

1	Wednesday, 19th September 2007	
2	INDEX	PAGE
3	PROFESSOR HOWARD THOMAS .....	1
4	MRS CAROL GRAYSON .....	32
5	MR GERALD HILARY and MRS JOAN HILARY .....	87
6	PROFESSOR GEOFFREY SAVIDGE .....	103
7	PROFESSOR RICHARD TEDDER .....	148
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

1 Wednesday, 19th September 2007

2 (10.00 am)

3 THE CHAIRMAN: Good morning. One rather sad event that has  
4 happened since our last hearing is the death of  
5 GRO-A, who, among all the other causes to which  
6 she devoted her time, gave quite a lot of her time to  
7 the haemophilia community. We had hoped at one stage  
8 that she might come and give evidence to us, but I think  
9 by then her illness was taking over. But we do send our  
10 condolences to her family.

11 Professor Thomas, would you like to come to the  
12 microphone?

13 PROFESSOR HOWARD THOMAS

14 THE CHAIRMAN: Thank you for coming, Professor. I don't  
15 know how you prefer to proceed. Would you like to make  
16 your own presentation? We have seen your paper. If  
17 not, I am quite happy that we should ask you questions  
18 but it might be that you prefer to do it yourself.

19 A. I was asked to paint the picture of the natural history  
20 and what could be done for treatment, and that I tried  
21 to do in the paper, but I guess that is pretty given  
22 amongst the panel.

23 THE CHAIRMAN: It is unlikely to be controversial, I should  
24 think.

25 A. Exactly, so I think it is easier for me just to ask

1           questions.

2   THE CHAIRMAN: I think perhaps it should be said publicly,

3           so we have it as evidence, if that is all right with

4           you.

5   A. Should I make a synopsis of it?

6   THE CHAIRMAN: Yes.

7   MR MEHAN: Professor Thomas, could you introduce yourself as

8           well?

9   A. Okay, well, I am currently Professor of Medicine at

10          St Mary's, which is now part of Imperial College.

11          Before 1987 I was Professor of Medicine at the Royal

12          Free. I am a hepatologist, I work with a variety of

13          different types of liver disease, and for the last ten

14          years or so I have been Chair of the Advisory Group on

15          Hepatitis at the Department of Health. I think you have

16          noted those roles that I provide. We provide advice to

17          the Executive of the Department of Health on these

18          issues.

19   THE CHAIRMAN: Could you just tell us this, if we may

20          interrupt: how long has that group been in existence in

21          its present form? Are we talking about the last two or

22          three years or does it go back to the 80s?

23   A. I think it goes back at least 20 years. I have been

24          Chair of it for the last 10 years.

25   THE CHAIRMAN: We don't seem to have come across it in the

1       1970s.

2   A.  No, I was a member of it before I was the Chairman of it

3       for about five years before then.  I certainly know it

4       has been around since the end of the 1980s, 1990s.

5   DR JONES:  Could I just interrupt on that?  Who was chairman

6       before you?

7   A.  It was the Professor of Virology at St Thomas's.  He was

8       the immediate Chairman.

9   DR JONES:  I thought I connected him somehow.  I just wanted

10      to check.

11  THE CHAIRMAN:  Yes, please.

12  A.  As I have stated in the document, there are five

13      hepatitis viruses.  Two of them are transmitted

14      enterically, hepatitis A and E, and they really are not

15      of concern to us in this context because they are not

16      transmitted by blood.

17           Hepatitis B and C are the two that concern us.  They

18      are transmitted by blood.  We have diagnostic tests for

19      them.  Of those infected with hepatitis B in adulthood,

20      around 5 per cent will develop persistent infection and

21      it is that group that develop the problems which stem

22      from cirrhosis and the development of primary liver cell

23      cancer.

24           As far as hepatatis C is concerned -- transmitted by

25      blood obviously -- about a third will suffer an acute



1 episode and get better and there are no consequences of  
2 that, and then two thirds develop a persistent infection  
3 and about 20 per cent of those over a 20-year period  
4 will develop cirrhosis and 2 to 3 per cent of those with  
5 cirrhosis, but not those without cirrhosis, develop  
6 liver cell cancer each year. So the cumulative risk  
7 over 10 or 20 years is quite significant of development  
8 of the cancer.

9 THE CHAIRMAN: Yes. I gather that this type -- it was  
10 originally non-A non-B, wasn't it?

11 A. It was non-A, non-B and in 1982, 1985, that sort of  
12 period, there was a feeling that the natural history was  
13 different to what we know it to be now; in other words,  
14 we thought it was a fairly minor infection and --

15 THE CHAIRMAN: It takes some little time, I gather --

16 A. Exactly. It really takes 20 years before we start to  
17 get significant problems and in fact of the 20 per cent  
18 who have cirrhosis after 20 years, most of those are  
19 asymptomatic and it is over the following 20 years that  
20 they start to get -- progressively with problems, become  
21 seriously symptomatic.

22 THE CHAIRMAN: As opposed, for example, to hepatitis B, this  
23 was becoming recognised as a problem only probably in  
24 the late 70s, early 80s?

25 A. Yes, I think the transmission was known to occur, but,

1 in the absence of diagnostic tests, all we knew was that  
2 it was causing what was termed a post-transfusion  
3 hepatitis. Hepatitis obviously by definition infers  
4 inflammation of and damage to the liver, but there was  
5 a debate as to whether that was virus-related or whether  
6 it was relate to chemical contaminants of blood.

7 Also, there was a suggestion that there might be --  
8 we know that the patients were immuno-compromised and it  
9 was thought that the Factor 8 concentrates contained  
10 a lot of H and A proteins and that that caused  
11 immunosuppression, and there was a suggestion that that  
12 might allow reactivation of the virus what was there all  
13 the time.

14 The reason I emphasised that is because in 1989,  
15 when the virus was discovered by Mike Harrington(?) and  
16 colleagues at Chiron(?), they of course filed patents  
17 and there was a large challenge to that from people who  
18 said it was obvious -- they challenged it on the basis  
19 of obviousness, and I was involved with Hart Varmars(?)  
20 and a series of other people in the High Court review of  
21 that patent.

22 In fact, the fact that it was not obvious at the  
23 time, people were thinking: well, you know, it probably  
24 is a virus, and then, because of the difficulties in  
25 cloning it and what have you, people are going to pull

1 back from that. And then these other possibilities of  
2 it being a chemical or an immunological suppression and  
3 the reactivation of an endogenous virus, all those came  
4 to the fore, and I think the judge found -- it was  
5 Lord Jeffries, I think --

6 THE CHAIRMAN: This was for patent purposes?

7 A. It was in patent purposes, and there is a nice  
8 transcript of all that, which went on for three or four  
9 weeks, which might be useful to you.

10 THE CHAIRMAN: It may.

11 A. I think they concluded it, by granting the patent, that  
12 it was not obvious that there were enough concerns about  
13 what was happening, that it was not clear that it was  
14 a virus until it was actually cloned.

15 THE CHAIRMAN: I see, thank you.

16 A. I have lost my theme now.

17 THE CHAIRMAN: My fault, I interrupted you.

18 A. So, yes, we knew about post-transfusion hepatitis and we  
19 didn't know that it was caused by hepatatis C until  
20 probably 1990/1991 when, retrospectively, the  
21 post-transfusion hepatitis series of specimens were  
22 tested and most of them turned out to have antibodies to  
23 hepatatis C.

24 THE CHAIRMAN: It was possible to test for a form of  
25 hepatitis, earlier than that?

1 A. Yes, what we tested for was evidence of hepatitis -- and  
2 by that I mean an elevation in something that we call  
3 the transaminases. Transaminases are normally within  
4 liver cells, and, when the liver is damaged, they leak  
5 out, so the level of transaminases in the blood goes up.

6 For instance, there was an MRC working party in the  
7 mid-1970s that looked at post-transfusion hepatitis and  
8 then there were several independent studies. One was  
9 done in Newcastle by Collins and Oliver James, and they  
10 concluded that in the UK about 2.5 per cent of people  
11 undergoing transfusions -- and the average amount of  
12 blood, units of blood that each person received, was  
13 about seven and of those receiving that average amount  
14 of blood, 2.5 per cent went on to develop hepatitis,  
15 this transaminases elevation I was telling you about.

16 THE CHAIRMAN: And we are talking at that stage, not  
17 hepatitis B but hepatatis C, are we?

18 A. We had excluded hepatitis B by that stage. That had  
19 been discovered about two decades earlier. We could  
20 screen for that and we knew about hepatitis A. This was  
21 the frequency of non-A, non-B, of post-transfusion  
22 hepatitis in the UK and it turned out that about  
23 0.3 per cent of units of blood you could deduce caused  
24 that hepatitis, and, therefore, were infected.

25 That was about a quarter or a fifth of the frequency

1 at which post-transfusion hepatitis under the same  
2 criteria were seen in the United States.

3 THE CHAIRMAN: I yes.

4 A. That led to the suggestion that blood and blood products  
5 in the UK had a lower frequency of what we called  
6 non-A/non-B. That was almost 95 per cent found to be  
7 hepatatis C, once the diagnostic tests were available.  
8 So you can transfer those figures to the frequency of  
9 hepatitis C.

10 THE CHAIRMAN: It was not introduced from the United States  
11 in the first instance?

12 A. No, not as far as we know.

13 THE CHAIRMAN: One other thing, just before we -- I am sorry  
14 to keep interrupting.

15 A. That is fine.

16 THE CHAIRMAN: It will at least help to clarify in my mind:  
17 we have had evidence that some patients in the late  
18 1970s certainly and early 1980s, who were diagnosed as  
19 having post-transfusion hepatitis, were told, "It is  
20 probably not very serious". Was that the general view  
21 at that time?

22 A. Yes, there were -- that was based on the fact that  
23 outside of the haemophilia population and a few studies  
24 actually amongst the haemophilia patients with  
25 non-A/non-B, liver biopsies were done, and the liver

1 biopsies showed what we call lobular hepatitis, which  
2 just means that the inflammation was spread throughout  
3 all parts of the liver lobule. There was very little  
4 fibrosis. Fibrosis is scarring, and, as the damage  
5 continues, then that scarring ultimately adds up to  
6 something which we now know as cirrhosis.

7 So there was this lobular hepatitis but very little  
8 fibrosis, and it was a chronic lobular hepatitis, so the  
9 transaminases would go up and down. We were not sure  
10 whether that was related to reactivation of an  
11 endogenous virus due to this immuno-compromised that you  
12 saw when you transfused large amounts of plasma proteins  
13 into patients, or whether it was each time you were  
14 introducing a virus and you got reactivation or renewal  
15 of a virus coming in.

16 But in the literature, in the 1982/1985 period,  
17 there are several statements that this was thought to be  
18 a mild disease. If you just did the biopsy, it looked  
19 just like an acute hepatitis, which, as I mentioned,  
20 comes and then gets completely better, but the fact that  
21 it goes -- you get repeated episodes, of course  
22 ultimately does result in scarring and cirrhosis.

23 THE CHAIRMAN: Yes, thank you. I am sorry, please go on.

24 A. So on the natural history, as I say, a fifth will get  
25 cirrhosis and 2 and 3 per cent get hepatocellular

1 carcinoma.

2 As we followed patients for longer -- and this has  
3 been really in migrant populations where infections  
4 occurred at an earlier age than in the UK, so, for  
5 instance, in South Asia, we see infection in the first  
6 years of life, so when we see them in their 40s and 50s,  
7 they are many years into infection. In the Bangladeshi  
8 community, for instance, in East London, it is clear  
9 that 30 and 40 years out into the infection, you get  
10 progressive cirrhosis; in other words, it is not  
11 20 per cent and that is -- picked out a group that is  
12 going to get it, however long you study them, it goes  
13 on.

14 Similarly, amongst the cirrhotic group it is 2 to  
15 3 per cent who develop liver cell cancer every year, and  
16 that has gone to cumulative incidence of about  
17 20 per cent in the cohorts that have been studied.

18 THE CHAIRMAN: Then I suppose life expectation is fairly  
19 limited?

20 A. Yes of those with cirrhosis, about two thirds die of  
21 what we call decompensation. They develop liver failure  
22 and that group come forward for liver transplantation.  
23 About one third die of hepatocellular carcinoma and the  
24 treatment of choice for that, if we get it early -- and  
25 there are criteria for what constitutes early -- those

1 patients actually get a liver transplant. But  
2 afterwards, the transplanted liver gets reinfected on  
3 almost 100 per cent of occasions and that progresses  
4 more rapidly than it does, probably because of  
5 immunosuppression, than it did prior to the transplant,  
6 the first time around, if you like.

7 So a significant proportion of patients will have  
8 cirrhosis after five, six, seven years, whereas, as  
9 I mentioned, we don't usually see it until after  
10 20 years in the non-complicated situation. That is of  
11 relevance, of course, in haemophilia, because where --  
12 there you have got HIV infection as well, and I think in  
13 that group of course, with HCV and HIV, there is a more  
14 rapid progression analagous --

15 THE CHAIRMAN: Because the immunosuppression system is not  
16 working?

17 A. Exactly. As far as treatment is concerned, that has  
18 come on in leaps and bounds. The virus was found in  
19 1989, we had the diagnostic tests and also tests for  
20 documenting the amount of virus in an individual's  
21 blood, which meant that we could then start to screen  
22 compounds for activity in an empirical way. Interferon  
23 was the first that was used. That only cured about 10  
24 or 12 per cent and the first randomised controlled  
25 trials in the UK, we did at Royal Free, my group did



1       those, and similar studies were done in the US, and they  
2       were done in 1987 actually, before the virus had been  
3       discovered, and that, really, we thought, since  
4       interferon works against viruses, was confirmation that  
5       it was a virus.

6           But people relapsed almost immediately that we  
7       stopped treatment, and interferon was in limited supply,  
8       it was lymphoblastoid interferon. And then two or  
9       three years later -- 1989, something like that --  
10      interferon was cloned and then large amounts of  
11      genetically-engineered interferon became available.  
12      That could then be given for longer periods of  
13      treatment, but, again, we only saw 10 or 20 per cent  
14      response rates.

15           It is really only gone on to be an acceptable form  
16      of treatment, in so much as large numbers of patients  
17      respond since we have had what we call pegylated  
18      interferon, which is a long-life interferon. Instead of  
19      being given thrice-weekly, which is what we used to have  
20      to do, pegylated interferon can be given once a week.  
21      It just has a longer half-life. In all other respects,  
22      it is the same as the native interferon.

23           We added a drug called ribavirin to it, which stops  
24      relapse. With that current so-called gold standard  
25      treatment, which is the treatment recommended by NICE as

1 of 2000 or so, depending on the genotype of the virus --  
2 and you know there are several genotypes -- genotypes 1  
3 and 4, we cure, and it is a cure. It is not like HIV,  
4 where, when you stop the treatment, it comes back.

5 But genotypes 1 and 4, when we give this treatment  
6 for a year, then about 40 per cent of people are cured.  
7 With genotypes 2 and 3, when we give this treatment --  
8 and we only need six months in this context -- then we  
9 cure about 70/75/80 per cent.

10 THE CHAIRMAN: May I just ask what may be a obvious  
11 question: presumably this doesn't carry a risk of  
12 infection?

13 A. The interferon, you mean?

14 THE CHAIRMAN: Yes.

15 A. No, I mean, when interferons were first used -- it is  
16 the 50th anniversary of the discovery of interferon, so  
17 I have it quite clear in my mind because there was an  
18 anniversary meeting in Oxford just this last weekend.  
19 There was a guy called Kerry Cantel(?) in Finland who  
20 made interferon from the white blood cells obtained from  
21 blood donations. He stimulated those white blood cells  
22 with a virus and collected the interferon, and that of  
23 course then had to be sterilised, because he was adding  
24 a virus to stimulate the release of interferon, but that  
25 really was not used after about 1986 and that was

1       because lymphoblastoid interferon became favourable and  
2       that was made in a tissue culture with standardised  
3       conditions where there was not a concern about viruses  
4       carried through from the donors of white blood cells as  
5       there was with Kerry Cantel's material.

6   THE CHAIRMAN: I see. So until then, there was  
7       a possibility it might have been carried through?

8   A. There was a possibility, but, you know, you would have  
9       to be a really tough virus to get through what they did  
10      to it, because they spiked it have varies viruses and  
11      then showed that those viruses were killed in an  
12      experimental situation, and then looked to see if they  
13      could retrieve the virus in the tissue culture to make  
14      sure that the stringent conditions they were using then,  
15      which hopefully did not denature the interferon, destroy  
16      the interferon, but did destroy any viruses that would  
17      undoubtedly have been around.

18           That in the main, as far as I know, was a very safe  
19      preparation. But after 1986, and its widespread use,  
20      I don't think there has been any suggestion of carry  
21      over of viruses from either the cell line or the  
22      genetically-engineered material, which is of course  
23      totally free of those risks.

24           So I think that is where we are with current  
25      treatment really, and I think it is a good prospect

1       really. Overall, we cure about 55 per cent of all the  
2       genotypes that are out there.

3   THE CHAIRMAN: I am sorry, I interrupted you. Do you want  
4       to --

5   A. I think that is really is all I have to say on the  
6       natural history and the treatment. There is a lot of  
7       work going on to develop future treatment and perhaps  
8       I should make the point that, when people have  
9       cirrhosis, then the response to this gold standard  
10      treatment of pegylated interferon and ribavirin drops to  
11      about half of what you would otherwise see.

12         So, for genotype 1 and 4, it might go down to  
13      20 per cent instead of 40 per cent in a non-cirrhotic  
14      patient, so there is a premium in identifying and  
15      treating people before they have cirrhosis.

16   THE CHAIRMAN: I think that is really it.

17   DR JONES: I would like to thank Professor Thomas very much  
18       for his submission, which was most helpful.

19         Just one point of detail relating to the submission:  
20      in view of the -- I will quote from paragraph 118 of  
21      your submission:

22         "All cases suffer recurrence of infection in the  
23      transplanted organ and usually the disease progresses  
24      more rapidly to cirrhosis than in the non-transplant  
25      situation."

1           In view of that factor, and the shortage of donor  
2           organs, does that actually reduce the chances of  
3           a haemophiliac being -- or a -- someone with hepatatis C  
4           rather, sorry, cirrhosis, being offered a transplant?  
5    A.   Yes, it does, because in order to be objective about who  
6           gets transplants -- I can't give you the historical  
7           background but I can tell you where we are with that at  
8           the moment: one thing that the NHS prides itself on is  
9           having equity of access and in an area where we have got  
10          only 600 or 700 organs and we probably have 2,000 or  
11          3,000 people needing transplantation, we have come up --  
12          when I say "we", I mean the medical community around  
13          this -- have come up with some criteria which would be  
14          that you would have a less than 50 per cent chance of  
15          surviving a year, were it not -- were you not to have  
16          the transplant, and you should have a greater than  
17          50 per cent of surviving, I think, five years, if I have  
18          remembered the data correctly, but it is very  
19          prescriptive really.

20          Then there are algorithms developing for each  
21          disease, which tell you at each stage what the chances  
22          are of surviving a year. With hepatatis C, the real  
23          problem lies in the fact that, after transplantation,  
24          the survival rate is less than you would get with  
25          non-HCV related diseases. In fact it is one the worst

1 groups now in terms of survival after transplantation.

2 The auto-immune liver diseases, primary biliary  
3 cirrhosis and auto-immune chronic liver disease, I think  
4 they do best with transplantation. There may be  
5 90 per cent, five years' survival.

6 Hepatatis B, we can prevent the graft getting  
7 reinfected and they do pretty well now. Alcohol-related  
8 liver disease, in people who are abstinent, they have  
9 given up taking alcohol and we transplant them, they  
10 have a better survival and the worst of the lot is  
11 hepatatis C.

12 I think, as an optimist, that will change, because  
13 at the moment the reason we have done so well in  
14 stopping a recurrence of hepatitis B after  
15 transplantation is because we have drugs that don't  
16 involve interferon. Interferon amplifies rejection. So  
17 we don't like to use that after a transplant, whereas  
18 the nucleoside analogues, which just inhibit the nuclear  
19 replication of the virus, the ability of the virus to  
20 replicated, those drugs we have for hepatitis B and we  
21 use them after the transplant along with antibodies to  
22 stop the virus getting to the graft, and we can almost  
23 stop it in all patients.

24 I think in the next five years we will have  
25 non-interferon treatment for hepatatis C. There are

1       about half a dozen drugs that are coming through and we  
2       will give those then in the run-up to transplantation  
3       and afterwards, and I would guess then hepatatis C will  
4       come forward in terms of results to the level that we  
5       have achieved with hepatitis B.

6   THE CHAIRMAN:   Thank you very much.

7   DR JONES:    Could I ask you one or two questions about some  
8       of your other roles really?

9   A.   I should say -- when Professor Turnberg asked me to come  
10       along, I emphasised that I am coming along as an  
11       academic really, although obviously I do serve on these  
12       advisory committees. I have the same view, I think in  
13       both contexts, so I don't think you should be overly  
14       concerned about that, but I am representing myself, not  
15       any of these committees, is what I should say.

16   DR JONES:   At one time you were a member of the  
17       UK Advisory Panel for healthcare workers affected by  
18       blood-borne viruses. Could you tell us something about  
19       the working of that panel and what it does?

20   A.   The Advisory Group in Hepatitis is the group that  
21       I chair and their mandate is really to give advice to  
22       the executive, to the Department of Health on how to  
23       control infection, from the hepatitis viruses.

24       The advisory group for infected healthcare personnel  
25       really is a group really looking at individual cases.

1       So if somebody, for instance a surgeon, has transmitted  
2       hepatitis B or C to a patient, or HIV for that matter,  
3       then that would go to this advisory panel and they would  
4       look at what the individual was doing and could he or  
5       she continue, but taking out procedures that would  
6       transmit; in other words, could we make that individual  
7       safe.

8               So that was a more focused committee, looking at the  
9       issues around individuals, whereas the Advisory Group on  
10      Hepatitis, for instance -- we produced at the end of  
11      Banatvala's time as Chair and the beginning of mine --  
12      we produced recommendations for how we should deal with  
13      hepatitis B, and then, in my Chairmanship of the  
14      committee, we also made recommendations on how we should  
15      deal with hepatatis C being transmitted by surgeons and  
16      other people doing what we call exposure-prone  
17      procedures, which are procedures where your hands are  
18      inside the patient's wound, where in that context, if  
19      you pricked yourself, there would be a chance of  
20      infection.

21             So the AGH came out with those recommendations and  
22      then the Advisory Group for Healthcare Workers would  
23      have to implement those and see if they could get a good  
24      result that was safe for the patients, but also meant  
25      that the individual continued contributing as a surgeon



1           or an obstetrician or whatever, but in a safe mode.

2   DR JONES:  It was, though, essentially an advisory group?

3           It didn't have many teeth?  Or did it?

4   A.  Well ...

5   THE CHAIRMAN:  Was its advice usually taken?

6   A.  The Advisory Group on hepatitis --

7   DR JONES:  No, I meant the panel for --

8   A.  For blood-borne viruses?  The advice was delivered

9           through the Department of Health, but I think in the

10          main they did take the view of the committee.  It was

11          always made clear in these committees that they are

12          advisory committees, but the Executive, I think, also

13          takes the view that it is unwise not to take --

14  DR JONES:  No point in having an advisory committee unless

15          you listen?

16  A.  The only thing I would say is that the Executive, of

17          course, have to integrate issues other than the one that

18          they are giving the advice on, so, for instance, they

19          have an advisory group on HIV, as well as the one on

20          hepatitis that I chair, and of course one of their

21          functions, I think, is making sure we are doing

22          comparable things with regard to those viruses so that

23          there are not inconsistencies really.

24                I think where there have been issues, it is usually

25          because of integration into a larger framework, a larger

1 perspective.

2 DR JONES: Thank you very much. You are also a member of  
3 the National Expert Panel on new emerging infections.  
4 Could you tell us something about the work of that  
5 panel? For instance, are you chiefly concerned with  
6 Prion diseases or what?

7 A. That panel was set up really because of the risk from  
8 SARS and Avian flu, and in order to get a wide -- at  
9 least, I believe this is why it was set up: in order to  
10 get a wide perspective, they wanted the Chairs of all  
11 the advisory groups, so that -- for instance, there is  
12 an advisory group on antibiotic resistants, there is an  
13 advisory group on hepatitis, HIV, what have you, there  
14 is a veterinary group, and it was a bringing together of  
15 all this expertise to try to undertake horizon scanning,  
16 really to anticipate problems before we actually got hit  
17 by things like SARS or HIV or what have you.

18 That is a difficult task, but I think they have  
19 a very good system now for risk assessment, where you  
20 can look at, you know, with any pathogen, what its  
21 probability would be of causing an epidemic and what the  
22 consequences of that would be and what the chances would  
23 be of intervening in a timely way that saved people's  
24 lives. So that committee functions in that area.

