

SMALLER HAEMOPHILIA CENTRES PRESENTATION
EDGWARE GENERAL HOSPITAL

Directors

1. The director of the Haemophilia Centre at Edgware Hospital from 1977 until at least 1990 was Dr Simon Ardeman.

Status of Haemophilia Centre, Relationship with other Haemophilia Centres, and Relationship with Regional Blood Transfusion Centre

2. The Haemophilia Centre at Edgware was based at Edgware General Hospital, Edgware, Middlesex, HA8 0AD. It was proposed as an Associate Centre in the North West Thames Region (05) on 15 November 1976 with Dr S Ardeman as the Director.¹ It was designated as a new Associate Centre late in 1976.²
3. Edgware Hospital was part of the North-West Thames Region (Region 05). On 29 November 1976, Dr Dormandy of the Royal Free Hospital wrote to all Haemophilia Centre Directors in Regions 04 (East Anglia), 05 (North-West Thames) and 06 (North-East Thames) including Dr Ardeman of Edgware Hospital.³ At that time, Professor Ingram of St Thomas' Hospital and Dr Dormandy of the Royal Free Hospital, both Haemophilia Reference Centres, were asked to be jointly responsible for the South-East Haemophilia Supraregion. Dr Dormandy and Professor Ingram decided to split the Supraregion along the Thames. Edgware Hospital, being in the northern half (comprising East Anglia Region (04), North-West Thames Region (05), and North-East Thames Region (06)), fell under the responsibility of Dr Dormandy.⁴

¹ CBLA0002956_005

² OXUH0000863_002

³ CBLA0000506

⁴ See also: CBLA0000533 minutes of meeting on 15 December 1976 where it is recorded that "*Professor Ingram and Dr Dormandy, who were the reference Centre Directors for regions 04-08, had taken the Thames as a dividing line so that Professor Ingram would be mainly concerned with regions south of the Thames (07/08) and Dr Dormandy with regions north of the Thames (04, 05 and 06).*"

4. From 1976, NHS factor VIII concentrate was distributed through the Regional Blood Transfusion Centres. With some slight adjustments, it was said that this corresponded to the supply areas of the appropriate Blood Transfusion Centres at Brentwood, Edgware and Cambridge.⁵ The relevant Regional Blood Transfusion Service Centre for Edgware Hospital was the North London Blood Transfusion Centre, Edgware.
5. The material was divided among the Regional Transfusion Centres proportionately to the number of different haemophiliacs treated in the Regions in 1974.⁶ In 1976, the allocation of NHS factor VIII concentrate to the North West Thames Region, based on 1974 returns, was 160 bottles per month.⁷ No bottles were specifically allocated to Edgware Hospital.
6. Dr Ardeman attended a meeting of Directors of Haemophilia Centres/Associate Haemophilia Centres (Regions 04, 05 and 06) and Blood Transfusion Centres on 15 December 1976.⁸ At a further meeting of Directors of Haemophilia Centres/Associate Haemophilia Centres (Regions 04, 05 and 06) and Blood Transfusion Centres on 23 September 1977,⁹ it was noted that no concentrate was needed at Edgware General. However, Dr Ardeman specifically raised the issue of distribution of NHS concentrate supplied to the North-West Thames Region. It was recorded that:¹⁰

“Dr Ardeman reported that he had circularised everyone in N.W. Thames, asking what NHS conc. each needed. The figures added up to 427 bottles/month against a supply of 360. He and Dr Davies had revised the allocations to fit in with the increased supply and also to reduce the reserve stock. Even so, there would still be a shortfall of 67 bottles/month.”