25 DR JONES: That presumably advises, again, the Department?

1 A. It advises the Department, yes. I think it reports to  
2 the -- through the chief medical officer to the  
3 ministers.

4 DR JONES: I have one more question, but perhaps I have  
5 spoken enough.

6 THE CHAIRMAN: Please do, we are all right for time.

7 DR JONES: I just wonder, do you have any views on the  
8 present mechanisms for ensuring the safety of blood  
9 products? Do you think there are worrying deficiencies,  
10 or do you think on the whole it is pretty good now?

11 A. I think it is better than it has ever been really and  
12 I think what -- you can always make things better, but  
13 the bottom line really is how much it costs to do that.

14 I mean, for instance, if I give you the example of  
15 Prion disease, you know, there are who have been  
16 exposed, they have eaten beef and may have asymptomatic  
17 early stage Prion disease. Their leukocytes will  
18 contain the Prion in higher concentrations than serum,  
19 for instance, so blood is removed of white blood count  
20 cells now.

21 I can't recall precise figures, but I mean, to  
22 save -- prevent one case is hundreds of thousands, and  
23 just to give you an useful comparison, for instance,  
24 NICE argue that -- and this is an unofficial figure, so  
25 it can be moved either way -- that it is reasonable to

1 spend, as a community, up to £30,000 per quality  
2 adjusted life year gained, which is a measure of how  
3 much good it is doing. So again there is equity of  
4 access. So if you have coronary heart disease, or  
5 cancer, or hepatitis B or C -- and I have been involved  
6 with the NICE recommendations on B and C -- then you are  
7 not treating one group advantageously and the amount  
8 that is spent on preventing a death in a therapeutic  
9 sense compared to what is spent preventing transmission  
10 in a blood transfusion setting, it is chalk and cheese.

11 They are spending hundreds of thousands to prevent  
12 a case of Prion transmission and I think in terms of  
13 post-transfusion hepatitis B and C, you know, that is as  
14 rare as hen's teeth now, because we screen blood for  
15 hepatitis B and C. There are better and better  
16 screening tests. We can look for the DNA or the RNA of  
17 the virus rather than evidence of an antibody, but that  
18 will cost a lot more and it would perhaps --

19 DR JONES: It is not routinely done at the moment?

20 A. It is not routinely done, but that is a dialogue that is  
21 going on at the moment.

22 THE CHAIRMAN: Could I just ask two questions arising out of  
23 that? Clearly this network of advisory committees and  
24 panels was not available in the early 1970s, for  
25 example, was it? When did it begin to evolve? Can you

1       help us with a timeline?

2   A.   I really can't actually, because I only know when I came  
3       into it --

4   THE CHAIRMAN:   When was that?

5   A.   I think I was on the Advisory Group for hepatitis for  
6       about three or four years before I became the Chairman,  
7       which was in 1999.   So I was probably involved from  
8       about 1993, 1994, something like that.   But  
9       Professor Banatvala, the Professor of Biology now, who  
10      has retired, was at St Thomas's.   He could give you  
11      a picture of how long his tenure went back -- I tell you  
12      an easy way to get it, we can get it from the website,  
13      because all of these committees have a website and it  
14      will say, I guess, the history of it, I would think.

15   THE CHAIRMAN:   That would be enormously helpful.   The other  
16      thing that crossed my mind: I can't remember when NICE  
17      came into existence.

18   A.   I can't remember either.   I think it must be about  
19      10 years ago, something like that.   Something of that  
20      order.

21   THE CHAIRMAN:   Prior to that, was there any committee which  
22      was required to take account of the cost of what it was  
23      recommending?   Or was that the idea of NICE?   It did, as  
24      you suggested; that it shared out the available pool of  
25      resources.

1 A. I think that of the whole idea of it. We wanted to have  
2 equity of access really across all the diseases, and  
3 I think to a large extent NICE has achieved that. You  
4 can look at -- look on it as a form of rationing, but  
5 I would ask -- you know, you need to come up with  
6 a better suggestion really, and I can't think of  
7 a better way of doing it than we have at the moment.

8 You could make it quicker by the way. I think after  
9 a drug is licensed, it sometimes take a year and a half  
10 for all the process to go through. But it is a very  
11 fair process, so, for instance, with the interferons,  
12 pegylated interferon is not better than thrice-weekly  
13 native interferon, but the evidence that came to NICE  
14 from the patient groups was that they preferred getting  
15 an injection once a week rather than three times a week,  
16 and NICE said, "Well, even though it costs another  
17 £5,000 to treat that patient, it is important that we do  
18 that."

19 So it is a very even-handed way of doing it, but it  
20 is pretty slow, and the Scots have a sort of quick and  
21 dirty system which I think often comes to the same  
22 conclusions.

23 DR JONES: Do you happen to know if Michael Rawlings was the  
24 first chairman?

25 A. I am pretty sure he was.

1 DR JONES: I rather think he was.

2 THE CHAIRMAN: We will be having, later today, I hope, some  
3 evidence on procurement of all this, but can you say,  
4 from when you entered, whether cost was ever a reason  
5 for not introducing something which clearly had  
6 a beneficial effect? The answer to that with NICE must  
7 be: yes, cost enters into this. But all the evidence we  
8 have had of the earlier committees dealing with this  
9 was, "We were not required to take account of cost. We  
10 just made the recommendations."

11 A. Yes, I think that is right. Advisory groups do deliver  
12 the advice but, I mean -- and there is a risk/benefit  
13 analysis that we are always invited to undertake, and  
14 the cost-effectiveness. This is in the Advisory Group  
15 on Hepatitis, so, you know, for instance, if we were to  
16 suggest that we screen all ante-natal mothers for  
17 hepatitis C, we would have to show that that is  
18 cost-effective, and that also there would follow from  
19 the identification of the case -- of hepatitis C, that  
20 we could we could do something about it, not only in the  
21 mother but also in preventing the child being infected.

22 We are engaging with a screening committee at the  
23 moment -- I think chaired by Sir Muir Grey -- to look at  
24 whether hepatitis C can be argued to be worthwhile to  
25 screen in the ante-natal setting. There is

1 a cost-effectiveness component, but I get the feeling  
2 that that has come in over the last decade more in  
3 a formal sense.

4 THE CHAIRMAN: That is rather the impression I was getting.

5 A. That is the impression that I have really, but until you  
6 shuffle up the system in academe and in these  
7 committees, you don't see this element of it. But  
8 I think that must have been an issue then.

9 The other thing is, I think, you know, the amount of  
10 Factor 8s that we had available to us, I think, in the  
11 early 1980s. I think, you know, if you look at the  
12 haemophilia directors, minutes of their meetings,  
13 I think in 1982 or something they argued that they had  
14 about a third of their Factor 8 concentrates from UK  
15 donor-derived material and two thirds from commercial,  
16 and there must have been a debate around that time that  
17 I have not been privy to.

18 THE CHAIRMAN: I think again we will be hearing a little  
19 about that later on today. Thank you. Judith?

20 JUDITH WILLETTTS: Given the number of haemophilia patients  
21 who have been infected with both HIV and HCV, which you  
22 touched on briefly earlier on, clearly this is a major  
23 problem for a significant number of people within that  
24 community, can you say a little more about the  
25 complexities of the treatment and really perhaps what



1 the treatment options are for those individuals, and to  
2 what extent they are therefore limited and whether they  
3 are, therefore, a rather unpleasant position?

4 A. If I speak first of all about the non-haemophilia  
5 patient group, because the haemophilia patients have  
6 their care delivered through the haemophilia centres,  
7 and, as a hepatologist, I might get asked to see  
8 individual cases from time to time, but usually they  
9 deal with their complications of their patients. It is  
10 a comprehensive service, but outside the haemophilia  
11 population I think the prognosis has changed markedly.  
12 When you had hepatitis C and HIV and we had no treatment  
13 for HIV, then, as in the post-transplant setting, the  
14 progression of the disease was markedly accelerated.

15 However, if you -- my HIV colleagues at St Mary's  
16 tell me that now, with highly active retroviral therapy,  
17 the standard treatment for HIV, they can restore the  
18 immune system to virtually a normality and stop the  
19 decay that you would expect without treatment, and,  
20 under those circumstances, hepatitis C doesn't progress,  
21 which I think probably makes sense -- it does not  
22 progress more rapidly than it would in a non-HIV  
23 infected individual.

24 So I think there has been progress made there,  
25 but -- and there is a "but" coming in now -- liver

1 disease in HCV and HIV-infected individuals has become  
2 a problem now because of the side effects of the AIDS  
3 drugs; they cause fatty liver and all sorts of problems.  
4 So whilst we have probably solved the rapid progression  
5 of the hepatitis C by treating the immuno-compromise  
6 caused by HIV, the drugs themselves are causing problems  
7 and there are significant numbers of patients who are  
8 getting into problems with those issues.

9       If you then transpose it into haemophilia, the  
10 interferon treatment is given by injection and,  
11 initially, when I was at the Royal Free, and  
12 Peter Kernov used to invite me to see occasional  
13 patients, we were just using interferon there and we  
14 were looking at response rates of about 10 or  
15 12 per cent and we were giving the intravenous  
16 injections along with the cryoprecipitate or the  
17 Factor 8 concentrates to treat those who already had  
18 non-A, non-B or hepatitis C by intravenous infusion, but  
19 then it became apparent that you could give it  
20 subcutaneously, usually at the appropriate time after  
21 the Factor 8 concentrates injections, and I think that  
22 has presumably moved on once the pegylated interferons  
23 became available. I say "presumably" because at the  
24 Royal Free, where I was at that time, up to 1987, had  
25 a haemophilia unit and a liver unit. St Mary's has

1 a liver unit, but not a haemophilia unit, so I don't  
2 take care of those patients since the introduction of  
3 pegylated interferon, but I imagine that is quite an  
4 advantage for them because it is one injection a week  
5 rather than three times a week, and that patient group  
6 then should be adequately managed with the same  
7 treatment as we use in the non-haemophilia group.

8 JUDITH WILLETTTS: Thank you.

9 A. And you would have to treat the HIV as well, where that  
10 existed.

11 JUDITH WILLETTTS: Perhaps we could find out a little bit  
12 more about that.

13 A. I think the haemophilia community could tell you really,  
14 but, as I say, I have not been involved since the better  
15 treatments became available.

16 JUDITH WILLETTTS: Thank you.

17 MR MEHAN: Could I just ask: having hepatatis C, does that  
18 increase your risk of suffering from a haemorrhage?

19 A. Are you thinking about GRO-A?

20 MR MEHAN: Indeed.

21 A. I have been watching that through the newspapers, so  
22 this is very soft data, but I think by the sounds of her  
23 symptoms I think she had a subarachnoid haemorrhage,  
24 which is usually a Berry aneurysm, it is a little  
25 outpouching of the blood vessels at the base of the

1 skull, which is usually there for decades before it  
2 actually bursts.

3 I think the interface with hepatatis C-induced liver  
4 disease would be that, whilst hopefully in you and I, if  
5 that happened, our clotting system might kick in and  
6 then you would get to hospital and the neurosurgeon  
7 would put a little coil in it and stop it bleeding, if  
8 you have clotting abnormalities due to cirrhosis -- and  
9 of course, that would be more of a problem in  
10 a haemophiliac with cirrhosis -- then you are going to  
11 bleed much more severely and there is less time then for  
12 the neurosurgeon to get in there and stop it.

13 So that is a lot of piecing together bits of  
14 information, but I think that would have had an impact.

15 JUDITH WILLETTTS: Did she have cirrhosis? Did GRO-A  
16 have cirrhosis? She had cirrhosis, didn't she?

17 A. I don't know how much of that is privileged information.

18 THE CHAIRMAN: I don't know whether that was in the public  
19 domain.

20 JUDITH WILLETTTS: I think it has been reported.

21 THE CHAIRMAN: I think it probably was in the press?

22 A. I don't think, were she around, she would mind one  
23 talking about it, because she espoused the area and was  
24 really trying to take it forward.

25 I think one of the things she tried to do was that

1 she tried to destigmatise hepatatis C. As you probably  
2 know, 90/95 per cent of people who get hepatatis C have  
3 acquired it through intravenous drug use -- and before  
4 you think that they are all down and outs, a good half  
5 of them are, dare I say, people like us who have dabbled  
6 in it at university. I am not speaking for myself now  
7 before anyone draws a conclusion, but there are a lot of  
8 people who have got it in that way.

9 But of course, there is a stigma attached to it and  
10 people won't comment, and that is one of the problems  
11 that those who have got it through blood and blood  
12 transfusions have. What she tried to do really was  
13 destigmatise that and she said that she was about to be  
14 seen in Cambridge for a liver transplant, which would  
15 mean that she would have cirrhosis.

16 THE CHAIRMAN: Thank you very much, Professor Thomas. That  
17 has been very helpful. May we come back to you from  
18 time to time as we follow up these things?

19 A. Do you mean by telephone or something?

20 THE CHAIRMAN: Yes, or whatever. Thank you.

21 MRS CAROL GRAYSON

22 THE CHAIRMAN: Thank you for coming back. The reason we  
23 suggested that you might want to come back and give  
24 further evidence was that you have sat through virtually  
25 the whole of the evidence we have heard, I think.

1 A. Yes.

2 THE CHAIRMAN: Presumably you have heard things which you  
3 would want to comment on, at least, or perhaps to  
4 question, so we want to give you that opportunity.  
5 Thank you for the second statement. Would you like to  
6 give us your own presentation?

7 A. I would. If I could read through, that would be quite  
8 helpful.

9 THE CHAIRMAN: Yes.

10 A. Thank you. My name IS Carol Grayson. I am  
11 the 47-year-old widow of Peter Longstaff, who is  
12 a haemophiliac. Both my husband and brother-in-law were  
13 haemophiliacs that died of HIV/HCV as a result of  
14 receiving contaminated factor concentrates. Peter died  
15 in 2005 and **GRO-A** in 1986. First of all, I just want  
16 to say thank you to the enquiry for allowing me to have  
17 a second submission and to Vijay for passing on evidence  
18 for me. If you have any questions, please just ask me  
19 as I read through it.

20 I have campaigned for many years and I formally set  
21 up my own campaign group, Haemophilia Action UK in 1994,  
22 running a "bad blood" campaign with the  
23 Newcastle Journal. The website for that is  
24 [www.the-journal.co.uk](http://www.the-journal.co.uk), and if you search under my name,  
25 Carol Grayson. I also wrote an MA Dissertation entitled

1 "Blood Runs Not Just Through Our Veins But Through Our  
2 Minds: How Has The Global Politics Of Blood Impacted On  
3 The UK Haemophilia Community?"

4 This provided a critique of the Government  
5 Self-Sufficiency Report, which came out in 2006, and  
6 I used documents that the Government claim to have  
7 "inadvertently destroyed". I fought to have these  
8 documents released by the Government under the Freedom  
9 Of Information Act with help from Newcastle solicitors.  
10 My dissertation also  
11 investigated the impact of HIV/HCV infection  
12 on haemophiliacs and their families, exploring their  
13 attitudes to the national organisations and institutions  
14 that were set up to support them, and the National  
15 Haemophilia Society are kindly supporting the  
16 publication of the dissertation. It will go to the  
17 trustees shortly for a formal decision, and hopefully it  
18 should then be available to anyone who requests a copy.

19 I have basically divided my presentation into  
20 sections. The first one I have entitled "Undisputable  
21 Facts/Experimentation On Prisoners and Prisoners As  
22 Plasma Donors." This second submission has given me the  
23 opportunity to flag up certain issues, to tighten up my  
24 evidence and to challenge some statements brought to the  
25 Inquiry by previous witnesses.

1           The Inquiry is still considering the issue of UK  
2           self-sufficiency in blood products which was never  
3           achieved by the UK Government and why self-sufficiency  
4           was so important. I would like to start by reiterating  
5           the fact that my dissertation demonstrates, using  
6           evidence from many different sources which are all  
7           referenced, that it is an indisputable fact that  
8           imported factor concentrates were known to be  
9           manufactured from dangerous "high-risk" sources and  
10          transmitting hepatitis prior to the licensing of the  
11          first imported US products in 1973.

12          So I would ask once again: why was such a dangerous  
13          and unethical treatment, such as pooled factor  
14          concentrates, licensed not just for import, but licensed  
15          in any event prior to the manufacturers investing in  
16          finding a method of eliminating hepatitis viruses,  
17          which, I have to say, when HIV came along, they actually  
18          did fairly quickly. So --

19   THE CHAIRMAN: May I interrupt? You have probably grasped  
20          by now that one of the issues we will have to address is  
21          that, although it was known that the US products carried  
22          a risk of infection, products produced in this country  
23          were not sufficient to treat everybody. So the question  
24          was: do we refuse the treatment, or do we take the risk  
25          of the United States products?



1 A. Just to comment on that, that was because the Government  
2 failed to invest and -- there is a World in Action  
3 documentary, 1975, and William Maycock, who, at that  
4 time, was head of the Blood Transfusion Service, was  
5 actually quoted on that 75 programme saying that, had  
6 they invested in 1970, then the situation would have  
7 been very different. So basically, that was failure on  
8 behalf of the government, you know, from the evidence  
9 I have seen.

10 THE CHAIRMAN: Although, again -- may I put the opposite  
11 case to you so that you could comment on it?

12 What I think would be suggested is that the  
13 importance of self-sufficiency was not really grasped  
14 until at least the early 1970s. It was only when it  
15 became known that there were dangers of plasma which had  
16 been widely gathered that it became important to talk  
17 about self-sufficiency.

18 A. I would disagree, because that goes back to the 60s,  
19 from the evidence, and I have got quite a lot of  
20 research documents to show that pooled plasma was known  
21 to be dangerous in the 1960s, and if you look at  
22 America, they introduced factor concentrates before we  
23 did, so there was the experience from America.

24 If you have a look back to my dissertation, you will  
25 see there is some quite early references to that, and

1       that was why David Owen realised the importance of being  
2       self-sufficient. If you want, I can point you to those  
3       researches at a later stage.

4   THE CHAIRMAN: Yes, thank you. We have had them from you at  
5       an earlier stage, but we may have to come back on that.

6   A. What more do we know about the prison environment in  
7       which plasma was collected? I wish to elaborate on  
8       a specific issue briefly mentioned by Kelly Duda in his  
9       documentary, "Factor 8: The Arkansas Prison Plasma  
10      Scandal."

11         I wish to highlight that it is an indisputable fact  
12       that from the 1960s through to the 1970s US prisoners  
13       were used as guinea-pigs in a variety of unethical  
14       experiments which led to severe illness, death and  
15       a number of unmarked graves of inmates that did not  
16       survive this experimentation. I would like to draw  
17       particular attention to the link between the unethical  
18       experimentation on prisoners and the fact that prisoners  
19       also became plasma donors. Prison plasma was collected  
20       through a plasmapheresis programme, manufactured into  
21       factor concentrates, imported and injected directly into  
22       the veins of haemophiliacs in the UK.

23         I would like to draw the panel's attention to  
24       a British Medical Journal article by Allen M Hornblum  
25       called, "They Were Cheap and Available: Prisoners As

1 Research Subject in 20th Century America", which I have  
2 a copy of for you. It is an excellent article, but one  
3 key point is missing: there is no mention of the health  
4 issues of recipients of prisoners' plasma. The article  
5 informs us that, "Prisoners tested everything from  
6 tropical diseases and respiratory infections to  
7 infectious hepatitis", and then I have referenced the  
8 article.

9 It is an indisputable fact that what you had here  
10 was a captive group on which to experiment and a  
11 population of prisoners that were deliberately exposed  
12 to infectious hepatitis, amongst other things. From  
13 Kelly Duda's documentary we are made aware that it is an  
14 indisputable fact that prisoners admitted to having  
15 unprotected sex with other prisoners, shared needles to  
16 inject drugs, sold their blood and sometimes were moved  
17 between prisons, creating a reservoir of hepatitis  
18 infection throughout the penal system. This infection  
19 could be there as long as the prisoners were there and  
20 it is an indisputable fact that prisoners could still  
21 transfer hepatitis viruses to others years later, long  
22 after the viral experiments were stopped on ethical  
23 grounds.

24 It is also an indisputable fact that the  
25 UK Government and its licensing authorities sanctioned

1 treatment that came from unethical and highly dangerous  
2 sources. This was madness and went against all our own  
3 UK safety rules. I would like to submit two quotes  
4 regarding the experimentation, and this is related to  
5 the controversial career of Dr Austin Stough -- this is  
6 documented and quoted -- who worked on prison plasma  
7 programmes. Stough ran a business that 'claimed to have  
8 grossed close to \$1 million a year. Stough -- and the  
9 pharmaceutical companies he worked for -- profited  
10 handsomely, while the inmates he used were made ill, and  
11 some even died, in an extended series of drug tests and  
12 blood plasma projects in Oklahoma, Arkansas and Alabama.

13 I have managed to trace some of my husband's  
14 treatment batch numbers, with the help of Kelly Duda,  
15 back to Arkansas State Penitentiary.

16 If I give you the second quote:

17 "Stough's high volume plasmapheresis programme  
18 attracted great commercial interest, but his poorly  
19 trained staff and shoddy operations resulted in inmate  
20 volunteers receiving the wrong blood type and as many as  
21 30 inmates a month contracting viral hepatitis."

22 It is no surprise here that Dr Garrot Allen --

23 THE CHAIRMAN: Could you give us the references to those two  
24 quotes?

25 A. I have the article with me, so I will give everything to

1       Vijay. It is from the BMJ article.

2   THE CHAIRMAN: All right.

3   A. So it is no surprise here that Dr Garrott Allen -- and

4       I have to say Dr Garrott Allen was ahead of his time.

5       He had studied hepatitis since the 1950s and he was

6       aware of the risks associated with prison plasma and he

7       actually wrote to Sir William Maycock, who was, at that

8       time, in 1975, head of our Blood Transfusion service,

9       and warned the UK against importing factor

10      concentrates -- that's in 75 -- and informed the UK of

11      the "extraordinarily hazardous" non-A/non-B hepatitis

12      risk with a risk level between 50 and 90 per cent

13      infection rate from some products manufactured from

14      prison blood with half of the cases proving fatal.

15            I have the letter in the back of my dissertation.

16      He also noted that non-A/non-B hepatitis was a much more

17      virulent strain of hepatitis more commonly found in

18      prisoners.

19            Just to reinforce Garrot Allen's concerns about the

20      very concept of factor concentrates as an ethical

21      treatment, he was quoted as saying that drug companies

22      had known all along that "no medical, economic or social

23      reason could justify ever using pooled plasma and its

24      concentrates. Large pools are highly profitable but

25      medically bankrupt."

1           I would request that the panel -- if they would like  
2           to check back at some point to my first Inquiry  
3           submission, particularly the part "Safety Warnings to  
4           the UK".

5           I draw attention to the following quote from  
6           Dr Charles Rizza haematologist, reflecting on past  
7           knowledge of non-A, non-B hepatitis, and the quote from  
8           Rizza is:

9           "We recognised in the mid-70s and early 80s that all  
10          the concentrates were infected with non-A, non-B  
11          hepatitis. So why were patients not told this as part  
12          of the duty of care to inform patients of risk in order  
13          to make an informed choice regarding treatment?"

14          There is something else I would like to point out  
15          and that is when haematologist Dr Mark Winter gave his  
16          evidence here on behalf of the UKHCDO, he talked about  
17          non-A, non-B hepatitis being discovered in 1975. I have  
18          brought an article for you today, which is from "The  
19          Times", November 12th, 1974, and it is talking about the  
20          virus being discovered, so it is earlier than Dr Winter  
21          said. It says that:

22          "In the United States, up to 90 per cent of  
23          transfusion-associated illness is caused by this third  
24          non-A, non-B agent."

25          I would like to point out that in the US authorities

1 right up to the -- the director of the Centre for  
2 Disease Control were informed just how dangerous prison  
3 plasma was, as the July 1974 letter in my dissertation  
4 shows. I point out that this was never meant for  
5 publication, but it needs to be seen in the UK.

6 I would just like to give you this quote from this  
7 letter:

8 "Over a two-week period in February to March 1974,  
9 eleven clinical and six subclinical hepatitis cases were  
10 detected among inmates of the Kansas State Penitentiary.  
11 The majority were HBCAG-positive. Investigation  
12 revealed that 18 of these 19 cases were in plasma donors  
13 at the plasmapheresis centre; risk of hepatitis could  
14 not be definitely associated with the plasmapheresis  
15 programme."

16 What they were actually looking at, they were  
17 looking to see if things like reusing the equipment had  
18 caused the infection, but they would ruled that out,  
19 since:

20 "Intravenous drug abuse, including the sharing of  
21 needles was commonly practised by plasma donors."

22 Just something I picked up this morning when I was  
23 listening to Professor Thomas, and that is just to state  
24 that with haemophiliacs they would have been reinfected  
25 time and time again. I think that is perhaps what is

1 different with other patient groups and there has  
2 actually been some studies done on reinfection rates  
3 which I have somewhere in my documents.

4 I can't emphasise too strongly that this was the  
5 type of dangerous treatment licensed for import by UK  
6 authorities. The new wonder products that  
7 haematologists encouraged their patients, adult and  
8 children alike, to inject without informing them or the  
9 parents of the risks associated with these products.

10 THE CHAIRMAN: We have been told of course that patients  
11 found the new products preferable in many ways to the  
12 old ones because they could stay at home and didn't need  
13 to go to hospital and so on.

14 A. The advantages were that, with cryoprecipitate, you had  
15 to go to hospital, so obviously it took longer. And of  
16 course, if somebody is told, "We have this new wonder  
17 treatment and you can have it in your fridge at home and  
18 it takes less time", then people are going to want that  
19 treatment.

20 But of course, what they were not told was about the  
21 sourcing, where it was coming from and about the type of  
22 donors that were used.

23 THE CHAIRMAN: Your complaint is that individual doctors  
24 were not passing on to their patients the information  
25 which they had learned from the sources you have just



1       quoted?

2   A.  Yes, because they were writing about it in their medical  
3       journals, but they were not passing on the information  
4       to the patients.  So it could not be informed choice,  
5       because, informed choice, you have to know about the  
6       risks.  Not small risks, but if you have high risk,  
7       which is medium to high risk, 50 to 90 per cent risk,  
8       then you have to inform your patients.  And as  
9       Garrot Allen pointed out, the infection rate of some of  
10      these products was almost 90 per cent.

11  JUDITH WILLETTS:  Is one the problems that it was not widely  
12      held back then that non-A non-B was particularly  
13      dangerous?  Is that one of the issues --

14  A.  I think it is one the issues, but I would have to say  
15      people like Garrot Allen were totally on the ball.  So  
16      I think, because the majority hadn't picked it up --  
17      there are always people that have the insight or do the  
18      studies that pick these things up.  He had researched  
19      hepatitis from the 1950s in America, so he was in  
20      a perfect position to pick this up, and unfortunately  
21      people were so arrogant, I think, half the time that  
22      they were not prepared to listen, and obviously from the  
23      studies -- you know, we know from going back to the  
24      60s -- the hepatitis rates were higher in America.  So  
25      authorities here should have been listening to people

1       like Garrot Allen.

2   JUDITH WILLETTS: But wasn't he quite a -- not exactly

3       a lone voice, but the -- kind of the perception of the

4       danger of non-A/non-B, what seems -- from other evidence

5       that we have heard was very different then, that it was

6       not widely held to be a dangerous disease. Clearly, we

7       know now that it is an incredibly dangerous disease but,

8       although they may have been aware of the high risk of

9       infection, it may possibly have been discounted or not

10      deemed important enough to pass on to patients, if it

11      were deemed that it were not a very dangerous disease.

12           I think there has been quite a lot of evidence

13      that -- most of the evidence at the time is scientific

14      and medical evidence -- was not actually pushing and

15      demonstrating that this was such a dangerous disease,

16      which may have been -- with this terrible ability to

17      look back, the benefit of hindsight, we know very

18      differently now, but at the time I don't think it was

19      widely considered to be such a danger.

20   A. I would agree, in the sense that, obviously, as people

21      were studying non-A/non-B, then they were starting to

22      learn about the dangers and there were some early

23      haemophilia studies in, I think it was, 1977 and -- '75

24      and '78, that were done by Crasse, so they were starting

25      to be more aware. Certainly by '79 -- I mean

1 Diana Walford in the government was calling it a very  
2 dangerous disease by '79 in the government documents.

3 But what I would say -- yes, I agree with some of  
4 what you are saying, but what I would say was that  
5 before, you know -- obviously, before we had  
6 non-A/non-B, they should have been looking at  
7 hepatitis B, because, obviously, before there was  
8 a vaccine for hepatitis B, then these considerations  
9 should have been looked at with regard to plasma for  
10 hepatitis B infection, because, of course, what was  
11 happening was there was a higher risk of hepatitis B, of  
12 course, in the prisons and in America. So, had we taken  
13 better precautions for hepatitis B -- this has been one  
14 of the arguments over the years -- then we would not  
15 have used American plasma anyway, for that reason.

16 Doctors and scientists continually talk about the  
17 lower life expectancy of haemophiliacs in the past.  
18 Haemophiliacs did have a lower life expectancy before  
19 the introduction of cryoprecipitate -- that was  
20 significantly lower before then -- but it is important  
21 to remember that patients survived on cryoprecipitate  
22 for years before the concentrates were introduced. Some  
23 severe haemophiliacs were already well into their 30s  
24 before they ever used factor concentrates. My  
25 dissertation expresses the views of many haemophiliacs,

1       that their view, as they have since learned of the risks  
2       from treatment, is that the risks from factor  
3       concentrates far outweighed the benefits.

4           As I say, they could not make a decision at that  
5       time because they were not given information on the  
6       risks.

7   THE CHAIRMAN: In fairness, this is hindsight of course.

8   A. Yes, that is, but, as I say, there could have been a lot  
9       more information at that time. For example, hepatitis B  
10      was treated as if it was a mild dose of the flu, and it  
11      was not. I have done some work in prisons. If you go  
12      into prisons now, you see notices all over warning of  
13      the dangers of hepatitis B.

14   DR JONES: Could I just make one comment which is relevant  
15      to the point that you first made: I think going back to  
16      those times, when anyone talks about the incidence of  
17      hepatitis in a transfused population of any sort, that  
18      would have covered, in many ways, a multitude of sins  
19      because it would have covered people who were ill and  
20      a very sizeable number who were perfectly well but had  
21      abnormal liver function tests, and it was even in those  
22      days not uncommon to hear people refer to, almost  
23      laughingly, transaminitis. Do you remember that? Just  
24      relevant to what Judith was saying.

25   A. That is fine. I was working with people from about 1981

1 with hepatitis, so I remember -- obviously not as far  
2 back to the 70s, but -- thanks.

3 I would like to comment here that presumably the US  
4 plasma companies must surely have taken these risks into  
5 consideration when choosing prisons as a source of  
6 plasma. So I have asked the US lawyers -- and I spoke  
7 to one two evenings ago -- to try to obtain from the  
8 plasma companies their documentation on risk assessment  
9 regarding plasma collection in prisons.

10 For example, what documents do they hold on the  
11 deliberate infection of prisoners with infectious  
12 hepatitis, such as in Arkansas, and the deliberate  
13 exposure of prisoners to respiratory infections and  
14 tropical diseases? What information do they hold on  
15 prisoners who were sick or those who didn't survive the  
16 Auschwitz-like experiments, the ones who died and are  
17 buried in unmarked graves? What was the US plasma  
18 company's risk assessment regarding the dangers of  
19 collecting in prisons, given that, once prisoners were  
20 infected, these viruses could be there for decades and  
21 potentially in the plasma pool for years to come?

22 Could these American companies provide our lawyers  
23 with their risk assessment and can the UK Government  
24 explain why they considered such plasma sources to be  
25 safe, with regard to importing factor concentrates for

1 UK haemophiliacs?

2 THE CHAIRMAN: Again, in fairness, it doesn't follow that

3 the committee who dealt with licensing, for example,

4 thought that they were safe; they thought that the risk

5 had to be measured against the risk of not treating

6 haemophilia.

7 A. Yes, but, I mean, to use sources that they were

8 deliberately infecting with hepatitis?

9 THE CHAIRMAN: I follow what you are saying, but in fairness

10 what we were dealing with is balancing risks. Of

11 course, we may well think at this stage that they got

12 the balance wrong, but they didn't think, as you say

13 here, that they were safe.

14 A. Not 100 per cent safe, obviously, but, yes, there is

15 always a risk assessment. So I basically said, "Perhaps

16 the Inquiry could take this issue to the Department of

17 Health?" and I have asked my MP, Jim Cousins, to raise

18 Parliamentary questions on this issue and also to remind

19 Yvette Cooper that, when she was working in the

20 Department of Health and met with a group of

21 haemophiliacs and MPs, she promised that if we could

22 approve that UK haemophiliacs had received US prison

23 plasma that the UK Government would investigate this

24 matter, and that is minuted.

25 We have proven this, but are now waiting for the

1 Department to act as promised. I would ask the panel to  
2 check out the US Department of Correction's document  
3 1984, which I gave to Vijay in the past, which looks at  
4 both AIDS and hepatitis risk in prisons and the fact  
5 that there was a high risk in prisons -- and they  
6 actually say in their document that this would be an  
7 issue for haemophiliacs. Well, it would have been  
8 a huge issue for haemophiliacs in the UK, had they known  
9 the facts.

10 Then the names of the plasma companies contributing  
11 to this document and involved in using prison plasma are  
12 contained in that document.

13 I want to talk about paid donors now and current  
14 issues. I would like to come right up to date on the  
15 issue of paid plasma donors following on from what we  
16 have known for years about the dangers associated with  
17 paying donors in prisons, on Skid Row, et cetera, for  
18 their blood.

19 We currently import white cell plasma products from  
20 the US. There are some blood products where there is  
21 not a synthetic alternative, so some patients in the UK  
22 must still rely on human plasma. I want to draw  
23 attention to some current collection practices used by  
24 companies which supply the UK, and that is the use of  
25 paid plasma donors on the US Mexican border where

1       impoverished people cross over from Mexico to the US in  
2       order to sell their blood. Obviously, there are  
3       different safety levels, we know, in Mexico to the US.

4           There has long been a safety issue here regarding  
5       remunerated donors, and safety concerns and violations  
6       along this border were discussed in a documentary --  
7       again, which I submitted to Vijay.

8           I have a further article here on this subject,  
9       a recent one, "Crossing the Border to Sell Blood", which  
10      is just a few months old, and there is a reference to  
11      it.

12   THE CHAIRMAN: We have the reference here.

13   A. I have a copy of it for you.

14           I cannot express enough the double standards in the  
15      UK by authorities that promote the safety standards of  
16      this country, such as the use of volunteer, unpaid  
17      donors and glossy publications and advertisements, yet  
18      turn a blind eye to importing plasma products from the  
19      US and companies that use paid donors. One of the  
20      companies named in this article supplied -- and  
21      I believe is still supplying -- UK hospitals.  
22      Certainly, my husband stopped taking treatment from this  
23      company around 2000 to raise objection to the use of  
24      paid donors. How can we go along with a practice that  
25      the World Health Organisation stated was dangerous and



1       should be stopped as far back as 1975? This is  
2       a practice that European Directives are supposed to have  
3       banned by April 2005.

4             In an article on the Euro Parliament blood donor  
5       ban, which is on the Irishhealth.com website, it states:

6             "Voluntary and non-remunerated blood donation was an  
7       important means of ensuring safe blood and reduced risks  
8       to both donor and patient. Experience has shown that  
9       the type of person who volunteered to give blood was  
10      difference from the type of person who might feel  
11      compelled to give blood for payment. Therefore, MEPs  
12      said blood and blood components should be collected from  
13      voluntary and non-remunerated donors only."

14            Yet Britain chooses to ignore its own safety  
15      standards not to use paid donors and import products  
16      from remunerated donors.

17   THE CHAIRMAN: Are you saying that we still import products  
18      from paid donors?

19   A. Yes, we do, that is exactly what I am saying.

20   MR MEHAN: Certainly to reduce the risk of VCJD, so we still  
21      import commercial products from the United States.

22   THE CHAIRMAN: Because we are still not self-sufficient.

23      I follow that, but are you saying that those are  
24      produced from paid donors?

25   A. Yes, that is exactly what I am saying. There are some

1 voluntary donors but a lot of blood collection. We  
2 checked this out and this is documented in recent  
3 articles: come from paid donors.

4 THE CHAIRMAN: Do we have the article here?

5 A. Yes. I can't name it, but I can refer to you  
6 a particular company.

7 JUDITH WILLETTS: Do we not have more sophisticated  
8 screening methods now?

9 A. We do, but what happens when the next virus comes along?

10 JUDITH WILLETTS: You cannot screen for the unknown.

11 I think the point of importing was that there was less  
12 likelihood of variant CJD from overseas than from UK  
13 plasma.

14 I suppose my point was: if that is the case and they  
15 can screen for the other viruses that we do know about,  
16 would it therefore not actually be a safe product?

17 A. I would like to answer that because I have a really good  
18 example for you and that is that my friend's son is at  
19 university -- was at university in America on a sports'  
20 degree and he used to go and sell his plasma quite  
21 recently to pay his -- to help him through college.

22 Now, the point of this is that he would not be  
23 allowed to donate in this country because we cannot  
24 collect white cell plasma from people in this country.  
25 This is what I am saying about paying donors. When

1 I explained the risks and that he might be putting other  
2 people at risk, he was quite shocked, and there is  
3 a documentary which I gave to Vijay as well, which  
4 showed a documentary team and they stepped off a plane,  
5 and they had come from France, and they went to one the  
6 collecting centres and they were accepted as donors to  
7 sell their blood.

8 THE CHAIRMAN: Were they questioned about their history or  
9 tested in any way?

10 A. I don't know, but they were accepted as donors, and  
11 certainly my friend's son --

12 THE CHAIRMAN: I can see your point about paying donors, but  
13 at least in fairness your friend's son has a rather  
14 different lifestyle from the lifestyle of some of those  
15 that we hear about who were donating blood in the 1970s.

16 A. Actually he was really honest with me and he wrote me  
17 a testimony and, you know -- I know this is not going to  
18 affect anybody but he had had a drink and he smoked dope  
19 before he went and he still got accepted. He took with  
20 him a friend of his from Peru. There is a rule in  
21 America that you are not allowed to collect outside, I  
22 think, a 50-kilometre radius, and one of the issues is  
23 that, if you are accepting donors that have come from  
24 different countries, there are different diseases, so  
25 there might be diseases in Peru that we don't have here.

1           So what I am saying is -- and he said at university  
2           all over there were notices, you know, "Come and sell  
3           your blood," "Bring somebody with you," "The more people  
4           you bring, the more we will pay you," "We will give you  
5           incentive money." This is my point about selling blood  
6           and this is why we should not go along with that. That  
7           is why we have our own volunteer system.

8           I just wanted to use an example -- and I think it  
9           might have been Mike that had brought this up at one  
10          point: if we look at the recent example -- it is a good  
11          example -- in the press of American toy manufacturer  
12          Mattel, where they imported toys from China which failed  
13          to reach the safety standards and the laws of America,  
14          sanctions were placed on the manufacturers and in some  
15          places bans put in place. This is a very recent issue.

16          What I am saying is that we should be giving a clear  
17          message to US manufacturers that still use paid donors  
18          for products exported to the UK that we will not buy  
19          their products unless they meet our safety regulations,  
20          and one of those regulations is a ban on the use of paid  
21          donors. And then I refer to another New Scientist  
22          article here.

23   THE CHAIRMAN: You would apply that test at the point of  
24                  licensing in this country, would you? Someone has to  
25                  say they cannot come in?

1 A. Yes, I think somebody has to check whether the donor is  
2 a volunteer or remunerated, and an interesting point,  
3 going back quite a lot of years now, was the plasma  
4 companies decided that they would not put on the plasma  
5 bottles whether the plasma came from paid or  
6 volunteer -- because one was possible litigation and the  
7 other was that people wouldn't want it.

8 THE CHAIRMAN: The question I was asking was, who do you  
9 suggest in this country should stop this happening?  
10 Presumably the licensing authorities?

11 A. Licensing, yes. It would have to be, I think, at that  
12 level. There should be checks. You know, is this blood  
13 coming from paid or volunteer donors? I think this  
14 double standard after 30 years is incredible. Surely we  
15 must ensure that overseas manufacturers reach our high  
16 standards of safety regulations if we are to import, not  
17 fall below our own safety standards.

18 I would ask the inquiry panel to recommend to  
19 government to place a ban on products that still use  
20 paid donors, as this practice remains a cause for safety  
21 concern and also an example of exploitative and  
22 unethical practice.

23 I would also ask that the UK Haemophilia Society  
24 review their current policy of accepting lower safety  
25 standards for haemophiliacs with imported products and

1 join me in fighting for the highest possible safety  
2 standards and not to compromise on this issue, as they  
3 have in the past. If they had fought to ban the use of  
4 import that used paid donors years ago, many more people  
5 might be alive today.

6 Companies have had many, many years to change their  
7 practice -- from 1975 -- and switch over to volunteer  
8 donors but, so long as Haemophilia Organisation and the  
9 World Federation of Haemophilia itself promote the use  
10 of paid donors, there is no incentive for international  
11 companies to improve their practice. Why should  
12 haemophiliacs in the UK not expect the same safety  
13 standards with blood and blood products as every other  
14 citizen in the UK.

15 I have recently written to the William Clinton AIDS  
16 Foundation to request that he both addresses the past  
17 issues of prison plasma, particularly the problems  
18 associated with the plasmapheresis programme at Arkansas  
19 when he was governor, and the global spread of HIV/HCV,  
20 and call for a global ban on remunerated donors in his  
21 fight to combat the spread of AIDS.

22 I think I may have sent you the article, but that is  
23 the article that I have had recently.

24 THE CHAIRMAN: Yes, you have.

25 A. That is an article by Mara Leveritt, which addresses

1       this issue.

2               There have been very recent global examples of  
3       countries using paid donors that have led to many more  
4       infections and deaths, China being one of them, which I  
5       visited last year.

6               Clinton's AIDS Foundation have replied to me and  
7       acknowledged my thoughts/insights on the global blood  
8       trade, but I am still waiting to hear how Bill Clinton  
9       will actually address this issue, and he will be sent  
10      a copy of the dissertation and a response will be  
11      requested.

12              HIV testing.

13              I read Dr Mark Winter's accounts of the early days  
14      of HIV testing on haemophiliacs and want to raise some  
15      questions on matters of concern and perhaps there are  
16      other witnesses here today that could help provide  
17      answers to the issues I raise. I would also like to  
18      point out that I too worked in the Health Service during  
19      the 1980s, when the test was first introduced. I was  
20      a nurse caring for some of the first AIDS patients in  
21      the UK that came through the psychiatric and addiction  
22      services. I felt rather disturbed when I read  
23      Dr Winter's account of haematologists' practice at that  
24      time and therefore feel I need to present another model  
25      of practice that was being carried out during the same

1 period, as I would be horrified that my former  
2 colleagues and I would be associated with the sort of  
3 practice to which he refers.

4 I would like to start with the following quote:

5 "In September 1985 the HTLV-3 test as it was then  
6 called was widely introduced. It was offered at GUM  
7 (Genito-Urinary Medicine) Clinics and certain other  
8 clinics, as arranged and publicised by the District  
9 Health Authority. Health authorities were asked to  
10 provide counselling services to people who tested  
11 positive, as well as their families and friends."

12 And that comes from a Department of Health and  
13 Social Services booklet, October 1985. I have with me  
14 my husband's first positive test result, which is dated  
15 25th March 1985. The specimen of blood was collected on  
16 13th March 1985. I would like to know whether  
17 haemophiliacs were used to evaluate these early tests,  
18 as I believe they were. This raises a number of ethical  
19 issues. My husband and his brother GRO-A were not  
20 blind tested here. The test forms have their names and  
21 details on them. Yet I hardly know of any haemophiliac  
22 that was asked if they consented to taking part in  
23 evaluating tests. I have with me a letter from the  
24 recently released government documents dated March 26th  
25 1985 to a Middlesex hospital, talking about the



1 evaluation of anti-HTLV-3 kits, about the need to  
2 evaluate them and the need for a suitable protocol, as  
3 "There is not a suitable protocol". This is dated the  
4 day after my husband's test result.

5 A DHSS letter of May 31st 1985 reads:

6 "This is a follow-up to our conversation this  
7 morning about the importance that ministers and the  
8 department attach to completing the evaluation of the  
9 AIDS test as rapidly as possible and to have in hand the  
10 further steps that are needed when the widespread  
11 introduction of tests takes place. CMO and I will be  
12 reviewing with ministers on 7th June the position and I  
13 will be grateful if you could let us have a flowchart  
14 with dates as to when the evaluation studies will be  
15 completed and when the service will be geared up for the  
16 countrywide introduction of the test, with take-up  
17 facilities for confirmatory tests."

18 A further draft letter states that a report on some  
19 kits would be ready by June 85, again after my husband  
20 and his brother were tested.

21 I fully understand the need to evaluate test kits.  
22 I do not have a problem with that. But there are  
23 serious ethical implications that could have been  
24 addressed first with any study group. The early  
25 testing/evaluation of kits should not have compromised

1 patient care but it did.

2 DR JONES: Could I interrupt you? Could you just elaborate

3 on that a little bit:

4 "The early testing/evaluation of kits should not

5 have compromised patient care but it did."

6 A. I was just going on to say -- I will just read the next

7 bit; it might make more sense: The Department of Health

8 was very clear that counselling should be provided to

9 patients with the introduction of widespread tests, as

10 detailed in the circular of 3rd May 1985, and that

11 trained counsellors must be put in place in preparation

12 for the introduction of the test.

13 That is what I remember from my own experience as

14 well. What I am saying is, when you are evaluating

15 a test, you know, and you are not telling people you are

16 testing them, you haven't got the back-up in place --

17 you know, they see in the news from 1983 that there is

18 this deadly dangerous virus. The first thing they

19 know -- and I will go on to explain. For a lot of

20 people the first they knew of the situation is when they

21 were told they were positive. They didn't even know

22 they had been tested and they were just left.

23 DR JONES: So the compromising of patient care that you are

24 referring to is the mental consequences?

25 A. Yes, and I will explain a little bit about that further

1       on.

2   THE CHAIRMAN:  It is the consent point rather than the  
3       actual treatment?

4   A.  Yes, because, as I say, things always have to be  
5       evaluated and as a nurse I do not have a problem with  
6       that.  What I do have a problem with is the ethics.  
7       Once again haemophiliacs were treated as guinea pigs and  
8       appear to have been used as an early test group to  
9       evaluate kits before they were on the general market,  
10      without a thought as to how these patients and their  
11      families would deal with a positive test result (a)  
12      because their informed consent was not sought in the  
13      majority of cases; (b) they were in many cases being  
14      given a positive result without knowing they had been  
15      tested in the first place; and (c) the doctors delayed  
16      for some time, or in some cases completely failed, to  
17      put a system in place to provide counselling support and  
18      to deal with the terrible fallout.

19         As mentioned in my previous submission, the  
20      importance of informed consent and the ethical  
21      considerations around this were raised years before in  
22      the Nuremburg code following the terrible medical  
23      experiments of Auschwitz and other concentration camps.

24         In his testimony Dr Mark Winter quotes from  
25      Simon Garfield's "The Age of Innocence", page 55, which

1 is a book I am very familiar with. He refers to doctors  
2 at one hospital, one of the major AIDS treatment  
3 centres, not specifically working with haemophilia  
4 patients, and the quote read:

5 "We performed a large number of HTLV-3 tests without  
6 written consent. Blood was taken from patients with  
7 AIDS, patients with lymphadenopathy ... and controls."

8 Dr Winter argues that this was a pretty widespread  
9 practice, very different to now. He stated that the  
10 idea that you needed to explain at all times to  
11 a patient what blood tests you were doing was not held  
12 to be the case. I would agree with Dr Winter on certain  
13 points, and that is that many doctors were behaving in  
14 an unethical way and failing to obtain informed consent.  
15 They failed to follow government guidelines regarding  
16 informed consent and also to offer counselling.

17 I would just like to refer to --

18 THE CHAIRMAN: Just pausing there, Dr Winter was saying we  
19 are looking at the whole thing through rather different  
20 eyes now but this was the view being held in those days.

21 A. I was working with the first AIDS patients and we  
22 were -- before --

23 THE CHAIRMAN: I think he was agreeing with you, probably,  
24 was he not?

25 A. No, because what Dr Winter was saying -- he says in his

1       own submission -- was, people were being -- they were  
2       being tested and the blood was being taken and there was  
3       not informed consent. What I am saying was that, when I  
4       was working at that time, when we knew there was -- the  
5       HIV test was going to be introduced on the unit where  
6       I worked, then we sat down and we drew up guidelines for  
7       pre- and post-test counselling. I will go on a bit  
8       because I need to probably explain that a bit further.

9           I would just like to refer to advice from the  
10       Government's chief medical officer, Dr Donald Acheson,  
11       at that time. He advised against testing for AIDS  
12       "unless a specific request has been made." That was his  
13       quote.

14       Acheson was in the position of chief medical officer  
15       from '83 to '91 and he was actually quick to realise the  
16       need for counselling and support to those requiring  
17       a test and proving positive. Then by '86 the "Don't Die  
18       of Ignorance" campaign followed, with health education  
19       advertisements on TV, and by '87 a leaflet on the same  
20       theme was delivered to every house in the country.

21       I know haemophiliacs have a bit of a negative view  
22       of that campaign because obviously there was a lot of  
23       prejudice because of the campaign, but, in terms of  
24       health education, it was probably one of the campaigns  
25       that people throughout the country can still remember.

1           The newspaper article tracking the virus by the  
2       blind route, by Philip Young, describes the ethical  
3       debate that was raging at the time of the introduction  
4       of the test between human rights activists for the gay  
5       community in the form of Terence Higgins Trust, which  
6       incidentally was formed as early as 1981, and other AIDS  
7       organisations and one north east haemophilia consultant.

8           Terence Higgins Trust were warning that:

9           "Telling unprepared patients they have HIV can have  
10      a devastating psychological effect."

11          And, as Philip young writes even totally anonymous  
12      testing presents problems. The very nature of AIDS  
13      means that random HIV screening could break  
14      World Health Organisation guidelines, and civil rights  
15      groups, among others, claim it is wrong to test  
16      a person's blood without their consent.

17          Viewing this situation through the eyes of a former  
18      psychiatric nursing sister, I really wish there could be  
19      some proper medical assessment of the psychological  
20      damage done to haemophilia patients as a result of  
21      unethical practice in a number of areas over the years.

22          Then, to continue, if I could quote Jo Dutton,  
23      spokesman for AIDS north at the time:

24          "I believe that medical investigation should only be  
25      taken for the benefit of the patient concerned."

1           Young states:

2           "His argument goes to the core of doctors' ethical  
3       dilemma."

4           There is further mention of the consequences of  
5       testing, psychological and financial, if a person is  
6       positive, and the responsibility to prevent the  
7       infection of others. I can give you a copy of this  
8       article.

9           I am not sure why Dr Winter and others were not  
10       aware of this debate. Certainly, the gay community were  
11       very much on the ball and active on this issue  
12       throughout the press from the very early days of AIDS.

13          As a practising nurse, this was very much an  
14       important issue at that time. Some of my closest  
15       friends, that were also my work colleagues at that time,  
16       were gay men, so I was fully aware of the issues that  
17       the gay community were putting forward to the media.

18          The consultant in the article mentioned advocated  
19       tracking the virus by blind testing. In the northeast,  
20       where this person practised, patients were tested  
21       around March 85 often without their knowledge and  
22       informed consent on a named patient basis. Patients  
23       often have their blood taken, for example for clotting  
24       levels, but that is very different to having an HIV  
25       test. This so-called "AIDS expert", as he was referred

1 to here, was the same person that made an official  
2 complaint to the Press Complaints Commission in 1983  
3 against journalist Susan Douglas simply for highlighting  
4 "killer blood" sourced from "high risk" donors coming in  
5 from America -- that article was the Mail on Sunday,  
6 1st May 1983 -- and putting haemophiliacs at risk of  
7 AIDS.

8 She identified the first haemophiliac sick with AIDS  
9 in the UK, actually before the authorities did.  
10 Dr Galbraith actually made reference to this article  
11 when he called for all US blood products manufactured  
12 after '78 to be withdrawn from use in May 1983. The  
13 complaint by this haematologist almost wrecked  
14 Susan Douglas's career. She had researched her subject  
15 well and was telling the truth. I am in contact with  
16 her now and she has never received an apology to this  
17 day. I find it very disturbing, when I see evidence in  
18 haemophiliacs' records, especially those that were mild,  
19 in one case with a 87 per cent clotting factor level,  
20 that they were given their first imported factor  
21 concentrates after May 1983.

22 I can tell you more about testing of haemophiliacs  
23 in the north-east of England. I have met with a number  
24 of patients and their memories are all very similar.  
25 Patients were given their results, most not knowing that



1       they had been tested and then some were subjected to an  
2       examination. Those that were told they were positive  
3       recall being asked to pull down their underpants and lie  
4       down and pull up their knees while their rectal area was  
5       examined. Some patients were told nothing; others were  
6       told that the consultant was looking to see if there was  
7       anal dilation.

8           At that time haemophiliacs and gay men were known to  
9       be in a high risk category, but the usual procedure, in  
10      my practice anyway, would have been to educate patients  
11      as far as possible about AIDS and explain about high  
12      risk groups, which would include asking a person whether  
13      they considered themselves to be in any other high risk  
14      group. I would not have expected any patient to be  
15      subjected to a rectal examination unless they themselves  
16      had identified the problem, an infection, pain,  
17      et cetera. One person examined at the time was 14 years  
18      old.

19           Dr Winter talks about the culture of the time and  
20      without doubt in many haemophilia units, though not  
21      necessarily on other units, there was a culture of  
22      paternalistic prescriptive care with little thought for  
23      the need to involve the patient in the decision-making  
24      process.

25           My dissertation explores how this extreme power

1        imbalance affected patient treatment. As mentioned,  
2        I worked as a nurse at the time. My unit had prepared  
3        guidelines for pre- and post-test counselling, as  
4        advised by government, prior to the tests being  
5        introduced. We obtained informed consent as part of the  
6        patient contract, which was also recorded in the medical  
7        nursing notes, and we provided the necessary ongoing  
8        support to our patients.

9            A patient contract meant that you sat down with  
10        a patient, explained the services on offer, discussed  
11        their expectations and devised a care plan acceptable to  
12        both care provider and patient. The patient then signed  
13        the contract, that they understood and agreed with their  
14        plan of care. This, to my mind, was just good practice.

15           It is important that the Inquiry is aware that there  
16        are alternative treatment models being practised at that  
17        time. I wish to point out that there is a principle in  
18        law called the Bolam principle, which is one of the  
19        rules used to determine the issue of professional  
20        negligence where the defendant has represented him- or  
21        herself as having more than average skills and  
22        abilities. One rule is that a doctor, nurse or other  
23        healthcare professional is not negligent if he or she  
24        acts in accordance with the practice accepted at the  
25        time as proper by a responsible body of medical opinion,

1       even though some other practitioners adopt a different  
2       practice.

3           I continually ask myself, where does the law stand  
4       if the majority of haemophilia doctors dealing with AIDS  
5       patients were adopting unethical practice in a number of  
6       areas, which went against government guidelines and duty  
7       of care to patients. Can there ever be circumstances in  
8       medical law where the majority get it wrong and must  
9       accept the consequences, or is it that just the fact of  
10      being in a majority protects certain people no matter  
11      how unethically they behave?

12   MR MEHAN: The issue is, the non-consent or information  
13      about the test doesn't create a harm or an injury as  
14      such. So that is why --

15   A. What if it's psychological?

16   MR MEHAN: It would have to be a recognised psychiatric  
17      condition. As a lawyer --

18   A. That is fine, Vijay. In our community there are  
19      recognised psychological conditions.

20   THE CHAIRMAN: Presumably, you are not asking about whether  
21      there might be compensation at law; the point here is  
22      whether they were doing something which in a court of  
23      law might have been designated as negligence?

24   MR MEHAN: That is right.

25   A. If it was documented in patient's notes -- and bearing

1 in mind I worked in psychiatry and I dealt with  
2 haemophiliacs that came in with psychiatric conditions  
3 when they found out they were positive. Would that  
4 be --

5 THE CHAIRMAN: I think what you are saying, Mrs Grayson, is  
6 that, although normally one test of whether someone is  
7 negligent is whether they acted in accordance with  
8 majority opinion among those who were qualified, you  
9 say, even if they did, it would not necessarily follow  
10 that they were right.

11 A. That is what I am saying, thank you.

12 Testing without informed consent, withholding of  
13 test results, continued long after HIV testing right  
14 through to hepatatis C testing. I wish to highlight the  
15 case of a haemophiliac that came to visit me recently  
16 with his medical records to confirm his case. He wishes  
17 to remain anonymous but I am sure he would speak to the  
18 panel in private if necessary providing his  
19 confidentiality was maintained.

20 He recalled how he only found out that he was HCV  
21 positive when his wife opened a letter in 1998 which was  
22 meant for the GP but went to the family home by mistake.  
23 When he confronted his consultant, he was told that his  
24 parents had been informed in '93. They insist that this  
25 was not the case and, even if it was, the person

1       concerned was 21 at that time, so the consultant  
2       actually had no right to tell his parents and not the  
3       infected patient. There was no informed consent to  
4       tests sought from the patient himself. HCV testing was  
5       introduced in 1991, so why did it take two years for  
6       this person to be tested, when a letter in his notes  
7       from 1982 refers to illness -- and he was quite  
8       jaundiced as a 10-year old boy -- due to an attack of  
9       non-A/non-B hepatitis, so he should have been a priority  
10      case for testing. He could also have unknowingly put  
11      his partner at risk of an infection and his child.

12           I ask myself, was this man another of the northeast  
13      patients to be originally tested in '91 but not told  
14      until years later, alongside my husband and others, that  
15      they were positive. What struck me as deeply saddening  
16      was that this person had until recently had the utmost  
17      faith in his doctors and is now left confused,  
18      bewildered and angry that those he so trusted let him  
19      down.

20           That is one of the points I am trying to say. Even  
21      now -- because a lot of information was not out there,  
22      people are still having reactions now. This man is  
23      really quite angry and upset at the moment.

24           The evidence of people tested without their informed  
25      consent and permission and results withheld for years

1 brings into question again the hepatitis legal waiver in  
2 1991, particularly where doctors were assisting lawyers  
3 with patients' medical records for the HIV litigation  
4 and knew that many of their patients would be positive.  
5 In some cases there were actually positive test results  
6 in the notes.

7 I would also bring to mind a House of Lords ruling  
8 in 1984 that tightened up a patient's right to know of  
9 medium to high risks associated with their treatment, as  
10 these risks could impact on their lives. I believe, if  
11 haemophiliacs had been given the correct information  
12 from doctors and lawyers on the dangers of hepatitis C  
13 in 1991 and told that they were highly likely to be  
14 infected or had been proven already to be infected and  
15 could become seriously ill or die, as was actually  
16 written in the legal pleadings of the HIV case -- for  
17 hepatitis C -- or in some cases, as I say, given their  
18 positive test results, which were already in their  
19 records, they would never have signed the hepatitis  
20 waiver.

21 A number of patients throughout the country have put  
22 in an official complaint to the General Medical Council,  
23 but, despite all the evidence submitted, we could get  
24 nowhere, and, although the doctors could see every word  
25 of our complaints, we were not allowed to see one word

1 the doctors' reply in order to challenge their  
2 submissions.

3 This system is heavily weighted against the patient  
4 ever obtaining justice when things go wrong. Doctors  
5 have admitted in this room that they tested their  
6 patients for infectious diseases without informed  
7 consent, which is against General Medical Council  
8 guidelines and, as I say, came out of the Nuremburg Code  
9 and can supposedly be brought to a court of law, but  
10 haemophiliacs can do nothing.

11 I request, on behalf of the haemophilia community,  
12 that a copy of the Archer Inquiry's final report,  
13 whatever the outcome, be sent to the GMC so that they  
14 can be made aware once again of the issues raised in  
15 this Inquiry.

16 THE CHAIRMAN: I think that at least will be done.

17 A. Good.

18 Conflict of interest.

19 One thing haemophiliacs would like addressed is the  
20 relationship between the plasma companies and the  
21 doctors. What funding did doctors receive from plasma  
22 companies? Were any haematologists acting as paid  
23 advisers to companies or received incentives with regard  
24 to research funding or funding for lecture tours abroad,  
25 et cetera? Were there financial incentives for doctors,

1 as in other countries, where doctors received a type of  
2 commission the more treatment they prescribed? And one  
3 example of that is Germany, where -- doctors  
4 overprescribed in Germany.

5 Where would we be able to obtain this information in  
6 this country? I would like to establish more about the  
7 buying in of plasma products and why this was not  
8 regulated by a pharmacy. We have attempted over the  
9 years to get buying-in records but we have never had any  
10 luck and nobody has any record apparently of ever buying  
11 in plasma in 30 years.

12 I happened to be at a local trust meeting only a few  
13 years ago to raise the issue of recombinant for patients  
14 and noticed an item on the agenda. Basically, the  
15 pharmacy -- this is in the northeast, in Newcastle --  
16 were annoyed that the haemophilia treatment had always  
17 bypassed their department and were calling for more  
18 control over treatment. I wonder if the UKHCDO can  
19 advise where the buying-in records are stored at each  
20 hospital? Did plasma go to a central regional depot or  
21 was it delivered direct from plasma companies? How were  
22 contracts set up? This is the sort of evidence we need  
23 to hear from doctors but is not forthcoming.

24 THE CHAIRMAN: We are hoping we may get a little information  
25 on that later on.



1     A.   Recombinant and vCJD.

2             Haemophiliacs had hoped that lessons had been learnt  
3             after the infection of so many haemophiliacs with HIV  
4             and HCV.  However, sadly, safety issues were once again  
5             ignored in relation to vCJD.  My husband first wrote  
6             asking for recombinant in 1996 and I have submitted  
7             a letter where he was refused this treatment on  
8             3rd April 1996.  Once again the letter demonstrates how  
9             systems failed haemophiliacs.  There was a breakdown in  
10            manufacture, which led to shortages, and despite all  
11            that haemophiliacs had been through, economy was once  
12            again placed over safety, as the letter shows.

13            It is worth noting that, if doctors had listened to  
14            their patients and granted their requests for  
15            recombinant, exposure to vCJD could have been prevented.  
16            My husband's first exposure to vCJD was in the autumn of  
17            1996, which was several months after we had asked for  
18            recombinant.  I would like to provide the panel with  
19            a copy of my husband's legal statement in his fight to  
20            access recombinant.  He went on a high profile treatment  
21            strike to raise awareness of the safety issues  
22            surrounding human plasma and the future risks, including  
23            vCJD.  As the virology experts say, it is not if a new  
24            virus comes along but when.

25            I will give you the witness statement in the legal

1 case between The Queen on the Application of  
2 Peter Longstaff and Newcastle Primary Care Trust, which  
3 was actually heard in the High Court. In a sense these  
4 are Peter's words from beyond the grave. He lost his  
5 case on the grounds that local trusts can choose how  
6 they wish to spend their budget. Recombinant treatment  
7 became a postcode lottery and despite all that my  
8 husband suffered as a result of his infection with  
9 HIV/HCV, this was never a consideration for the trust.  
10 Peter was deprived of synthetic treatment for many  
11 years, even during his last months in a hospice. The  
12 local trust showed no compassion towards him with regard  
13 to this issue. Recombinant was phased in and it was  
14 done on an age basis and Pete was in the last group to  
15 receive recombinant. He was finally eligible on  
16 1st April 2005 and died on 16th April 2005 --

17 THE CHAIRMAN: Can I just put to you an issue that we may  
18 have to address? What you are suggesting is that the  
19 recombinant treatment should have been made available to  
20 him irrespective of whether the doctors who were looking  
21 after him wanted to administer it or not?

22 A. We tried to argue that -- obviously, he had been  
23 infected with HIV and hepatatis C. On psychological  
24 grounds alone, to have to keep taking human treatment  
25 where we knew that there was this risk of this new

1       Prion, CJD -- and that was a big, big issue for  
2       haemophiliacs at the time, and Pete went on treatment  
3       strike; quite a lot of other people said, "We have had  
4       enough."  
5   THE CHAIRMAN: I doubt whether there would be much dispute  
6       that he should have been consulted about the treatment  
7       and become part of the decision, but to say that doctors  
8       must administer something whether they want to or not  
9       interferes, does it not, with clinical freedom?  
10  A. I suppose it does but --  
11  JUDITH WILLETTTS: Was it not the decision of the local NHS  
12       trust? Were they not prioritising who received the  
13       treatment, rather than the individual doctors in this  
14       case?  
15  A. Sorry, yes, I have not made myself clear. Yes, the  
16       Trust -- obviously they held the purse strings.  
17  THE CHAIRMAN: Presumably, the Trust were saying, "We will  
18       not pay for this treatment" --  
19  JUDITH WILLETTTS: No, they are phasing it in according to  
20       the criteria that they have drawn up. He was therefore  
21       not eligible.  
22  A. They only looked at phasing it in after the  
23       Haemophilia Society and a lot of the campaign groups had  
24       a very high profile campaign to get recombinant. We had  
25       to do that first. Basically, the attitude was, in the

1       early days, when there was a concern about vCJD: "It  
2       doesn't matter with these haemophiliacs that already  
3       have HIV and hepatitis C, they are infected anyway, so  
4       we can give them anything." That was actually the  
5       attitude.

6             At one point, when we looked at criteria, it was  
7       like, if you are infected with hepatitis and HIV, you  
8       were last. I can understand, and I totally agree, that  
9       children should be given recombinant first but it was as  
10      if they didn't care about the people who were already  
11      infected.

12   MR MEHAN: Did you know at the time in '96 that CJD was  
13      a potential problem?

14   A. Yes.

15   MR MEHAN: So is that the real call for widespread use --  
16      or full use of recombinant --

17   A. Yes, because -- basically, my argument at the time was  
18      that, because of HIV and hepatatis C, they should err on  
19      the side of caution and, you know, get people on to  
20      recombinant as quickly as possible, and had they done  
21      that, had they acted more quickly -- what is really,  
22      really sad is there is quite a number of children  
23      being -- I mean, as I say, Pete was exposed to CJD in  
24      1996 and so were quite a lot of children, and now the  
25      parents and the children have to live with that, and

1       that could have been avoided. Once again, it shows that  
2       lessons were not learnt and people are not quick on the  
3       uptake, and you have to go through these systems, go to  
4       the High Court, take legal cases, and it is all very  
5       exhausting for people that are sick and dying.

6               So lessons were not learned with regard to  
7       communicating information in relation to vCJD and  
8       haemophiliacs were only given the chance to learn of any  
9       exposure after myself and Pete leaked letters to the  
10      press, the Guardian, from the government and a plasma  
11      company advising doctors to withdraw treatment because  
12      of the vCJD risk but not to tell patients that they had  
13      been exposed. I am aware that it will probably not be  
14      too long before there is a test for vCJD, and after the  
15      disasters with HIV and HCV testing, I hope all  
16      appropriate ethical measures regarding testing and  
17      pre-and post test counselling are put in place in  
18      preparation for the future test.

19             I have just done a bit on education.

20             I would suggest that the past and present case of  
21      haemophilia treatment and the ethics surrounding care  
22      and treatment decisions is placed on the agenda of the  
23      medical schools in the UK and ethics departments at  
24      universities, as what better case to explore than ours,  
25      because there are so many ethical issues. Everything

1       that could go wrong did go wrong, and the tragic thing  
2       is so much could have been prevented.

3           I was just saying before, a member of staff at  
4       Leeds University has invited me to talk to the students  
5       on the history of our campaign and grass roots activism  
6       on their newly launched MA in activism and social  
7       change. I recall one haematologist referring to  
8       patients that campaigned as using low grade guerilla  
9       tactics. I think that, despite everything they have  
10      suffered, haemophiliacs and their families, although not  
11      afraid to be outspoken and challenge the system that  
12      caused them harm, have been remarkably dignified and  
13      restrained. My fellow campaigners should be proud of  
14      their activism and their contribution towards ensuring  
15      human rights are upheld and their fight for the best  
16      possible standards of ethics and care should be  
17      acknowledged. Let us face it, there are far more cases  
18      of doctors, haematologists and health officials being  
19      charged and convicted -- gaoled in some cases --  
20      throughout the world for crimes against haemophiliacs  
21      than the other way round.

22           Just to get back to parity with Eire and  
23      Lord Warner, because I really want to clarify this  
24      situation again with regard to Lord Warner and his  
25      misrepresentation in the House of Lords and Hansard

1       regarding the situation with payments to haemophiliacs  
2       in Eire.

3           I first raised the issue immediately after I spotted  
4       that Lord Warner had got his facts completely wrong with  
5       regard to this issue. He claimed that the circumstances  
6       in Eire were somehow different to the UK but, as my  
7       letters from both the Eire government and Malcolmson Law  
8       solicitors proved, the Eire government paid recompense  
9       to haemophiliacs and their families at liability levels  
10      without accepting legal liability --

11   THE CHAIRMAN: Again I think we are clear on that. In  
12      fairness to Lord Warner, like any other minister he was  
13      relying on information he had received from the  
14      Department.

15   A. I would like to say that I did give him the benefit of  
16      the doubt because I wrote to him and said, "You have  
17      made a mistake; here is the evidence." I gave  
18      Lord Warner the benefit of the doubt, initially assuming  
19      he may have been misinformed by an adviser, and  
20      I provided him with the necessary paperwork. The  
21      haemophilia community did not receive an apology and the  
22      mistake was never rectified despite raising the issue  
23      with my MP and, I think, Lord Morris of Manchester --  
24      I think at one point I raised it with him.

25           I then wrote to the Parliamentary Ombudsman to make

1 an official complaint and asked that they do something,  
2 but nothing happened here either. This causes me great  
3 concern as well, as I am aware that Lord David Owen has  
4 had his own problems with the Parliamentary  
5 ombudsperson, when he asked for the case of gross  
6 maladministration by the government to be investigated.

7 Could I request that attention should be brought to  
8 this serious matter of misinformation and it be flagged  
9 up in the final report of the Archer Inquiry, and both  
10 Lord Warner and the ombudsperson should receive a copy  
11 of the report.

12 As is so often the case with the haemophilia  
13 community, it seems that no matter what evidence we  
14 dredge up in support of our claims, we are unable to get  
15 justice. The decision of the UK Government not to  
16 provide recompense for haemophiliacs on a parity with  
17 Eire was based on the fact that the situation in  
18 Eire was different. This obstacle has now been removed.  
19 We can say with confidence that the situation in Eire is  
20 no different to the UK. We have now clarified this with  
21 evidence from Irish lawyers and the Eire Government, who  
22 know their own situation far better than Lord Warner and  
23 have backed us in our fight for parity and justice.

24 We also heard a supporting testimony at this Inquiry  
25 from Brian O'Mahoney regarding the situation in Eire.



1       The UK Government must now be made to formally address  
2       this issue and provide financial parity with Eire.

3           As we have heard, although the Macfarlane Trust and  
4       Skipton, do their best, they do not always deliver, and  
5       what people want is a reasonable settlement as our  
6       friends received in Eire, which would give haemophiliacs  
7       and their families financial independence, as opposed to  
8       relying on handouts in a system which can often seem  
9       humiliating.

10          I would just like to give one example about the  
11       system can fail haemophiliacs. One haemophiliac that  
12       had been infected with hepatitis C was turned down for  
13       the first payment on the grounds that he had cleared the  
14       virus, but not until years later, and after suffering  
15       a debilitating bout of jaundice as a 10-year-old child  
16       which had left him ill and weak.

17          As the hospital records had inadvertently been  
18       destroyed by a junior trying to put them on  
19       a computer -- a familiar story to many -- he was unable  
20       to prove his early illness. As it happened, I did help  
21       him go through some copies of some old records very  
22       recently that he had at home and found a reference to  
23       his illness, a non-A/non-B infection in 1982 when he was  
24       just a child.

25          He was finally found to have allegedly cleared the

1 virus many years later, but, interestingly, when he  
2 asked, no doctor would either put this in writing or  
3 state in writing that he could no longer infect another  
4 important. In fact, his consultant -- to be fair to  
5 her, his current consultant strongly supported this man  
6 in writing that he should receive the first payment and  
7 not be penalised because of his missing records, but he  
8 was turned down for payment.

9 I was able to establish the two other haemophiliacs  
10 that I know had been infected with hepatitis C,  
11 initially been ill in the same way as this young boy had  
12 and later cleared the virus, but they were paid the  
13 first settlement.

14 This shows how unfair this system is, and how, after  
15 everything this man has been through, as he is also HIV  
16 positive, he still cannot claim the payment that he  
17 deserves. We will be challenging this but this is an  
18 example of why a scheme such as parity with Eire is  
19 extremely important, as it provides a proper assessment,  
20 and I understand those assessing actually meet with the  
21 infected individuals to discuss their cases so any  
22 issues can be ironed out in a humane way.

23 Just finally, my dissertation highlighted many of  
24 the issues brought into this Inquiry. It was actually  
25 written in 2006 and submitted in January 2007, three

1 months before the Inquiry began. As stated, I used  
2 document and supporting evidence that were not at that  
3 time in the public domain.

4 While I was writing the dissertation, I was also  
5 fighting to get these documents released under the  
6 Freedom Of Information, with the help of a solicitor.  
7 The Government recalled all  
8 these documents, and, given the Government's appalling  
9 record for "inadvertently" destroying evidence, I cannot  
10 be entirely sure that all the documents are or will ever  
11 be released into the public domain, but I believe there  
12 is enough now to put the Government to shame.

13 The Government's Self-Sufficiency Report 2006 is a  
14 fairly worthless document, in that it excludes much of  
15 the important evidence regarding what happened to our  
16 community that has since been released. This also needs  
17 to be formally challenged, as this was supposed to  
18 appease us and be accepted as an accurate picture of the  
19 contamination tragedy.

20 The reason always given in letters for refusing  
21 haemophiliacs a public Inquiry was that "all the  
22 information is already in the public domain". We now  
23 know this oft repeated statement was untrue. The  
24 Government should go some way now to addressing this  
25 situation by considering the future report and any

1        recommendations in the Archer Inquiry and offering an  
2        apology that is long overdue.

3 THE CHAIRMAN: Thank you very much. Thank you very much,  
4 Mrs Grayson. We may be asking you to give further  
5 evidence as other things emerge, but thank you for  
6 clarifying your views.

7 A. Actually, I have just remembered one thing from GRO-A  
8 here. He said just to point out that -- we were talking  
9 about quality of treatment. Less than 5 per cent of  
10 haemophiliacs have had a transplant. Where did you get  
11 your ...

12 UNKNOWN SPEAKER: **GRO-A**). This is basically from the  
13 figures of the number of haemophiliacs who have died of  
14 HCV, and less than 50 haemophiliacs have been  
15 transplanted. So basically the rest have died. I am  
16 just one of very few lucky ones.

17 THE CHAIRMAN: Thank you very much. Shall we reconvene at  
18 1 o'clock?

19 (12.05 pm)

20 (The short adjournment)

21 (1.00 pm)

22 MR GERALD HILARY and MRS JOAN HILARY

23 THE CHAIRMAN: Mr and Mrs Hilary, thank you very much for  
24 coming. Presumably you would prefer to make your  
25 presentation, and then you don't mind if we interrupt as

1       you go through it.

2   MR HILARY:   Not at all.

3   THE CHAIRMAN:   If you would like to do that.

4   MR MEHAN:   Could I ask you just to bring the microphone

5       closer to you?

6   MR HILARY:   Can I apologise for the late entrance, as it

7       were, the train from Manchester into London was late.

8       So I do apologise.

9   MR MEHAN:   That is okay.

10   THE CHAIRMAN:   Something from which we all suffer.

11   MR HILARY:   Shall I start?   I am Gerald Hilary.   This is my

12       wife, Joan, we live at [GRO-C],

13       [GRO-C].   We were married in 1969, in July, and from

14       that marriage we had three children.   There was Dawn,

15       who was born in [GRO-C] 1972; Gerald, who was born

16       in [GRO-C] 1973, and Susannah, who was born

17       in [GRO-C] 1974.   Dawn and Susannah are alive and well

18       today, but, however -- and that is why we are here

19       today -- our son Gerald died on 15th November 1989 at

20       16 years of age, following a long illness.

21       When Gerald was 13 months old, we found out that he

22       was a haemophiliac.   He was in a hospital at the time,

23       following an accident, and obviously there was a bleed

24       and he was diagnosed with haemophilia.   We were told

25       then that he would require intravenous injections of

1       Factor 8, the blood-clotting factor, whenever he had  
2       a fall or a bump or an open cut, to stem the bleeding,  
3       and we were told at that time that the Factor 8 that he  
4       was to be given was imported from France and it was  
5       heat-treated and quite safe for use.   Gerald --  
6   THE CHAIRMAN:   You were told that it was heat-treated?  
7   MR HILARY:   We were, yes.   I think it was Sister Shaw at  
8       Pendlebury Hospital who actually said that this was  
9       heat-treated and free of all disease, because we wanted  
10      to know just exactly what was going to be injected into  
11      him.  
12               He spent much of his early life in and out of  
13      Pendlebury Children's Hospital as a result of knocks and  
14      bumps that young children encounter, they get in their  
15      daily life, and in the late 1970s, early 1980s, we were  
16      taught how to inject Gerald intravenously with Factor 8  
17      and the idea behind that was that we could catch the  
18      knock or the bump or the bleed very quickly and stem it  
19      then.  
20               The alternative was to drive him from Stockport to  
21      Pendlebury Children's Hospital, which was not a great  
22      distance, but it was an hour, sometimes two hours,  
23      depending on traffic, and therefore we would treat the  
24      bleed quicker and hopefully stem it and stop it becoming  
25      more serious and being hospitalised.

1           Gerald's right knee was a particular problem. He  
2           had several falls on that knee and very quickly became  
3           susceptible to knocks and bumps where it would -- quite  
4           a heavy bleed in that particular knee, and in 1984 he  
5           got such a knock on that knee he was admitted to  
6           Pendlebury Children's Hospital.

7           At the time, the two consultants were discussing in  
8           front of ourselves as to the treatment that Gerald  
9           should have. One consultant was of a mind to bind the  
10          knee and hospitalise him for two months or whatever it  
11          may take for the bleed to be absorbed back into the  
12          knee, just purely a time factor thing. The other  
13          consultant was more of a mind to send him to Nuffield  
14          Orthopaedic Hospital in Oxford for what we were told was  
15          a synovectomy, which we were told was the opening of the  
16          knee and the scraping of the membrane or whatever inside  
17          to get rid of bleed and then resealing the knee, and  
18          hopefully that operation -- and his time in Oxford would  
19          be about three weeks.

20          Having spoken to the consultants it was our decision  
21          at the end of the day and we decided that perhaps the  
22          synovectomy was the right course of action and Gerald  
23          was then taken to Oxford.

24          We were told three weeks. However, there was  
25          a problem in so much as, following the operation --

1 I don't know how it occurred, whether there was a knock  
2 or a bump and I don't know if Joan can throw any light  
3 on that, but the stitches burst open and he required  
4 massive amounts of Factor 8 to stop the bleeding, and in  
5 actual fact he was there for three months.

6 Eventually, the knee became stable, we brought him  
7 home at the end of that period and he got full use of  
8 the knee again thereafter. We were told, or my wife was  
9 told -- I don't remember the particular conversation,  
10 but my wife stayed down there with him and I visited  
11 a couple of times a week, but one the occasions she was  
12 down there -- if you wish me to say what was said to  
13 Joan, was that one of the consultants down there said  
14 that he would need large amounts of Factor 8 prior to  
15 the operation, during and after, and of course, because  
16 of the burst stitches, he required extra again. But  
17 that would cost somewhere in the region of about £6,000  
18 of Factor 8.

19 THE CHAIRMAN: This was said not by way of complaint  
20 presumably, just as information?

21 MR HILARY: Yes, just as information. It was just  
22 a conversation that took place whilst Joan was at the  
23 beside. He arrived home and he got full use of that  
24 knee again. Some time prior to Gerald's visit to Oxford  
25 we were told by staff at Pendlebury Hospital -- and



1       because of the passage of time, we are talking about  
2       20-something years, I can't just say exactly who it was,  
3       whether it was a consultant, but that his Factor 8 was  
4       being changed and the reason -- when we asked why, the  
5       reason we were given was because it was becoming in  
6       great demand and it was expensive and they could -- when  
7       I say "they", be it the NHS or the Government, but we  
8       were told "they" -- we understood it was the Government  
9       because of what was said afterwards -- were now going to  
10      import it or buy it in from America.

11   THE CHAIRMAN:   Which was cheaper.

12   MR HILARY:   Which was cheaper and that was the main issue.

13       A couple of things came to mind at the time and we  
14       asked -- because we had been told that the original he  
15       had from France was heat-treated -- would this be  
16       treated in the same manner, and we were assured by the  
17       staff at Pendlebury that that would be the case, that  
18       there was no danger to Gerald of any contaminated blood  
19       being injected into him. We were also told, about the  
20       same time --

21   THE CHAIRMAN:   Forgive us, one of the things we try to keep  
22       in mind is a timeline. We are talking now about 1984,  
23       are we?

24   MR HILARY:   It was 1984 when he went to Oxford and it was  
25       prior to 1984 when we were told that his Factor 8 was

1       being changed.

2       THE CHAIRMAN: Mid or early 1980s?

3       MR HILARY: I would think it was about 18 months before he  
4       went to Oxford. So we are talking about 82, possibly  
5       83. We were told at the same time -- at more or less  
6       the same time that the Government were building  
7       a laboratory in the south of England where they were to  
8       produce their own Factor 8 so that the Government or the  
9       country could be self-sufficient in due course. We  
10      didn't know how far on that was or whether the  
11      initiative had started or not. That is the conversation  
12      that took place.

13             Some time after -- and I can't recall because of the  
14      time now whether it was after us being told in the 82/83  
15      about it being imported from America or the change to  
16      the American product or whether it was after Gerald had  
17      been in Oxford in 84, but we heard and read -- there  
18      were media articles and there were conversations at the  
19      hospital, Pendlebury Children's Hospital, whereby lots  
20      of stories were that the American product was being  
21      supplied by drug addicts, prostitutes and prison inmates  
22      who were selling the blood for cash.

23             We also asked, that being the case, "I presume there  
24      is no danger to Gerald again, that it would be treated  
25      in such a manner that there would be no infection?"

1           I am a retired police officer and I was CID for most  
2           of my service and I recall problems about that time with  
3           drug addicts and contaminated needles and hepatitis and  
4           one thing or another. That was well within my knowledge  
5           and it was a question I asked to try to safeguard and  
6           get some assurance that Gerald was going to be all  
7           right.

8           I have an idea that that came to our knowledge prior  
9           to the 1984 visit to Oxford, but I can't be 100 per cent  
10          on that. As I say, we voiced our concerns about it  
11          following seeing these media articles and the  
12          conversations that had taken place. A lot of it may  
13          have been rumour mongering, but the hospital became  
14          quite concerned, I think, about it at the time, and we  
15          were asking certain questions, but we got the assurance  
16          that it was going to be all right and Gerald would be  
17          okay.

18          To our astonishment then --

19   DR JONES: Could I interrupt at that point? It is difficult  
20          at this distance in time, I realise. Can you remember  
21          who told you that?

22   MR HILARY: I think it was Dr Evans, the consultant at the  
23          hospital.

24   DR JONES: Did that hospital have a haemophilia centre.

25   MRS HILARY: They did.

1 MR HILARY: They were quite an established unit, the  
2 haemophilia unit. The two consultants were Dr Evans and  
3 Dr Stevens, who has since deceased himself.  
4 To our astonishment, in 1985 we found out that  
5 Gerald had been contaminated with infected --  
6 contaminated Factor 8 -- and that was by letter of all  
7 things -- and he was now HIV positive. Following that,  
8 in 1988 --  
9 THE CHAIRMAN: Just pausing there, were you offered any  
10 counselling or --  
11 MRS HILARY: No.  
12 MR HILARY: No.  
13 JUDITH WILLETTS: And you had no idea that he was being  
14 tested?  
15 MRS HILARY: No.  
16 MR HILARY: No.  
17 THE CHAIRMAN: Please.  
18 MR HILARY: He had an active life, still following that, for  
19 a couple of years, and we booked our first holiday  
20 abroad in 1988 with the children, all three children.  
21 We went to Portugal. However, Gerald had a -- he had  
22 had a broken leg, he had fallen and broken his leg and  
23 had been treated in hospital, but was at home at the  
24 time and was going back for a final check of the leg and  
25 his final discharge for that particular injury, the

1 broken leg.

2       Whilst there, we were talking to the consultants  
3 about our trip -- in 1988, we booked a holiday abroad.  
4 Gerald seemed well at the time, and, as I say, he went  
5 for this final check on his leg and discharge for his  
6 injury. Whilst we were there, we were talking to the  
7 consultants about our trip to Portugal and we were  
8 advised at that time not to take Gerald out of the  
9 country because his HIV had now become full-blown AIDS,  
10 and that was a conversation that originated with us  
11 talking about a holiday.

12       When and how they were going to tell us, I don't  
13 know. It was pre-empted with that conversation.  
14 Gerald's health deteriorated quite rapidly from the  
15 summer of -- from the summer of 1988, and at one stage  
16 he was diagnosed with pneumonia, but he came through  
17 that, but his periods of hospitalisation became more  
18 frequent and for longer periods.

19       On GRO-C 1989, Gerald was at home and looking  
20 forward to his 16th birthday, which was the following  
21 day. It is also his mum's birthday that day. It was  
22 quite a thing that he was becoming 16. On the morning  
23 of his birthday he had a massive fit and became  
24 unconscious. We rushed him to hospital where we were  
25 told that it was unlikely that Gerald would regain

1       consciousness and he would just slip away, or it was  
2       possible he might have another fit and not come out of  
3       it.

4       Gerald was a fighter and he did regain consciousness  
5       from that event of the 18th August, and a few days later  
6       he returned home.

7       The next time Gerald became ill and attended  
8       hospital was some weeks after his birthday. I think  
9       that was into the early September of 1989. However, on  
10      that occasion his antibiotics did not have any effect,  
11      which the doctors warned us would happen one day. We  
12      then made the decision to bring Gerald home and we  
13      nursed him until his death on 14th November 1989, and  
14      his death certificate shows that he died from  
15      an HIV-related illness.

16   THE CHAIRMAN: That is to say that the immune system was not  
17      functioning?

18   MR HILARY: The queries we had at the time and things that  
19      went through our minds was that, if the demand for  
20      Factor 8 imported from France had become so great, what  
21      was the reason for that and was it ever examined and did  
22      the powers that be think about prioritising the issue of  
23      Factor 8 from France?

24      We never got any information that anything like that  
25      ever took place. Many haemophiliac families are

1 families of haemophiliacs through no fault of their own.  
2 It was not a matter of them hoarding Factor 8. But they  
3 did hold, and we were one of those that held, supplies  
4 of Factor 8 at home.

5 THE CHAIRMAN: A deliberate policy so that it would be  
6 available if it was needed in fairly substantial  
7 quantities?

8 MR HILARY: That is right. In fact there was a time -- and  
9 I can't pinpoint the time. It was obviously well after  
10 Oxford and I point it around the 1988 time -- when we  
11 were told to give him injections daily whether he had  
12 had a bleed or not, and this was to pre-empt a bleed  
13 taking place, which is very nice and a luxury if you can  
14 afford that. I don't mean "afford" as monetary, but  
15 whether the people who supply it can allow that to  
16 happen, that people can store those amounts.

17 We were told to give him the daily injections to  
18 prevent a bleed occurring in the first place and thereby  
19 again perhaps preventing a hospitalisation in catching  
20 the bleed quickly.

21 As I said, earlier, if the demand for Factor 8 from  
22 France became so crucial, why wasn't the distribution  
23 regulated? And, if they did, we never had any  
24 information about that.

25 THE CHAIRMAN: We are hoping we may get some information

1       about that later today.

2   MR HILARY:  We felt it could have been -- they could have

3       continued to get it from France and issued -- given it

4       on an essential needs basis.

5       We also believe, because of the time factor and how

6       long it seemed to drag on in the papers and in the media

7       about this contaminated blood -- and it was still coming

8       from America -- that there was a possibility, and it is

9       only a possibility, that if the Government had taken

10      heed of these warnings, the concerns raised in the

11      Factor 8 product, our son would perhaps still have been

12      alive today.

13      Cost should not have been the primary reason for

14      such decision-making to change from one product to

15      another, particularly if that product was not of the

16      same standard and safeguards were in place.

17      Just to finish, as I say, we were told by a letter

18      that our son had been diagnosed HIV positive through

19      being injected with contaminated blood.  We were told

20      that in a passing conversation about our holiday that it

21      had changed to full-blown AIDS, but to date we have

22      still not received any letter of apology for what we

23      believe was the preventible death of Gerald.

24   THE CHAIRMAN:  Thank you very much.

25   DR JONES:  I don't think I have any questions.



1 JUDITH WILLETTS: May I just ask: were you given any  
2 indication of when he would have been infected?  
3 MR HILARY: Yes, my wife, in fairness to Joan, can't  
4 remember the conversation, but following the period  
5 after we were told, several families obviously got  
6 together to sue -- not that that would bring their loved  
7 ones back, in fact -- you know, the problems with their  
8 children, and it was during that period of time -- and  
9 I think Gerald was still alive at the time -- that they  
10 traced the contaminated blood that Gerald was injected  
11 with to Oxford, whilst he was at Nuffield Orthopaedic,  
12 which was 1984.  
13 JUDITH WILLETTS: So was the Factor 8 that he was  
14 receiving --  
15 MR HILARY: That had been changed to this American --  
16 JUDITH WILLETTS: So there is no possibility that it was the  
17 French Factor 8 --  
18 MR HILARY: No, it had changed prior to that time.  
19 MR MEHAN: Might I ask, would you have been eligible or did  
20 you receive anything from the Macfarlane Trust?  
21 MRS HILARY: No.  
22 MR MEHAN: You would not have been eligible, I assume because of  
23 Gerald's date of death?  
24 THE CHAIRMAN: Thank you very much, Mr and Mrs Hilary.  
25 We have heard of the effects of this on many

1 families.

2 JUDITH WILLETTS: Many people were informed, perhaps by

3 letter, and the lack of counselling and the somewhat

4 arbitrary way of being informed seems to be quite common

5 from the evidence that we have heard.

6 THE CHAIRMAN: I think that that practice has rather changed

7 since. I think doctors realise now --

8 MRS HILARY: We were also advised not to tell anybody.

9 MR HILARY: We could understand that.

10 JUDITH WILLETTS: Because of the stigma attached?

11 THE CHAIRMAN: Of course, there was a social stigma about it

12 then.

13 MR MEHAN: When you said that you were in the police force,

14 can you tell us a little bit about how your career was affected

15 by this?

16 MR HILARY: It was only affected in so much as I was

17 a detective chief inspector in Manchester at the time and involved

18 in quite serious operations. Forget the stress aspect,

19 I was obviously having to support Joan and the girls.

20 My children, the two girls, spent a long, long time of

21 their childhood playing in the corridors of Pendlebury

22 Children's Hospital, trying to do their homework there,

23 having their evening meal there, sometimes until the

24 early hours the morning when things were bad.

25 With regard to work, it has affected me in so much

1       as I could not give 100 per cent to work, obviously,  
2       with the time I was missing. It was a very bad period  
3       that we went through.

4   THE CHAIRMAN: Yes, we have heard evidence in other cases  
5       where there was an effect right the way through the  
6       family.

7   MR HILARY: The two girls really didn't have any life of  
8       their own, as such. It was school and hospital, or  
9       hospital missing school sometimes.

10   DR JONES: Has this tragedy had any long-lasting effect on  
11       them?

12   MR HILARY: My eldest daughter, who was very close, she  
13       still has -- after the incident and nothing to do with  
14       the hospital as such, but she did have some counselling  
15       as such, which was through our own GP.

16   DR JONES: The difference in age?

17   MR HILARY: There was only 13 months. It was my eldest  
18       girl, Dawn, in [GRO-C] 1972, it was Gerald in [GRO-C] 1973  
19       and Susannah in [GRO-C] 1974, so they were very close  
20       together. My youngest daughter doesn't show it too  
21       much, but she keeps things to herself, but my eldest  
22       daughter has problems occasionally.

23   DR JONES: Changing the subject a little bit, presumably was  
24       it someone at the children's hospital, Pendlebury, who  
25       told you that the blood which is thought to have caused

1           the problem could be traced back to that given him at  
2           Oxford?

3   MR HILARY:   From memory, I think it was the solicitor  
4           representing our case that had got that information by  
5           that time.

6   DR JONES:    It came out at that stage, yes, I see.

7   MR HILARY:   They said they had traced the bad batch to  
8           Nuffield Orthopaedic Centre.

9   DR JONES:    Thank you.

10   THE CHAIRMAN: Thank you very much.

11                           PROFESSOR GEOFFREY SAVIDGE

12   THE CHAIRMAN: Thank you very much for coming, Professor.

13   A.   That is all right, my pleasure.

14   THE CHAIRMAN: You were Haemophilia Centre director --  
15           I said "were".

16   A.   Yes, I retired, thankfully.   That is one of the joys of  
17           reaching the age of 65.

18   THE CHAIRMAN: Some of us feel we ought to have retired  
19           years ago.

20   DR JONES:    I can't remember that.

21   THE CHAIRMAN: Could you tell us a little about haemophilia  
22           centres? I don't think we have had anything direct  
23           evidence about them.

24   A.   I did finish off a statement, which I emailed to your  
25           good self at 2.30 this morning.

1 THE CHAIRMAN: I don't think that reached us.

2 A. Would you like to take a copy?

3 THE CHAIRMAN: Certainly, yes.

4 A. I can then expand on the virtues of HC74.

5 Haemophilia Centre, a national organisation really, was

6 started up as a group of interested individuals during

7 the 60s, mostly from Oxford, who had a lot of patients

8 referred to them, some patients from Sheffield, from

9 London and usually at the Hammersmith -- I think it

10 started up there -- and they decided in the middle of

11 the 60s, they would collect national data, so they could

12 join together rather on an ad hoc basis, a bit like a

13 gentleman's club.

14 THE CHAIRMAN: Could I just ask you, if I may interrupt, is

15 this in your statement?

16 A. Well -- most of it is.

17 THE CHAIRMAN: I am just wondering how detailed a note.

18 A. Most of it is there. In the mid-60s they all got

19 together and they managed to persuade the Department of

20 Health to put together a health circular, which

21 described a three-tier national haemophilia

22 organisation. So you had the lowest tier, which was

23 associate centres, which in essence were general

24 haematology departments that looked after one, two,

25 three, four patients. Then you moved up a little bit to

1       what we called haemophilia centres, that really  
2       managed -- and there were about -- of the smaller  
3       centres, the associate centres, there were about 100 at  
4       the time. Then you had your haemophilia centres which  
5       looked after about 20/30 patients, and they numbered  
6       some 10 to 15, and then you had the so-called reference  
7       centres, which was the top of the heap.

8               There essentially were two in London, the Royal Free  
9       and ourselves across the water, there was Sheffield,  
10      there was Manchester, there was Belfast, the two  
11      Scottish centres -- of course there have to be two in  
12      Scotland --

13   DR JONES:   Not Oxford?

14   A.   Oxford, very much so. The secretariat was based in  
15       Oxford, because at that time Oxford was very powerful in  
16       terms of the politics and treatment availability -- and  
17       Cardiff, so there were 10 in all and that is in my  
18       statement, which now appears. (Handed).

19               You will have to excuse some of the typos in it, but  
20       at 2.30 in the morning, I am not all that 20/20.

21   THE CHAIRMAN: I think we could find it in our hearts to  
22       forgive that.

23   A.   Okay.

24               In terms of the organisation, you will see that on  
25       page 3, item 3, National Organisation of Haemophilia

1 Care through the UKHCDO. Late 60s, date, and  
2 "nationally on haemophilia patients including demography  
3 and blood product treatment". Obviously the idea behind  
4 HC76.4, which was the health circular which was  
5 published at the time, was to try to gain as much  
6 information as to what the problems were in relation to  
7 numbers, product usage, projections for usage and  
8 financial burden.

9 THE CHAIRMAN: Yes, I see. Just to clarify one point: your  
10 patients, were they referred to you by a hospital or by  
11 general practitioners or ...

12 A. Haemophilia patients are very inventive. They come from  
13 other hospitals, other haemophilia centres, GPs, they  
14 can even refer themselves.

15 THE CHAIRMAN: Sometimes they do it themselves?

16 A. Quite a lot of them at that stage used to come through  
17 the Haemophilia Society. They didn't like the treatment  
18 they had received and so they went along to the Society  
19 who said, "You can try A, B or C."

20 So you can get them from anywhere. We didn't have  
21 any holds barred because we were one the largest centres  
22 and the only problem we had was money, but then again  
23 most people had a problem with money at that time.

24 THE CHAIRMAN: You were funded by --

25 A. I started in 79 and I inherited, shall we say, a rather

1       low funding level.

2   THE CHAIRMAN:   From where?

3   A.   It was done through the usual mechanism, the Department

4       of Health down to the Regional Health Authority.  The

5       Regional Health Authority say, "We have X number of

6       districts, let us do a pro rata across the districts",

7       and those districts then in turn referred monies across

8       within the disciplines.  So if cardiology, or most

9       commonly, renal meds, if I remember correctly, were

10      short of money, they had the first bite of the cherry.

11      Okay?

12   DR JONES:  I can't remember that.

13   A.   However -- so that was the way that the funding was

14       distributed.  The actual monies.  But in reality, in

15       terms of the product, of which 85 per cent of

16       haemophilia costs rest with, one had product

17       availability through two other sources: one was from the

18       Blood Transfusion Organisation that supplied either

19       fresh frozen plasma or cryoprecipitate, which is a sort

20       of semi-enriched form of plasma, or the

21       Blood Products Laboratory, which at that time was at

22       Elstree and a little bit at Oxford and a little bit here

23       and a little bit there, and what they did, they had an

24       arrangement with the Blood Transfusion Service whereby

25       the Blood Transfusion Service supplied them free of



1 charge -- notionally free of charge rather -- with  
2 plasma and cryoprecipitate, this semi-prepared thing,  
3 which in return was fractionated into a more purified  
4 form of Factor 8 and Factor 9 and albumen, and then  
5 returned back, notionally free, to the Blood Transfusion  
6 Service for distribution out to the individual district  
7 hospitals. So that was the bulk product which was  
8 notionally free.

9       However, because there was always a shortfall and  
10 that shortfall went down to perhaps as much as  
11 60 per cent -- so you only had 40 per cent back on what  
12 was sent in, which, in effect, was not enough anyway --  
13 there had to be a source of money to purchase blood  
14 products, usually from the United States. So that was  
15 where the money came on, through the Regional Health  
16 Authority, divided down to districts and any money that  
17 was loosely at district level went into purchasing that,  
18 should it be necessary.

19       And of course it never was enough because patients  
20 always wanted more and there was a general move at that  
21 time in the mid-70s to the 80s to actually increase the  
22 usage of patients' factor because --

23 THE CHAIRMAN: Just before you go on, looking back at the  
24 procurement, you say there was a shortfall, this was  
25 used to purchase --

1 A. The shortfall was the shortfall from the combination of  
2 product made available by BPL as a pro rata return on  
3 plasma.

4 THE CHAIRMAN: Was that procured by a direct relationship  
5 with the suppliers?

6 A. That had nothing to do with the suppliers at all. What  
7 happened was it was a relationship which existed between  
8 the blood transfusion directors and BPL itself.

9 THE CHAIRMAN: But you said -- there was a shortfall there?

10 A. There was a --

11 THE CHAIRMAN: And that was made up from foreign suppliers.

12 A. That was made up from suppliers from the United States  
13 in particular.

14 THE CHAIRMAN: That is what I really meant to ask you about.  
15 Was that done by a direct contract between the centre  
16 and the suppliers, or was there bulk purchase, or how  
17 was it done?

18 A. It well depended who felt they could possibly get the  
19 best deal out of the commercial companies. So you would  
20 perhaps have a rather cavalier pharmacist who would  
21 negotiate on behalf of the district hospital because it  
22 was district money.

23 THE CHAIRMAN: That is what I was wondering. So the direct  
24 contract was with the district.

25 A. The direct contract was with the district, not with

1 Elstree, not with RHL, not with Blood Transfusion. So  
2 if you had an adventurous pharmacist who wished to  
3 negotiate with his charming Americans, that was fine.  
4 If you had, on the other hand an entrepreneurial  
5 doctor -- God forbid -- you would find that he might do  
6 it, and they had to hand the numbers to make sure there  
7 was some form of cost-effectiveness. So one didn't buy  
8 in bulk enough for 10 years and realise that, after  
9 6 months, it had all gone out of date.

10 The blood transfusion -- the local blood transfusion  
11 directors within the districts, sometimes would take  
12 responsibility for the purchase of it and store it  
13 within the hospitals. So it was very much something  
14 which was hit and miss, but invariably the people who  
15 actually did the negotiation were those who notionally  
16 took responsibility for the budget --

17 THE CHAIRMAN: I see. Yes, thank you.

18 A. -- and had to answer, of course, to the unit management  
19 teams or hospital teams when they were asking questions  
20 such as, "Why have you overspent?"

21 THE CHAIRMAN: Things haven't changed very much. Thank you,  
22 I interrupted you.

23 A. That is all right. So that was the way the funding at  
24 that stage was organised in 1979. There was a central  
25 purchasing facility, which I don't know very much about

1       because it was before my time, but I would have assumed  
2       that the Department of Health arranged to get all the  
3       companies together and say, "Right, this is how much  
4       money we have, this is our usage nationally, which" --  
5       the figures were quite difficult because the data they  
6       were getting from the UKHCDO in general, was  
7       always two years out of date anyway, and with escalating  
8       demand for more product to treat patients at home, for  
9       example, or for preventative treatment in children, the  
10      figures were always wrong, but one anticipated that  
11      those figures should be doubled, and so usually in one's  
12      negotiations -- because I negotiated for St Thomas's  
13      over the road, I always estimated that it would probably  
14      be twice as much as needed.

15    THE CHAIRMAN: I see, but use of the central facility was  
16      optional.

17    A. I don't know because I never needed to use it, because  
18      by the time I arrived there, it had been abandoned  
19      because it was a bit of a catastrophe. So it was really  
20      left up to the individual districts to negotiate with  
21      their money, with the individual commercial companies  
22      for the amount of product they considered was necessary  
23      at a certain price.

24    THE CHAIRMAN: Yes.

25    A. Now, obviously, because there was never enough money,

1       one way of dealing with this, which certainly I pursued,  
2       was to go along to the Regional Health Authority and  
3       say, "It is a bit silly to do this on a district basis,  
4       why don't you top-slice regionally?" So you'd take your  
5       haemophilia money out of your starting pot and then  
6       distribute district-wise, in which case each district  
7       paid a proportion, because we were getting patients from  
8       all over the district, we were getting a proportion of  
9       those districts' monies being top-sliced and that meant  
10      that the renal physicians and the cardiologists could  
11      bathe in the money that they would have got, but didn't.

12   THE CHAIRMAN: Yes, thank you.

13   A. But there were very few centres, to my recollection,  
14      that actually addressed any financial issues locally to  
15      convert them into regional top-slicing.

16   THE CHAIRMAN: Yes. Would you like -- again, I interrupted  
17      you, would you like --

18   A. I have forgotten what I was on about.

19   MR MEHAN: Are you going through your statement?

20   A. I can go very quickly through the statement.

21   MR MEHAN: Even introduce yourself more formally. I don't  
22      know if that has already happened.

23   A. I think the majority, certainly the patients in this  
24      room, know me.

25   MR MEHAN: For the wider record.

1 A. I am or was, rather, Professor of Medicine at  
2 St Thomas's Hospital, as Guy's and Thomas's Trust but  
3 affiliated to King's College, London. Most of my  
4 training is as a physician and as a medical scientist,  
5 not as a conventional haematologist, which may explain  
6 why there are divergent opinions perhaps in the text.  
7 I graduated from the University of Cambridge.  
8 I have specialist accreditation in medicine and  
9 chemistry, and I have, for my sins, spent a lot of time  
10 abroad training, and while I was abroad I worked in  
11 Stockholm, which is probably one of the most prestigious  
12 places in the field of blood clotting and coagulation,  
13 and I have my higher degrees from there.  
14 I obtained the sources to prepare this for you from  
15 a number of things, obviously from the medical and  
16 scientific literature from 79 to 86. I didn't wander  
17 past 86 for fear that I would be accused of being wise  
18 after the event.  
19 THE CHAIRMAN: That of course is an issue we have to grapple  
20 with, yes. But, going to the earlier stage, you said  
21 from 79?  
22 A. I say from 79 because I feel that in terms of HIV,  
23 really, we have to start thinking initially from 79  
24 through to 86 where there were problems, but I do in my  
25 statement make it pretty clear that before 1979 there

1       were problems with non-A/non-B hepatitis, subsequently  
2       called hepatitis C, and that those, coupled together  
3       with the whole of the European Community's  
4       self-sufficiency plans that they want to do, there is  
5       linkage throughout.

6               So you have a failure to implement self-sufficiency,  
7       which essentially was a mixture of safety and finance,  
8       to try to bring them together to make haemophilia care  
9       a little bit more cost-effective and safer, from  
10      a European perspective point of view for harmonisation.  
11      That failed in essence, and then it became pretty clear,  
12      towards the end of the 70s, that non-A/non-B hepatitis,  
13      as it was called then, was not merely just a biochemical  
14      abnormality that a few chemistry departments picked up.  
15      It did have clinical impact, but not in the short-term  
16      necessarily, in the longer term, and that all  
17      concentrates made from large donor pools had a similar  
18      rate of infectivity. That is 100 per cent on first  
19      exposure. So it is pretty straightforward.

20   THE CHAIRMAN: Can you give me any kind of date about when  
21      this became generally known?

22   A. You had two schools of thought. One school of thought  
23      was: this causes problems, and it was backed up by a lot  
24      of tissue work biopsies, liver biopsies, which showed  
25      progressive liver disease, and then you had another

1 group of individuals, who are quite happy to say that,  
2 you know: we just measure it with blood tests and the  
3 blood tests stay the same, so we just think it is  
4 a little bit of inflammation of blood tests from the  
5 liver. So-called transaminitis, which has no clinical  
6 connotation and which is merely a figment of a few  
7 people's imagination. So, by the time the histology  
8 data started coming through and by the time children  
9 started developing cirrhosis of the liver, perhaps it  
10 was a little bit more than inflammation of blood tests.

11 So I think the majority of responsible physicians  
12 and people treating these patients knew by the end of  
13 the 70s -- in fact pretty closely about 78 I think  
14 tipped it -- that large donor pool concentrates, whether  
15 it be for Factor 8 or Factor 9 were the cause of  
16 non-A/non-B hepatitis. Nobody knew what the agent was  
17 but they assumed it was an infective disorder; it came  
18 from an infection. And as time moved on, it became  
19 proven that was the case.

20 THE CHAIRMAN: And by that time, was it suspected that would  
21 be conveyed through blood, through large pool --

22 A. Very much so and that is the simple reason why  
23 99.9 per cent of producers of commercial Factor 8 and  
24 Factor 9 in the world then started to invest money in  
25 their research and development departments to clean up



1       their blood products.

2   THE CHAIRMAN:  By the end of the 70s?

3   A.  At the end of the 70s, in fact the first product that

4       was produced to go into patients was produced in Germany

5       in 1978 and they treated, I think, about 34 patients

6       with it over two years following all the parameters --

7       because the Germans are quite strict about these

8       things -- following every known parameter and they

9       demonstrated quite clearly that there was no biochemical

10      evidence of transmission of non-A/non-B hepatitis using

11      a pasteurised product, and they made representation over

12      here to a number of my colleagues, I believe -- there

13      was never really any report that came back about this --

14      and I would assume that they came here to explain their

15      findings in greater depth because this was available to

16      people who were attending conferences.

17  THE CHAIRMAN:  But we have had quite a bit of evidence that

18      there were people who were seriously troubled about this

19      much earlier than this by the early or mid 70s.

20  A.  Oh, yes, there were people who were very worried about

21      the possibility of hepatitis much earlier on, but the

22      big question was: was it clinically significant?  It is

23      very easy to take blood tests and say, "They go up and

24      they go down.  Isn't that wonderful?  There may be

25      something wrong here", but really you have to start

1 looking at the epidemiology of it, you have to really  
2 start looking at the clinical impact and relate what you  
3 find, particularly with histology, with the clinical  
4 findings and looking at mortality and morbidity. That  
5 takes at least five years to get valuable data, and when  
6 you have got conflicting thoughts and conflicting  
7 interests, it makes it even more exciting.

8 But I think by 78 the majority of responsible people  
9 were sold on the idea that there was a clinical problem  
10 associated with large donor pool products, as mirrored  
11 by all the blood banking agencies in the United States,  
12 as mirrored by all the authorities in terms of  
13 haemophilia management in the United States and in  
14 Europe and by the selfsame Council of Europe that  
15 recommended sufficient sufficiency.

16 JUDITH WILLETTS: May I just ask -- forgive my ignorance --  
17 the German product, you said that they had actually  
18 demonstrated that non-A, non-B -- that it was safe from  
19 that being transmitted?

20 A. That is right. They started their trials in 78 and the  
21 Germans only trial out in Germany. So -- and they are  
22 very stringent about it and they -- one of the things  
23 you have to do is you have to follow blood tests every  
24 two weeks. So you more or less have to be German to  
25 volunteer for this, because you are backwards and

1 forwards to the hospital all the time and it would be  
2 painful, and some of the patients underwent some  
3 biopsies but mostly it was not needed. The patients  
4 felt fine, they reacted normally to the factor when put  
5 in, because one of the concerns, particularly raised  
6 over here against heat-treated products was the fact  
7 that it might damage the molecule and they'd produce  
8 antibodies.

9 But during the two years of trials in Germany at the  
10 end of the 70s, not one single patient developed an  
11 antibody. They all responded favourably to the amount  
12 of product that was put in them. There were no adverse  
13 events from that point of view. The only problem that  
14 was experienced was the fact that one patient, or  
15 possibly two, developed hepatitis B, and that was why  
16 the publication of this particular product was delayed  
17 until 1986 because there was co-infection with a virus,  
18 which is much more difficult to get rid of than non-A,  
19 non-B; namely, hepatitis B, and that was probably due to  
20 the fact they had not done adequate screening on the  
21 donors they used with third generation tests.

22 But that is another story. That delayed the  
23 publication but obviously did not delay the Department  
24 of Health in giving it a licence because it was the  
25 first heat-treated product to receive a full product

1       licence in accordance with the Medicines Act, not the  
2       Crown immunity thing.

3   THE CHAIRMAN: We have heard about that.

4   A. You have heard all about Crown immunity. Crown immunity  
5       was considered to be a bit of a joke at the time.

6   JUDITH WILLETTS: I think I am trying to understand whether  
7       non-A/non-B was in some way identifiable and could be  
8       tested/screened for back in the late 70s. That is what  
9       I am really trying to understand.

10  A. The definition of non-A/non-B hepatitis, which was  
11       invented in fact by an Italian, to complicate it even  
12       worse, was that you would follow certain liver function  
13       tests on a regular basis, usually every two weeks, and  
14       if those liver function tests exceeded 2.5 times the  
15       upper limit of normal, on two occasions, with a minimum  
16       of six weeks apart, after being exposed for the first  
17       time to a large donor pool product, by definition you  
18       had non-A/non-B hepatitis if you were negative to  
19       hepatitis B and hepatitis A and CNV, the other things  
20       that can cause problems.

21  JUDITH WILLETTS: Although hep C was not described until 89  
22       and the test for it was, I think, in 91, you could  
23       identify non-A/non-B and test for it considerably  
24       earlier?

25  A. By exclusion, you did it by exclusion. And it was

1 pretty effective doing it by exclusion because you got  
2 rid of CNV and usually the type of patients we were  
3 talking about -- if you were treating children in the  
4 way that was recommended with low donor pools, they  
5 should not have problems -- at least until they reached  
6 50 bags of cryoprecipitate, they should not have  
7 problems with non-A/non-B. Okay?

8 If it was a question of first time exposure in  
9 a patient newly diagnosed, who needed concentrate, you  
10 would follow that -- you know, we were involved with the  
11 first clinical trials of the -- where you had to stick  
12 to these protocols, otherwise you could not diagnose it.

13 So, really, it was a combination of biochemical  
14 diagnosis. If you were lucky but the patient was  
15 unlucky, they developed symptoms as well, but those  
16 symptoms were highly variable and there was a variable  
17 incubation period. So you could have something, shall  
18 we say, after two to four to six weeks, which resembled  
19 influenza, or, after three months, you could become  
20 extremely jaundiced and very sick. So very, very  
21 variable.

22 JUDITH WILLETTS: Did you say that the Blood Transfusion  
23 Service licensed product, even though it was known that  
24 it had hepatitis B?

25 A. No, what I am saying is hepatitis B -- any licensing in

1       this country was done on the basis of two principles.  
2       The first principle was based upon the Medicines Act of  
3       earlier on because of Thalidomide and everything else,  
4       but that was more directed towards pharmaceuticals,  
5       pills, from packets. You could check and double-check  
6       and everything else.

7             When you start dealing with blood, blood itself is  
8       an unlicensed thing. There is no licence for blood.  
9       There is no licence for what blood cells swim in, which  
10      is plasma. There was no licence for the cryoprecipitate  
11      which was an enriched form of Factor 8 which came from  
12      plasma and they were within the domain of the Blood  
13      Transfusion Service, which was part of the NHS. Okay?

14            The only way that any form of, shall we say,  
15      questions could be asked concerning problems associated  
16      with those things was by assessing each individual step  
17      if you were going to follow the legal approach.

18   THE CHAIRMAN: I think we have had some of this before, but  
19      the position then is this, is it: that, because there  
20      was Crown immunity, the question of a licence didn't  
21      arise.

22   A. It didn't arise because you didn't need it.

23   THE CHAIRMAN: There was no sanction if you used it without  
24      a licence.

25   A. And also the legality of it was entirely different,

1       because, if you were going to sue, shall we say, an  
2       American company that had a formal licence, you could  
3       pick out all those individual steps that had been  
4       quality assured by the regulatory authorities and you  
5       could attack each and every one of those, and you  
6       probably could win because you could identify some  
7       malpractice or some problem with one of those.

8           With Crown immunity, you could not do anything  
9       because nobody knew anything. So you were just sliding  
10      from one formulation to another with very little  
11      documentation and certainly no information passed out to  
12      the treating physicians who were taking primary  
13      responsibility for administering that product, as you do  
14      with a licensed product when you give it on a named  
15      patient basis, which one had to do with heat-treated  
16      products initially.

17           Does that help, or does it confuse it at a higher  
18      level?

19   JUDITH WILLETTS: That is helpful but I am also trying to  
20      understand -- obviously you are talking about there  
21      Crown immunity but when the product is being purchased,  
22      people are purchasing what they believe to be, for  
23      example, US licensed product.

24   A. You have to have a US licence to even talk to the  
25      people. If you have not got a full FTA licence, you are

1 not supposed to talk to them, not even on a research  
2 basis, unless you have something called an IND,  
3 investigation of a new drug. But that has to be  
4 approved through the FDA. You cannot even take those  
5 people into a room to talk to them about it because it  
6 breaches the ABPI Code of Practice.

7 THE CHAIRMAN: Just before you pass on, we have heard  
8 a great deal about the named patient basis. I am still  
9 not crystal clear in my mind how it operates. It is  
10 a question normally of doing it for research, is it?

11 A. You can do it for research but not usually. You don't  
12 usually do it for research. What you usually use named  
13 patient basis for is when a clinical situation arises  
14 that you know that there is a drug which is available  
15 but unlicensed for that clinical indication, that you  
16 feel could help the patient.

17 THE CHAIRMAN: So then, what is the procedure?

18 A. The procedure is the following: you have to take  
19 responsibility for lifting the telephone, you then have  
20 to speak to the company involved, usually the medical  
21 director and say, "This is my problem: I have patient X  
22 who has condition Y, everything else I have tried  
23 doesn't work. I think your drug, which isn't licensed  
24 for this indication, may help. I would like to purchase  
25 it on a named patient basis."



1           He will then scour through all the literature they  
2           have in the world and say, "Well, in Outer Mongolia they  
3           used it three times and it was successful, for somewhere  
4           else it was unsuccessful." They have to give you  
5           chapter and verse.

6           At that point, you have to then make the decision to  
7           use or not use. If you decide to use, then what you do  
8           is you say, "I would like to send you, by fax, the  
9           following information: name of patient, age of patient,  
10          consultant in charge, reason for requiring  
11          administration of this drug, for what condition, for how  
12          long, at what cost and a consultant's signature."

13          You fax it to them, they have a look at it and they  
14          send back to you what they have and they will then be  
15          expected to follow up on that. That is named patient  
16          use, formal style.

17   THE CHAIRMAN: Yes, I see. And it can't of course be used  
18          on any other patient?

19   A. If you use it on any other patient, you are in breach of  
20          the law.

21   THE CHAIRMAN: Yes, thank you.

22   DR JONES: Before we leave the German trials, can we just go  
23          back? There was a time, I believe, in the 80s certainly  
24          when the consumption of Factor 8 concentrates in Germany  
25          far exceeded that in any other European country.

1 A. Absolutely.

2 DR JONES: I am not quite clear in my mind.

3 A. Why.

4 DR JONES: I have read explanations why, but the

5 relationship in time between the trials you referred to

6 and that period of heavy use in Germany, were there

7 trials before that?

8 A. No.

9 DR JONES: They overlapped?

10 A. They overlapped. You see the principle in Germany is

11 entirely different because the Germans base it on third

12 party insurance. So, first of all, the whole idea of

13 compensation and finance, completely different. And

14 they have worked it out quite well that, if you have got

15 haemophilia, you save the cash, you have to.

16 The major centre in Germany, the centre in Bonn, was

17 enormous, it treated 600 severely affected patients. So

18 you can lump, shall we say, most of the UK for severely

19 affected patients into the Bonn centre and still

20 probably have a bit of room in the corridors. They did

21 a lot of interventional surgery. They pursued a lot of

22 home therapy programmes, a lot of prophylaxis. So they

23 were using very much larger amounts of product per

24 patient than, for example, in the UK. So if you work it

25 out on an average how many Factor 8 units per head of

1 the general population, you could say that Germany was  
2 somewhere between 2 and 3 units per head of population  
3 per year, whereas the UK struggled to make a decimal  
4 point out of it, and that includes the notional,  
5 free-of-charge, Crown immune NHS product. Okay?

6 So patient expectation is higher, patient treatment  
7 more intense, particularly amongst children, to prevent  
8 the joint problems arising, when joint problems did  
9 arise, they were taken for surgery and not left hanging  
10 around for seven years on a waiting list which was  
11 pretty common at that time for haemophilia because  
12 nobody wanted to do surgery on haemophilia patients.

13 But the major contribution the Germans made -- and  
14 that started in 78 -- was they discovered a way of  
15 treating patients who had developed antibodies to the  
16 factor they received, the so-called Factor 8 inhibitors,  
17 and the principle is quite simple. What you do is you  
18 give them so much Factor 8 you turn them into a bottle  
19 of Factor 8. You give them 200 units per kilogramme,  
20 per day, and when you work that out roughly, for the  
21 number of inhibitor patients they had, which was  
22 probably about somewhere in the region of 15 to  
23 20 per cent of all their severely affected patients,  
24 plus all the number of other patients that flooded in  
25 from the rest of Europe and the world to have treatment

1       there because they were the only people who could do it,  
2       you ended up with a cost for Factor 8 alone which  
3       equated to the cost of one American star fighter  
4       aeroplane per year.

5   DR JONES: I suppose another factor is that, of those 600  
6       Bonn patients, a lot lived a long way from Bonn and  
7       their treatment was still controlled over the telephone  
8       often, and the only way you could get away with that was  
9       large home supplies.

10  A. Large home supplies, yes. Very good export business.

11       But I think it is very difficult to compare any  
12       other centre -- the Bonn centre particularly is an  
13       example of haemophilia management, because they had it  
14       down to a T. They had the right orthopaedic people,  
15       they had the right physicians in charge, they had the  
16       ideas, they had the biochemical back-up, they had the  
17       histology, they had the surgery, and on top of that the  
18       director of centre's uncle was the Minister of Finance.

19  THE CHAIRMAN: Would you like to continue?

20  A. Where do I start? Right. I was just going through  
21       where I got information:

22       "Proceedings, minutes of medical, scientific and  
23       strategic advisory (inaudible) relevant during the  
24       appropriate period, and the recommended, but not  
25       necessarily documented, clinical practice protocols used

1 to manage patients at the time."

2 I elaborate on this very much by talking about my  
3 impressions and feelings of the august body calling  
4 itself the UKHCDO, often confused by some patients into  
5 thinking it was a distinct animal called the "UCK-DO".  
6 However, I also produced documents because I was  
7 involved in the defence in the haemophilia class action  
8 which took place in the early 80s, that was run by  
9 Solicitors on behalf of the Department of Health.

10 Each and everybody who treated haemophilia had to go  
11 through and prepare a statement of what they did in  
12 terms of their defence. I had a problem, since I was  
13 the only one using heat-treated Factor 8 at the time.  
14 So they had to come back to me and I had two bites of  
15 the legal cherry at the time.

16 But obviously, there is a lot of information  
17 contained in those documents, which I have used.  
18 Similarly, for my sins, I acted on behalf of the  
19 claimants for the negligence actions in the High Court  
20 for HIV and hepatitis C. So there was a lot of  
21 information which had to be produced there, particularly  
22 generic reports for the judges. So I used those to get  
23 some of the information here, not all of it.

24 I first starting using heat-treated products in 82,  
25 after going through lots of discussions with the

1 Americans in 81. That was for the first trial, and the  
2 second trial was started about 84/85.

3 MR MEHAN: Was it vastly more expensive, the heat-treated  
4 product?

5 A. For trial purposes it cost absolutely as much as BPL's  
6 product; namely, zero. But, because it was quite clear  
7 that in some patients -- and it was meant to treat  
8 non-A/non-B hepatitis, to prevent it. So you had to use  
9 naive patients, patients who had not been exposed  
10 before, because the majority of the data that came out,  
11 shall we say, one year to one and a half years later,  
12 after the trial started, was very encouraging and it  
13 looked as if that particular combination of 38 degrees  
14 Celsius for 72 hours was enough.

15 My view was very much: well, that must be better,  
16 even if it costs something, than giving a patient what  
17 I know for sure that it is loaded in 100 per cent of  
18 cases with non-A/non-B hepatitis; namely, the BPL  
19 product. So although I never used any BPL products, it  
20 all went to the 26 smaller centres in the south-east  
21 because they had the first bite of it from the Blood  
22 Transfusion Service. I was always left with nothing at  
23 the end of the year. So I had to survive on money  
24 initially from the district and subsequently from  
25 top-slicing of the region. So I knew most of these

1 companies and it was quite easy to get involved, as the  
2 trial coordinator over here, to test out the first  
3 products which were heat-treated and available for  
4 research.

5 I couldn't get any of the German stuff, which  
6 I really wanted, for the simple reason that, after they  
7 came over here in discussion with some doctors and some  
8 people in 1981, they were scared away. They never  
9 decided to come back. So it was a bit difficult to get  
10 any product. I think they had such negative vibes here  
11 that they thought: well, let us stick to France,  
12 Belgium, Sweden, the United States and the rest of the  
13 world.

14 THE CHAIRMAN: There was not as much of a ground swell  
15 against the product?

16 A. No, no, no and that was probably because the -- there  
17 was a perception amongst quite a number of haemophilia  
18 treaters that the BPL product was safer, relatively  
19 safer -- I can't quantify it -- than the American  
20 commercial product because there were slightly fewer  
21 donors in the large donor pool.

22 But, if you are talking about 10 per cent less  
23 donors from a donor pool of 2,000, that is not really  
24 all that significant. But that was a perception which  
25 was maintained almost through to 1984/85. It even goes

1 through to the final recommendations in 85 that say,  
2 "Use heat-treated product but if you can't get any and  
3 you have not got any money, or you are too lazy to speak  
4 to the Americans, your second choice is BPL's product  
5 which "-- Crown immunity still existed and it was still  
6 100 per cent loaded with non-A/non-B, and people were  
7 still using it, even after 85. "Getting rid of old  
8 stocks", I believe, was cited in the literature.

9 MR MEHAN: Sorry, I interrupted.

10 A. No. Now I am lost again. I talk about the UKHCDO in  
11 considerable depth, at page 3, item 3, about its  
12 composition, its function. Essentially, I compared it  
13 more or less with a club, rather than  
14 a formal organisation, because it really didn't  
15 have any affiliations with any of the learned societies  
16 or with the Royal Colleges, it was not part of NHS. It  
17 was not even funded by the NHS. It was there really  
18 as -- I tried to think of it as best I put in legal  
19 terms. So I came up with this concept of  
20 "Unincorporated Association of Interested Haemophilia  
21 Physicians", that was about the closest I could get  
22 because its legal status was plus/minus zero.

23 I think quite a lot of the information -- there was  
24 a lot of information that was fed back as and when  
25 required on an ad hoc basis on a number of instances.



1 Quite a lot of it went unheeded, particularly some of  
2 the projections, particularly some of the concerns with  
3 respect to what was going on with immune abnormalities  
4 in a lot of patients during 82/83. But there was this  
5 all-pervasive thought that, because there were fewer  
6 donors in the BPL product, it was intrinsically safer  
7 but not quantifiably safe.

8 MR MEHAN: Did you have a view on the status of  
9 voluntary donors being preferred, and not just interested in the  
10 sheer number making up the pool - over the commercial product, which  
11 used paid donors, such that it might have influenced the  
12 decision process.

13 A. I think it really relates to a number of things: first  
14 of all, how do you define remunerated and  
15 non-remunerated? There were some countries that said if  
16 you give them a cup of tea and a biscuit, they are  
17 remunerated. There is that problem. There is a thin  
18 line between what is payment and what is not.

19 Obviously, if you were going to pay them \$40 a shot  
20 and you get these people coming back three times a week  
21 for plasmapheresis, which was, on occasion, the type of  
22 thing that happened in the US, you would collect a lot  
23 of plasma, and if you collect a lot of plasma, you make  
24 a lot of product. If you make a lot of product, you  
25 fill in a lot of holes in other countries where there

1 are deficiencies where they don't do it.

2 So on the one hand, if you want product, it may well  
3 be that you have to -- slightly modify your altruistic  
4 principles about biscuits and tea and perhaps cash.

5 Obviously, the Blood Transfusion people were very  
6 keen on this concept of altruism and voluntary donation,  
7 but one sees the knock-on effect of that now, when  
8 10 per cent of blood donors fall off every year and  
9 don't come back. So you end up with a situation that is  
10 so altruistic that you have no viable business.

11 So I think probably altruism can go to the point of  
12 no return, whereas, of course, remunerated donors can go  
13 equally to a point of no return but in the opposite  
14 direction. So to strike this happy balance, I think  
15 that was originally the intention of the  
16 European Commission; to try to promote maximum  
17 self-sufficiency in the hope that a compromise would  
18 exist with more self-sufficiency and less dependence  
19 upon American commercialism. That, I think, was the  
20 fundamental principle, but it meant finding money to do  
21 it, which was a member state job.

22 MR MEHAN: You were talking about UKHCDO.

23 A. Yes.

24 As I say, there were really 10 main players and  
25 those players were those centres that were considered to

1 be the largest and the most influential. I am not  
2 necessarily talking about influential at a district  
3 level or even at a regional level, but mostly at  
4 a national level.

5       It was not, shall we say, very much sort of the type  
6 of meeting where one could discuss things. It was  
7 really information exchange. They set up their own  
8 working parties, they presented -- in fact I headed up  
9 a few working parties and one did bits and pieces, but,  
10 really, at the end of the day, it didn't make much of  
11 a contribution because it was very difficult to get  
12 anything published that had UKHCDO on it, because  
13 invariably it was going to be statistical, it was not  
14 really going to influence any form of general medical  
15 people. You would not find a renal physician really  
16 getting anything about haemophilia, you would not find  
17 that, and also the specialist journals thought it was  
18 too simplistic.

19       It was very much a sort of DIY job: let us keep the  
20 smaller haemophilia centres, which made up  
21 80/90 per cent of the body, with information about what  
22 currently is being done nationally on a national basis.

23       In terms of the type of things relating to blood  
24 product safety, some concerns about that with the  
25 general people, but normally they followed what came

1 from the top. If BPL was considered to be safer than  
2 American stuff, it was safer than American stuff.

3 One saw this typically with some the blood  
4 transfusion meetings. One that I recall in 83, I think,  
5 in the West Midlands, where they had a surplus of  
6 cryoprecipitate but they didn't want to use that. They  
7 wanted to use the more user-friendly American  
8 concentrate because they didn't have to put it in the  
9 fridge, they didn't have to make it up, it was much more  
10 user-friendly, you could return the bottles when you  
11 wanted to, so there was no waste. This type of stuff.

12 In fact what you were doing was saying, "You pooled  
13 all this cryoprecipitate" -- and that was the time  
14 Elstree was going through a very bad patch, they were  
15 doing to 20 per cent reduction something like that. So  
16 you ended up with a situation where not just the  
17 doctors, but even also the patients, were saying, "It is  
18 much more convenient for me to use that stuff. It may  
19 be infected, but it is easier to stick the needle in and  
20 get it out and get rid of the bottle when it is  
21 finished." A lot of mixed messages.

22 That is why, certainly from my viewpoint, I think  
23 that there should have been far more stringent and  
24 dominant leadership from the doctor's side than had  
25 currently existed. It was very much, "Let us cobble

1       together some sort of compromise so everybody is happy",  
2       which was fine if you are not playing around with  
3       a lethal disease.

4   THE CHAIRMAN:  We have heard some suggestions, almost to the  
5       reverse, that it was not really the -- this was not  
6       patient-led, the patients were simply listening to the  
7       doctors.

8   A.  To some extent I can understand that, because patients'  
9       societies are usually advised by doctors, and, if you  
10      happen to be advised by a doctor who actually happens to  
11      have the wrong opinion, you end up with a problem.

12         So I really think that it is asking a little bit too  
13      much to put the responsibility on to the patients' backs  
14      and say that they insisted, because they were advised,  
15      or they should have been advised.  I am sure there are  
16      people who decided to treat themselves in weird and  
17      wonderful ways, in fact I am sure there are a number in  
18      this very room that do it, but on the other hand,  
19      usually there is a component of so-called expert advice  
20      behind them.

21   THE CHAIRMAN:  Yes.

22   A.  We had very little feedback as a member of the UKHCDO  
23       from any other committees, particularly the more  
24       influential committees, because there was  
25       unofficially -- there was an arrangement of an

1       unofficial delegation whereby the chairman, who sat on  
2       all these committees and was so busy changing hats  
3       throughout the course of the day from one committee to  
4       another, he was really informally delegated to be  
5       a representative, to explain the feelings of the UKHCDO  
6       or his interpretation of the feelings of the UKHCDO,  
7       which we never found out about because we never saw any  
8       meetings back, and we had very few reports back about  
9       actually what he said, what they answered and what  
10      actions were taken. We had no idea.

11           So in fact we were functioning more in a sort of  
12      information-fed vacuum. And for my purpose, I have  
13      a problem with that. That is why I decided to do -- go  
14      the heat-treated way much earlier -- about two or three  
15      years earlier than anybody else, because I was not  
16      prepared to wait around for somebody to tell me that it  
17      would be better to use a Crown immune, approved product  
18      that I knew was contaminated in preference to a product  
19      that I knew had gone through formal FDA-type testing,  
20      looking at logs of virus -- model viruses and everything  
21      else to see -- and with prior clinical data to show it  
22      looked to be infinitely safer. So we swung into that  
23      much earlier, to the concern of lots of people.

24   JUDITH WILLETTTS: So you were absolutely going against the  
25      flow completely with that?

1 A. Well, I don't think I was the only one who wanted it,  
2 but I was lucky because the Regional Health Authority  
3 showed an extreme level of generosity to my  
4 persuasiveness.

5 JUDITH WILLETTTS: I am sure they did.

6 DR JONES: The German wasn't your uncle, was he?

7 THE CHAIRMAN: But was there a flow or -- was opinion  
8 divided down the middle or was there a preponderance?

9 A. I think what happened was -- and this is where  
10 certain -- what happened was that by 1983 there was  
11 enough scientific data there to state, (1), that HIV --  
12 if we are just talking about HIV now -- HIV was caused  
13 by a virus, okay? It had an envelope which meant it was  
14 heat-sensitive. It produced a weird thing called  
15 a reverse transcriptase, which meant, further, that it  
16 was heat-sensitive.

17 It went along similar model viruses in the same way,  
18 with the same type of characteristics and it was derived  
19 from patients -- French patients, admittedly -- who had  
20 a pre-AIDS concern called PGL. So they had isolated it.  
21 They stuck it with a load of lymphocytes, and, within  
22 seven days, that virus ate up all the lymphocytes and  
23 ate up all the healthy lymphocytes around it, which is  
24 exactly what happens in HIV.

25 With that type of hard, scientific data, it is very

1       difficult to say, "I don't believe that it is safe or  
2       unsafe if there is 10 per cent less in the big donor  
3       pool". There is no comparison.

4           The other bit of information was the fact that there  
5       was a report in The Lancet of a child with a blood  
6       disorder that required transfusion. The child received  
7       the transfusion from an adult, who, 17 months later,  
8       died of AIDS, the child died of AIDS, one blood  
9       transfusion.

10          So you have got really basic scientific evidence to  
11       show that the epidemiology is there and also the basic  
12       scientific facts were there to show that it was some  
13       sort of virus which probably was heat-sensitive. So  
14       what is your choice? Do you carry on using a product  
15       you know is loaded with a virus?

16          And there were reports starting to come back late  
17       82/early 83 that HIV was beginning to pick off patients  
18       in this country -- America was before us but they use  
19       a lot more, okay? Or does one say: okay, let us think  
20       the same way as the other scientists think and  
21       particularly the commercial people. The commercial  
22       people are not stupid, they are in it to make money, and  
23       if they are in it to make money, they know that the only  
24       way they can do it is by having a better product than  
25       someone else. They say: we think we have a product



1       which is effective against non-A/non-B hepatitis. What  
2       is stopping us saying, well, it probably, in terms of  
3       the scientific data, is equally effective or more  
4       effective against a lipid encoded virus that has reverse  
5       transcriptors; namely, HIV. Probably inactivate it  
6       better than non-A/non-B.

7               That to some extent was the after-effect of the  
8       first trial I was involved in. The first trial I was  
9       involved in, when they put the data together they found  
10      that one third still had non-A/non-B, and that was  
11      because, when they went back, they found that the donors  
12      had had a much higher level of liver function  
13      abnormalities than the rest. So there were constraints  
14      within that 68/72 level of treatment, okay?

15             But following up those same patients, and looking at  
16      the HIV test when it became available, all the ones that  
17      had had the heat-treated product were HIV antibody  
18      negative because they were all virally naive to start  
19      off with, so we had pre-tests and all these other  
20      things. And somehow or other the French got hold of  
21      a comparative group, age-matched, that had received the  
22      untreated product from the same manufacturer, the same  
23      batch, and they -- I think about 10 or 5 of 18 showed  
24      evidence of antibody production and developed AIDS.  
25      That was published in 85.

1           Similar publications came from other companies. So,  
2           for example, the German product, they published, I think  
3           about 85, the same thing before they actually had to  
4           publish on the hepatitis B thing. So there was  
5           information coming in that use of these products was  
6           superior to using other products in the sense that there  
7           was no development of antibody.

8           Lots of people tried to explain it on other bases  
9           but the most logical thing is the fact that you kill the  
10          virus, it is not there. So we felt perfectly justified  
11          in going out and completely disobeying the current  
12          ethical concepts and everything else, which I was  
13          accused -- I was accused of being a charlatan at one  
14          stage, which I thought was quite nice.

15   JUDITH WILLETTS: You took it as a compliment?

16   A. In this context, it definitely was a compliment coming  
17          from those people.

18   THE CHAIRMAN: Doctors do seem to be fairly passionate about  
19          these things.

20   MR MEHAN: Can we ask: we have heard a lot of evidence  
21          regarding the meeting, now, I suppose, infamous,  
22          of July 13th 1983, at the subcommittee of the Society of  
23          Medicines

24   A. I have never had access to any minutes or anything that  
25          happened with the Committee of Safety of Medicines. As

1 far as I am concerned, they hold their meetings in  
2 a little room in Fort Knox that is soundproof. I know  
3 nothing at all about what deliberations took place  
4 within the Committee of Safety of Medicines, so you will  
5 have to tell me, I am afraid.

6 MR MEHAN: I thought that at that particular meeting that  
7 I am referring you to you might have been in attendance,  
8 but it is a long time ago.

9 A. Absolutely not. The last place I would want to be would  
10 be in the Committee for the Safety of Medicines.  
11 Because you don't know what is really going to be on the  
12 agenda. You don't know what they are going to talk  
13 about and the chances are that the committee is going to  
14 be seeded with people who say that Crown immunity is  
15 wonderful, which it was not.

16 THE CHAIRMAN: But the general wisdom on a number of these  
17 committees seems to have been: all right, there is  
18 a risk, (a), of an infection, and (b), that if there was  
19 an infection, it could be quite serious, but as against  
20 that there is the risk of not being able to obtain the  
21 treatment at all.

22 That is what they were talking about, as far as  
23 I can see.

24 A. I think it was not quite that from some of the  
25 understanding I have had from other sources. It was

1       not that there would not be any treatment; it was that  
2       an absence of treatment would be detrimental, but that  
3       is implicit upon the fact that there is an absence of  
4       money.

5   THE CHAIRMAN:  Otherwise, there were other sources of  
6       getting it?

7   A.  Sure.

8   THE CHAIRMAN:  I see what you mean.

9   A.  You had the Germans producing it, you had the Japanese  
10       producing it.  Admittedly, half of the executive board  
11       of the Japanese Green Cross committed hara kiri after  
12       they found out that they had been transmitting  
13       a disease.

14  THE CHAIRMAN:  Is there anything else you want to say?

15  A.  No, I have made a number of probably fairly  
16       controversial comments in this statement, which I hope  
17       you will enjoy.

18  THE CHAIRMAN:  We are most grateful.

19  DR JONES:  Can I ask one or two questions?  You are not off  
20       the hook yet.  But thanks very much.  That is very  
21       helpful actually.

22       We have heard varying comments about the climate of  
23       opinion amongst the pool of haemophilia patients with  
24       the arrival of saturated concentrates.  We have heard  
25       more than one description that it sort of transformed

1       the scene.

2   A.   Absolutely.

3   DR JONES:  We have heard another description that actually

4       that was not quite the case.  Can you remember what your

5       impression of the impact on patient belief, patient

6       thought was?

7   A.   I can't really give any comment in this country because

8       I was working in another country at the time and there

9       it was standard practice that children received

10      cryoprecipitate and none received concentrate because it

11      was regulated.  Okay?

12         There was availability of commercial concentrates,

13      there was availability of national fractionation stuff

14      which was semi-commercial at the time.  Generally

15      speaking, the patients accepted concentrates in a far

16      more positive way, for the simple reason that the first

17      Factor 8 concentrate was actually developed at the place

18      where I studied, and so there was this loyalty

19      component, one can say, to a certain extent.  And so it

20      is completely different.  I would not like to comment on

21      that.

22   DR JONES:  Fair enough.  Can I read you out something from

23      evidence that was given to us by a haemophiliac:

24         "One thing haemophiliacs would like addressed is the

25      relationship between plasma companies and the doctors.

1       What funding did doctors receive from plasma companies?  
2       Were any haematologists acting as paid advisers to  
3       companies or received incentives with regard to research  
4       funding or funding for lectures", et cetera, et cetera  
5       and more of that general ilk.

6           Have you any comment?

7    A.   Okay.  Generally speaking, if one had dealings with  
8       a commercial company -- and I have probably had more  
9       dealings with commercial companies than most -- the  
10      rules are very simple: they pay for everything to do  
11      with the research that they expect you to do.  That  
12      includes patient travel, patient expenditure, how much  
13      it costs to photocopy the notes, et cetera, et cetera,  
14      what the lab costs cost, and they get a breakdown of  
15      each and every cost before you even embark upon signing  
16      anything.

17           One is expected, as part and parcel of being  
18      involved with the research project for a commercial  
19      company, to actually present one's data.  You can't  
20      expect 6,000 people to travel halfway across the world  
21      and cram them in St Thomas's dining room.  So you have  
22      to go where you are requested to go and give  
23      a presentation.  You may be offered an honorarium or you  
24      may not, but that really covers the fact you are up  
25      until 2.30 doing a report or something similar and you

1       expect perhaps to at least have a few shekels to keep  
2       your eyes open. So I think it depends very much upon  
3       the individuals of what happens.

4             In my case, I had funds which existed within the  
5       hospital and within the trustees, and money was paid  
6       directly from those companies into those trust funds.  
7       So I actually never saw the money, although I did have  
8       the luxury of spending it, as I was the only signatory,  
9       but it had to be spent on something which related to the  
10      project, whether a staff member or the agents or  
11      anything else.

12            I am aware that there were many colleagues, at that  
13      time particularly, who were working as consultants for  
14      commercial companies and I suppose in a way there were  
15      some which were working not necessarily on  
16      a remunerative basis for companies such as BPL because  
17      BPL required advice, it may well be that perhaps such  
18      incentives could be recommendations for this or  
19      recommendations for that. I have no idea because I had  
20      no dealings with BPL.

21            So the answer to your question is: probably yes,  
22      depending upon the individual. How much? No idea.  
23      Because that is directly proportional to greed more than  
24      anything else, and really, you know, these things happen  
25      all the time in all walks of life without necessarily

1       being related to medicine or HIV or blood product.

2   DR JONES:   Okay, thank you.   Recently there has been quite

3       a lot in the press about a problem that

4       Abbott Laboratories are going through at the moment with

5       the extent of their funding of consultants, advisers, et

6       cetera, et cetera.   I have not come across any such

7       outcry about any of the companies involved in

8       haemophilia products.   Have you?

9   A.   Not so much now, because it is all pretty tight.

10       Certainly during the 70s and 80s, particularly during

11       the 80s, there were a number of sort of small ructions

12       which occurred.   Bear in mind, when you think of

13       haemophilia as a subject, it is very small, and the

14       monies, although they may seem a lot, are very small.

15       You know?   You think of something like cholesterol

16       testing, it doesn't seem much, but the amount of monies

17       are ginormous and it is completely different.   So that

18       will attract the press much more because they are much

19       bigger targets and that means a lot more mouths to feed.

20       So there is a greater weakness to actually find out who

21       has the biggest mouth.

22   DR JONES:   Thank you very much.

23   JUDITH WILLETTTS:   Nothing else.   That was very helpful.

24   THE CHAIRMAN:   Thank you very much, Professor.

25   A.   I enjoyed it as well.



1 MR MEHAN: Might we return to you if we have further  
2 questions?  
3 A. I am sure, after reading this, you will have lots of  
4 further questions.  
5 MR MEHAN: Thank you very much.  
6 THE CHAIRMAN: Thank you, good bye.  
7 (2.50 pm)  
8 (Short break)  
9 (2.55 pm)  
10 PROFESSOR RICHARD TEDDER  
11 THE CHAIRMAN: Professor Tedder, thank you for coming. You  
12 are Professor of Medical Virology at the Royal Free  
13 Hospital and at UCH?  
14 A. It is the medical school which is joint between the  
15 Royal Free and University College.  
16 THE CHAIRMAN: It is a joint medical school. I hadn't  
17 grasped that. I should have known that, as a fellow of  
18 UCH.  
19 A. My affiliation is to the University College London, as  
20 an academic, and I was a clinical virologist at the  
21 Middlesex Hospital, in the old days, when all this  
22 happened and then subsequently it was amalgamated and  
23 changed and split.  
24 THE CHAIRMAN: And you are now external consultant to the  
25 National Blood Service.

1 A. And have been for 20-odd years.

2 THE CHAIRMAN: 21, did you say, or round about that?

3 A. Well, David Dane retired in 1982 and he was the man who

4 described the hepatitis B particle and it has his name

5 attached to it. When he retired, I took over his mantra

6 unofficially.

7 THE CHAIRMAN: This was mid-1980s?

8 A. 1982.

9 THE CHAIRMAN: I wonder whether you could help us first: we

10 have heard a little today about the acquisition of blood

11 products. We gather it was done very much on a basis of

12 each Regional Health Authority producing its own

13 products.

14 A. No, I think they would have secured their own products

15 almost on -- and I don't mean this in a derogatory

16 sense -- the international plasma spot market, which is

17 basically, if you were purchasing, you would -- you

18 probably remember -- you would purchase material in the

19 manner which was most financially prudent at the time,

20 and, particularly for commercial agents, this meant that

21 you were working in the field of commercial blood

22 products, and they have a problem, they always have had

23 and I think always will do. It is not -- if I can just

24 expand on that, as Professor Savidge said, it is not

25 quite as he said. It is not the number of donors that

1 go into the pool, it is the number of infected donors  
2 which go into the pool, and you can have a tiny pool.

3 This happened in the Scottish Transfusion Service,  
4 the SNBTS, where one donor had a very high virus lode  
5 and in a very small pool was enough to cause devastation  
6 to the recipients of that pool, and that was a tiny  
7 pool.

8 Equally well, if that donor had not got into 20,000  
9 or 30,000 UK blood donors, the UK blood donor pool  
10 material, if it hadn't been heated and activated, would  
11 still be relatively safe. I think we now know that the  
12 prevalence of blood-borne viruses is anything between 10  
13 and 100 times higher in the commercial donor panel, even  
14 nowadays, than it is in the voluntary panel.

15 Two crucial things about blood products: what is the  
16 nature of the panel from whom the donations are taken?  
17 So that is: what is the safety of the donor panel, how  
18 well do you know your donor panel and how do you  
19 exclude? And the other crucial thing, which of course  
20 is relevant to the early 1980s, is whether you can  
21 terminally disinfect the blood product and still have  
22 a biological function, so that is heat or solvent or  
23 detergent treatment.

24 THE CHAIRMAN: That, of course, changed the whole nature of  
25 the game.

1 A. Very much. Providing of course that it is a virus which  
2 has an envelope and is sensitive to detergent and heat,  
3 and that was only known with some certainty, in spite of  
4 model infections, once the virus of HIV-related disease  
5 was formally characterised and accepted internationally,  
6 and that was actually not before the middle of 1984.

7 THE CHAIRMAN: I think we were given that date.

8 A. So it was a little bit later than when the initial  
9 discussions were taken on, what can be transmitted by  
10 blood products.

11 THE CHAIRMAN: I see. Could you just help us with this, it  
12 may be outside your expertise: when the Regional Health  
13 Authorities were acquiring whatever product they chose,  
14 their contract was directly with the supplier, was it,  
15 the blood company or whomever?

16 A. I am sure it would have been, because one of the ways of  
17 securing a reasonable price would have been to commit  
18 yourself to purchasing from a supplier, and it has never  
19 been different with a monopoly purchaser, that you can  
20 pressurise companies into giving you good deals, whether  
21 it is diagnostics, whether it is surgical swabs or  
22 whether it is in this case blood products.

23 So depending on who and where, and what the nature  
24 of the relationship between the purchasing group, the  
25 haematology, haematologists, haemophiliac doctor group

1       and the producers would have been, it would have been  
2       a patchy representation of some producers with one  
3       health authority and some producers with another health  
4       authority.

5   THE CHAIRMAN: Was there ever discussion in this country of  
6       bulk purchase, the department heading it or something of  
7       that kind?

8   A. I was not involved with the Department of Health at that  
9       time, so I don't know. Clearly, the captive producer  
10      would be BPL and there might have been discussions about  
11      trying to become self-sufficient in that instance.

12   THE CHAIRMAN: It just seems that on the face of it they  
13      would be in a stronger position to negotiate prices,  
14      apart from anything else, if you were purchasing in  
15      bulk.

16   A. I think that is true. I suppose the only problem is  
17      when you are purchasing in bulk with a reagent or  
18      a blood component which is not fully characterised and  
19      is not quite certain of its efficacy -- whether the side  
20      effects -- its safety, and probably in the early days  
21      there was a lot of reluctance to believe that -- it was  
22      not called AIDS in those days, GRIDS and so on, the  
23      acronyms that were around, was actually due to a virus.  
24      I was in Washington in early 83 and heard people saying  
25      it was nothing to do with an infection, it was just

1 antigen overload, or it was poppers, or it was drug  
2 addiction, lots of other reasons.

3 So there was a small caucus of people who were  
4 clinical virologists, and particularly those who had  
5 been involved in the hepatitis B field in the 1970s and  
6 early 80s who said, "Look, this sounds just like a virus  
7 infection, viruses hunt in packs, there must be an  
8 infective agent there", and we were slightly sort of out  
9 on a limb at some of those meetings.

10 THE CHAIRMAN: Yes, I see.

11 A. So there really was real uncertainty in retrospect.

12 THE CHAIRMAN: Could we come -- you may be able to help us  
13 substantially on this, on the self-sufficiency drive in  
14 the mid-1970s.

15 A. Well, I think one of the -- this probably sets me apart  
16 from a number of people, but I think the question of  
17 blood products and blood safety, one of the most  
18 important mantras I still believe, even in this day and  
19 age, is "know your donor". Know your donor and know the  
20 infection risks in your donor.

21 If I can just step sideways from your question for  
22 a moment and give you a current example, we have good  
23 British donors who go abroad and they go to some area of  
24 the world where there is something else out there that  
25 we don't know of, for example, malaria, dengue, which is

1 a virus infection, not terribly nice, rabies, we have  
2 had transmissions of rabies in Europe and other virus  
3 infections. We now have concern of this strange virus  
4 which The Times tells me is a feature of global warming,  
5 chicken gunya, coming into Italy.

6 These sorts of issues show that you need to know  
7 your donor and you need to know the environment in which  
8 your donor is, where they come from, where they are  
9 travelling. Obviously, it is not xenophobic, we  
10 restrict people who have been in areas of the world  
11 where these microbial infections are common. That  
12 becomes an extension of the concept to be  
13 self-sufficient.

14 Self-sufficiency was driven, not so much -- in my  
15 experience, was not driven by the financial requirements  
16 or ease of manufacture or trying to protect a home  
17 market, it was just merely a principle that it is much  
18 better to take your blood and tissues and organs from  
19 donors whom you know where they have been, they are in  
20 your country and they will not harbour something which  
21 is not enzootic, endemic, whatever, whether it is in  
22 animals or humans, in this country, and they will not  
23 bring something in. That is the principle of  
24 self-sufficiency.

25 THE CHAIRMAN: That, presumably, was becoming accepted, even

1       if people hadn't thought of it much earlier, by the  
2       early 1970s.

3   A.   Yes, there were publications by the WHO, putting forward  
4       the concept of self-sufficiency as a central plank.  
5       That was in the late 70s, that I know of.

6   THE CHAIRMAN:   Late 70s?

7   A.   If someone has a date, I would immediately bow to that.  
8       I was aware of that in the mid to late 70s, as I say,  
9       working with David Dane and already being interested in  
10       blood transfusion and transmissible agents.

11   THE CHAIRMAN:   We have heard that David Owen at the  
12       Department was talking about the drive for  
13       self-sufficiency by 1974 at least.

14   A.   That would fit.

15   THE CHAIRMAN:   What has been suggested is, when the time  
16       came, there seemed to be two limiting factors. One was  
17       that there was not sufficient blood supply available in  
18       this country, and I gather -- I think it was half  
19       a million pounds was put into a drive to increase it.

20   A.   That would be plasma procurement.

21   THE CHAIRMAN:   Yes. And the other thing was being able to  
22       process it, and Elstree and Oxford simply hadn't the  
23       capacity to do that.

24   A.   I would not disagree with that, and I think the third  
25       issue was that there was insufficient investment in the



1 late 70s/early 80s, looking at processing and making the  
2 products virus-reduced. I don't like the term "virus  
3 safe", I don't believe there is anything which is --  
4 I naturally worry about life and I don't think anything  
5 is "virus safe", it is a virus less dangerous.

6 THE CHAIRMAN: At least obviously reducing the risks.

7 A. Yes.

8 THE CHAIRMAN: And your view was that this was not taken  
9 seriously enough and there was not enough --

10 A. The retrospective scope, as we say in medicine, is  
11 a remarkably fine and acute instrument. It is very easy  
12 to say there was not enough effort put into it.

13 I think the continued use of cryoprecipitate  
14 somewhat blunted -- you know, to have a facility to  
15 access that, which would very seriously and markedly  
16 decrease your donor exposure. Think of the concept of  
17 donor exposure: how many people go into this bottle with  
18 which I am going to inject myself? Is it 10,000,  
19 50,000?

20 Obviously, if you are a low level factorate user and  
21 you are only mildly phenotypically affected, the  
22 continued use of cryoprecipitate was relatively safe  
23 because the donor exposure was very small. It would not  
24 be safe entirely. With non-A/non-B, the prevalence of  
25 course of non-A/non-B in the UK donor population was

1 significantly high to really not be a suitable argument  
2 to compare that per se as a risk analysis with HIV or  
3 HW3B, as it was then, because the prevalences were  
4 orders of magnitude different.

5 What the non-A/non-B did tell you was that if you  
6 put material into a pool and you made products from it,  
7 you will carry through an agent. We only knew what the  
8 agent was for non-A/non-B in 1989, so, again, that was  
9 very much post hoc, but as a marker of potential  
10 infectivity, both hepatitis B, non-A/non-B were very  
11 good biological markers.

12 THE CHAIRMAN: Could you go back to 1973? When the time  
13 came that it was actually announced by the Government  
14 that there would be this drive for self-sufficiency,  
15 I think the target date was 1979.

16 A. That would be --

17 THE CHAIRMAN: I think hoped to be self-sufficient by --  
18 1980, was it?

19 A. Yes.

20 THE CHAIRMAN: The fact is that by then, first of all there  
21 had been an underestimate of the amount which would be  
22 required apparently, because it was increasing  
23 exponentially.

24 A. And ease of administration, I think. One mustn't forget  
25 that -- I mean, I can remember rolling up 30 packs of

1 cryoprecipitate. It would take a very long time.  
2 I don't think I contaminated it, but I was always  
3 slightly worried. It was a very, very messy procedure  
4 and to do that two or three times a night kept the duty  
5 pathologist up and out of doing anything else for the  
6 evening and the following morning.

7 THE CHAIRMAN: What you are really saying is it should not  
8 have surprised anyone that there was an increase in the  
9 requirement for it?

10 A. I think that is a logical argument, yes, because it is  
11 easier to give and it is very effective and you can err  
12 on the side of overprescription rather than having to  
13 limit yourself and knowing the underprescription is  
14 limiting the access to blood.

15 THE CHAIRMAN: We are told that the facilities for  
16 processing (inaudible) in this country were simply --  
17 I will not say "nowhere near adequate", but were  
18 inadequate.

19 A. They certainly were, in retrospect.

20 THE CHAIRMAN: If there had been anything like an accurate  
21 assessment of the requirement ...

22 A. I am sure if one had sat down then, knowing what we know  
23 now, yes, it would have been very easy to say, "We are  
24 undershooting."  
25 Certainly the fact that there was great interest by

1       the pharma industry or the fractionators industry in  
2       getting pool blood fractions into the UK market must  
3       have alerted people to there being an undersupply.

4   THE CHAIRMAN: I think we are very conscious of the dangers  
5       of hindsight, but what has been suggested is that it was  
6       a little late, by 1974, to think about upgrading the  
7       facilities for processing this. Elstree, for example,  
8       was a long way behind what its capacity could have been  
9       if there had been timely investment.

10   A. I think that is probably fair. I think the -- if one  
11       blames anybody, it is the financial structures in this  
12       country which sometimes don't put money into health  
13       service emergencies, and certainly one didn't recognise  
14       this as an emergency until much, much later, or it  
15       became an emergency because of a failure to invest.

16   THE CHAIRMAN: Of course the time to provide for something  
17       is before it becomes an emergency.

18   A. Indeed, yes.

19   THE CHAIRMAN: The other thing about Elstree seems to be  
20       that it was then discovered that what one might call the  
21       hygiene of the thing was somewhat lacking. It was just  
22       closed down, wasn't it, whilst these things were sorted  
23       out?

24   A. I don't know that. When was the closure?

25   MR MEHAN: 81 or 82?

1 THE CHAIRMAN: I thought it was -- the inspection was 1981  
2 and this followed in 1982.

3 A. Didn't that coincide, though, with redevelopment of the  
4 site?

5 MR MEHAN: Yes, there was a budget of some millions and then  
6 it reopened in 1987.

7 A. Surely it cannot have been closed down for that length  
8 of time? Because they would have been fractionating in  
9 the meantime. Where did our plasma go for fractionation  
10 up until then? Because we were collecting plasma in the  
11 UK.

12 THE CHAIRMAN: It went to Elstree. It was only then that it  
13 was realised that it was: (a), inadequate in volume; and  
14 (b), that it was unhygienic.

15 A. Yes. What does one mean by "unhygienic"? The obvious  
16 thing is that you give something to somebody and they  
17 suffer a bacterial or virus infection. I don't think it  
18 was based on that. It was probably a combination of  
19 shoestring investment and trying to provide a service  
20 which was not in line with the developing international  
21 guidelines.

22 Certainly, if you go -- fractionators -- everything  
23 is stainless steel, nothing is reused without strict  
24 decontamination. Those sort of attitudes were very much  
25 post hoc. At the time -- I don't think it was

1 criminally behind the guidelines that were in place, but  
2 clearly it was lagging behind and that is what the  
3 reinvestment was and the refurbishment of the  
4 fractionation unit.

5 But I am looking from outside. My concerns were  
6 very much different from that.

7 THE CHAIRMAN: I appreciate that. It is perhaps not fair to  
8 press this with you.

9 A. You can ask, but I can only give you a personal opinion.

10 THE CHAIRMAN: Although you can see that it may have been  
11 open to some criticism that -- what the need was for  
12 foreseeing, you would not say it was of a horrific  
13 nature?

14 A. It was a missed opportunity.

15 THE CHAIRMAN: A missed opportunity. I mustn't monopolise  
16 this.

17 DR JONES: Can I take you back to a talk you gave to  
18 a haemophiliac meeting in Cardiff in September 84.

19 A. You can, but only because I have it in front of me.

20 DR JONES: You look as if you have a wonderful memory.

21 The first question really frankly shows my  
22 ignorance, but at a time when there was still a debate  
23 about the nature of AIDS and its cause and you were  
24 saying that there was sufficient evidence from  
25 epidemiology, particularly that this was caused by

1 a virus which you described as "friable". Now, does  
2 that characteristic relate to the envelope that  
3 Professor Savidge referred to, and susceptibility to  
4 heat treatment?

5 A. Yes. Can I put this in context? This was 1984 and the  
6 first descriptions, which really received very scant  
7 publicity were from Francois Clavel and Montaigne(?) in  
8 1983. In May 1984, the two papers came out in "Science,  
9 back-to-back", which was the Montaigne Group and  
10 Gallo(?). We had been offered the 83 virus, but it had  
11 died in transit through Liverpool Street Station, and  
12 that is very interesting, to look back on what happened.

13 DR JONES: Not a unique experience, I believe.

14 A. Yes. By 1984 we had the virus with Robin Weiss, and,  
15 because of previous collaboration with him on the  
16 leukaemia retroviruses, it was very easy for us to  
17 develop an assay and we were probably the first  
18 laboratory in the UK to be running the assay diagnostic  
19 thing, and the figures that Dr Evert(?) has taken out  
20 here came from the September paper, putting the  
21 prevalence of what we then called HDLB3B infections  
22 measured by antibodies in the populations as shown in  
23 the table, showing that really it was in the  
24 so-called -- I don't like the term, but the "risk  
25 groups", there was a high prevalence of infection.

1           I extrapolated from this being clearly because it  
2       was in fractionated blood -- that is not a blood  
3       component, which is sort of wet giblets, but it is blood  
4       which has been purified and the proteins have been  
5       extracted. The fact that it was present in there tells  
6       you that it has to be present in the donor as a plasma  
7       viraemia.

8           That is a small point, but it means that there is  
9       virus in the blood away from the cells, which puts it at  
10      a different position from the first two viruses which  
11      we -- in this discussion, at the time that we are  
12      talking about, HDLB1 and 2(?) so the data which was  
13      already evolving from America and our own data says that  
14      that has to be a plasma-borne virus that is present in  
15      there.

16          If it is like any other retrovirus that we know  
17      about because we obviously knew and worked with both  
18      Gallo and Montaigne, it has to be a virus which is  
19      enveloped. Okay? It has a lipid membrane around the  
20      outside of it. I used to use the analogy of a good, hot  
21      British cup of tea about 60-65 degrees Centigrade; you  
22      cannot catch AIDS by sharing a teacup. It is going to  
23      be very sensitive to detergents, sensitive to solvents  
24      and probably sensitive to heat. That is why I called it  
25      friable.



1 DR JONES: In the same paper later on, it is alleged that  
2 you made the comment that:  
3 "In veterinary medicine, products from one country  
4 would not get through incoming customs from another  
5 country in the way that concentrates have come into the  
6 human market for haemophiliacs in the UK."  
7 Would you like to elaborate?  
8 A. Oh, yes. These things do come back to haunt one.  
9 I think it is true, because we tried -- we, at the time,  
10 were dealing with making monoclonal antibodies, which  
11 you raise in mice and you make a culture, and trying to  
12 get these across European country boundaries and global  
13 boundaries proved to be really quite tricky because they  
14 were mouse-derived, and the paperwork and hoops which  
15 you had to jump through to take a biologically active  
16 agent, which is zoonotic and it goes in animals, across  
17 a country boundary was really quite considerable, and  
18 that was not taking it across to put it in another  
19 mouse, it was just to take it across and use it in the  
20 laboratory.  
21 MAFF in those days, as it was, and the international  
22 equivalents of MAFF, were very, very concerned about  
23 transmittal of infectious agents between one group of  
24 animals and another group of animals. You only have to  
25 see what has happened recently with foot and mouth.

1 THE CHAIRMAN: I think what we are more concerned with is  
2 the other side of the comparison.

3 A. I think the way to get to the other side of the  
4 comparison is to walk through the animal thicket first  
5 and then say -- I have always found -- and this is  
6 coming back to the question of self-sufficiency. I have  
7 always found it very strange that the pharmaceutical  
8 industry making blood products can show safety in  
9 trials, or claim safety in trials, and this material  
10 then can cross boundaries.

11 It is the same discomfort I have with kidney  
12 transplant holidays, with haemodialysis abroad, with  
13 blood products in the spot plasma market; it does not  
14 make sense. It doesn't matter what you do, it is who  
15 you do it with, and in this particular case, who you do  
16 it with is irrelevant, it is where the material has come  
17 from, that you give a patient or -- for all the  
18 altruistic reasons you are giving materials to patients,  
19 it is the history of where it has been and where it has  
20 come from, and then, of course, how it has been treated.

21 THE CHAIRMAN: And licensing could not be a complete control  
22 over this, when it gets here?

23 A. The problem is licensing would only have reduced the  
24 inflow into this country of a material which was  
25 commercially required. There was not a sufficient

1 material in this country and it had to come from  
2 somewhere. And as so often with these biological  
3 products, they are produced and they fill a niche and  
4 then you have to say, "If we cannot buy it from there,  
5 what do we do? Do we let the patient languish without  
6 treatment or do we do what we think is best? We may get  
7 it wrong, but do we do what we think at the time is best  
8 and say we will let this in, we will use it?"

9 Perhaps it is the altruistic aspect of being doctors  
10 and saying, "We are going to do this, we think it is  
11 best", that enables one to import material in the way  
12 which MAFF, or DEFRA nowadays, would have absolute  
13 hysterics about.

14 You could not begin to think of bringing in bovine  
15 plasma to protect Bovidae in this country. It might not  
16 be financially viable, but, if you wanted to, you would  
17 be hung, strung and quartered. It comes back to: this  
18 is why self-sufficiency is such a laudable concept, even  
19 if it was not pursued to the extent that it should have  
20 been.

21 DR JONES: Related, but more pertinent and up-to-date, you  
22 will be glad to hear, you are now:

23 "An external consultant to the National Blood  
24 Service with particular responsibility for aspects of  
25 transfusion microbiology in the safety of blood and

1 blood components."

2 Do you feel able to tell us your honest views about

3 the present situation with regard to ensuring the safety

4 of blood and blood products?

5 A. This is slightly --

6 DR JONES: Are the procedures in place at present superb?

7 A. In the UK?

8 DR JONES: Yes.

9 A. I think they are as good as anybody else. I think on

10 the whole transfusion microbiology flourished extremely

11 well over 15 years up until about 10 years ago and now

12 I think we have been caught up by others. We were

13 probably the first country -- historically, if you look

14 back to the early 90s, we were one the first countries

15 to develop PCR testing; that is genome detection for

16 hepatitis C. I am not sure it is financially viable,

17 but we can do that.

18 We have committee structures which spend a lot of

19 time doing what I call "navel gazing". We have

20 a protocol for looking for risks, and if we identify

21 a risk, we undertake a risk assessment. It can be

22 something as trivial as, "What do we do about chicken

23 gunya?" -- this is the new virus that is present in

24 Italy, "What do we do about malaria?" What do we do

25 about chagas?" "What do we do about BSE, Variant CJD?"

1           So we now have in place mechanisms which are rather  
2           uncomfortable because we sit down and say, "What happens  
3           if ... can we justify doing nothing? Can we justify  
4           doing everything? Where are we going to find the  
5           balance in between?"

6           Much of this anxiety, navel gazing, has come out of  
7           the retrospective analysis of what happened with HIV.  
8           Was the Blood Transfusion Service correct in how it  
9           dealt with it? Then Lord Justice Butler's comments on  
10          the hepatitis C, non-A/non-B, has all taught us that,  
11          even if what you are doing is right, you have to say to  
12          people what you are doing and why you think it is right.

13          It is not so much that I think the Transfusion  
14          Service has ever been wrong, we might just not have been  
15          able to exteriorise our reasoning to say why we did what  
16          we did and why we do what we do. So we are worried  
17          about that. We have standing committees which meet four  
18          times a year, and at any time the Chair of the standing  
19          committee who reports to the Microbiological Safety of  
20          Blood Tissues and Organs, or what used to be MSBTO, can  
21          ask for advice on this, that and the other, and we have  
22          people who read PubMed each week and look for the next  
23          little outbreak of some infection.

24          It might be absolutely trivial, but: can it be  
25          transmitted by blood? If it is going to be transmitted

1       by blood, then what do we do about donors? Do we  
2       screen, do we quarantine, do we remove donors? It is an  
3       ongoing process in a much more aggressive and an  
4       objective way than it ever used to be.

5   DR JONES: I have the impression that on the whole you think  
6       the present structure is as good as we can think of at  
7       the moment.

8   A. We are under-resourced, overworked, we have too many  
9       things to do, but, yes, it works and I think it is very  
10      foolish to say that we will not be caught out, but we  
11      will be as quick as anybody else working with our  
12      colleagues in Europe. We have networks now.

13         You must realise that the worldwide web, whether we  
14      like it or hate it, in terms of information transfer --  
15      for example, four years ago when SARS came out, within  
16      three or four weeks we ourselves were working with  
17      the genome, we had tests set up. We could never have  
18      done that without the web, and the opportunity for  
19      monitoring, WHO monitoring, is very much better than it  
20      was 10/20 years ago.

21         If this had happened 10 or 20 years ago, people  
22      would have been screening very, very, very quickly. The  
23      information flow would have been so much quicker.

24   JUDITH WILLETTS: I know you have to leave, but very  
25      briefly --

1 A. I would like to get back to hear Simon Wayne-Hobson late  
2 from the Pasteur talking about viruses, but ...

3 JUDITH WILLETTTS: You mentioned earlier about people who  
4 were only suffering from a mild form of haemophilia and  
5 it was clearly preferential that they were receiving  
6 cryoprecipitate.

7 A. Can I turn that round: it was obligatory that they did  
8 not receive concentrate. It was the other way round;  
9 people had small requirements for Factor 8 replacement.  
10 Certainly in our hospital, under the late Jimmy Stewart,  
11 who was the consultant haematologist, he maintained,  
12 with the agreement and support of David Dane, on the one  
13 side, and John Crasse, on the other, both of whom you  
14 will have heard of, that the policy should be that  
15 unless you had to give a concentrate -- this was in the  
16 late 70s and early 80s -- don't give a concentrate  
17 unless you absolutely had to, maintain people on  
18 cryoprecipitate.

19 JUDITH WILLETTTS: Was that nationwide?

20 A. It was nation known, but not a nationwide policy because  
21 of the way that haemophiliacs -- directors decided to  
22 run their own centres.

23 JUDITH WILLETTTS: Because we have heard evidence of people,  
24 who suffer only from a very mild form of haemophilia,  
25 who were given concentrates.

1 A. I know, I lost a great friend of mine through exactly  
2 that procedure; an elective surgical operation which we  
3 had expected to be covered under cryo was covered under  
4 one dose of Factor 8 concentrate, and it was an American  
5 product, one of the well-known companies, and two weeks  
6 later he had glandular fever syndrome and that was it.

7 JUDITH WILLETTTS: So there was no Department of Health  
8 Directive or policy or advice or ruling?

9 A. Well, Spence Galbraith, who was then head of CDSC, took  
10 this up in the very early 80s with the Department of  
11 Health. The trouble is he put it -- he overstated the  
12 case to try to find a median point of view and actually  
13 destroyed his own argument. He said nobody should be  
14 using Factor 8 concentrate, it is a lethal material,  
15 remove it off your shelf.

16 And you couldn't do that generally because -- you  
17 could do it generally, but specifically there would be  
18 people whose whole life depended on a very high level  
19 replacement, either for surgical purposes or because of  
20 bleeds, or for other reasons, and you couldn't have  
21 removed it completely because you could not have  
22 sustained a requirement for Factor 8 replacement.

23 But that was, I suppose, Spencer's email -- it  
24 wasn't email -- Spencer's letter which went round the  
25 fax that went round, it must have been 1982, because



1 David Dane was still my mentor at the time and he  
2 retired at the end of 82, so that would have been in  
3 summer 82, and that was as a result of hearing what was  
4 going on from America where there seemed to be concerns  
5 about what was happening in the haemophiliac  
6 populations.

7 MR MEHAN: Is there any alternative treatment for mild  
8 haemophilia as opposed to Factor 8 or cryoprecipitate or  
9 any other ...

10 A. There is a drug, DDAVP, which is supportive. Plasma  
11 used to be the old-fashioned thing, fresh plasma. Those  
12 are the only two options that I know. It is a very --  
13 it is a devastating deficiency if you have it.

14 JUDITH WILLETTTS: Thank you.

15 THE CHAIRMAN: Thank you very much, Professor, I am most  
16 grateful. I hope we have not caused you to miss --

17 A. I am sorry, I didn't want to be peremptory. If there is  
18 anything else, please feel you can get back to me.

19 THE CHAIRMAN: Thank you. You may care to know that there  
20 will be further evidential hearings, but we are not in  
21 the position to announce when they are, at the moment.  
22 Vijay assures me that we will publish another date soon.

23 (3.30 pm)

24 (The Inquiry adjourned)

25