⁵ CBLA0000506

⁶ CBLA0000506

⁷ CBLA0000510

⁸ CBLA0000533

⁹ BART0000689 / CBLA0000657

¹⁰ BART0000689 / CBLA0000657 p. 5

7. At a further meeting of Directors of Haemophilia Centres/Associate Haemophilia Centres (Regions 04, 05 and 06) and Blood Transfusion Centres on 1 September 1978, Dr Ardeman again raised the issue of supply of NHS concentrate.¹¹

“Dr Ardeman had two matters he wanted to raise: The first one was parochial, involving North West Thames, and he apologised to those who were not concerned. In April 1978, Dr Dormandy, Dr Tuddenham, Dr Ardeman, Dr Davies and Mrs Britten met to try and sort out the distribution of the 360 bottles per month of NHS concentrate allowed to North West Thames, bearing in mind that the requirements of the region were much more than this. He wanted to air the conclusions arrived at to see whether it was a fair arrangement, and if any suggestions could be made. The arrangement was that the 360 bottles should be allocated to Centres for patients on home therapy, pro rata on the basis of the returns for those patients treated in 1977. This meant that certain hospitals now received less than they were receiving prior to the meeting. He wanted to know whether the Meeting felt this was a reasonable suggestion or not. The decision had been implemented since the April meeting.”

8. The second matter raised by Dr Ardeman was noted as follows:¹²

“Dr Ardeman’s second point was about the decision that the sub-committee had made that all the 360 bottles received by North West Thames should be distributed each month, so the Blood Transfusion Centre had no reserve stock. He understood that some regions had concentrate left over and stockpiled it.”

9. Following some discussion between Centre Directors, it was agreed at the meeting that Dr Cleghorn should maintain a stockpile at the North London Blood Transfusion Centre.¹³

¹¹ CBLA0000838 p. 4

¹² CBLA0000838 p. 6

¹³ CBLA0000838

10. Dr Ardeman also corresponded with Dr Lane of BPL regarding supplies of factor VIII concentrates to the North-West Thames Region. By letter dated 24 April 1978, Dr Ardeman wrote to Dr Lane:¹⁴

“As we discussed on the telephone some weeks ago, I enclose details of the amounts of Commercial Factor VIII used in the North West Thames region during 1977. This totals 974,368 units, and I gather the minimum cost is 8p per unit, so that roughly £80,000 were spent in purchasing this quantity. The returns for individual haemophilia centres were:-

<i>Luton & Dunstable Hospital</i>	<i>1,560 units</i>
<i>The Middlesex</i>	<i>“ 4,250 “</i>
<i>*The Royal Free</i>	<i>“ 314,554 “</i>
<i>Gt Ormond Street</i>	<i>“ 457,744 “</i>
<i>Hammersmith</i>	<i>“ 196,260 “</i>

**These figures do not include amounts used for patients living in the North East Thames Region.*

I trust these data will provide useful in your attempts to elicit financial aid, in order to help increase production of Factor VIII at the Blood Products Laboratory.”

11. By letter dated 26 April 1978, Dr Lane responded to Dr Ardeman as follows:¹⁵

“Thank you for your letter about the use of purchased factor VIII in your supra-regional group of hospitals. The projected figures for national purchase of factor VIII tally well with a suggested figure of approximately 15,000,000 iu per annum.

Hopefully, we should obtain substantial funds in the immediate future enabling us to erode this amount substantially over the next three to four years. I am always obliged for any support you can give.”

¹⁴ CBLA0000761

¹⁵ CBLA0000763

Number of patients treated and/or registered at the Centre

12. A list of Haemophilia Centres from around 1975/1976 suggests that there were 2 patients with haemophilia A at Edgware Hospital.¹⁶

13. In the following years, the numbers of patients registered and/or treated at Edgware Hospital from the limited available evidence were as follows:

- a. 1976: The Annual Returns for 1976, signed by Dr Ardeman, record that 1 patient with haemophilia A was treated at the Centre. No patients with Christmas disease were treated.¹⁷
- b. 1977: The Annual Returns for 1977, signed by Dr Ardeman, show that 1 patient with haemophilia A was treated at the Centre. No patients with Christmas disease were treated.¹⁸
- c. 1978: The Annual Returns for 1978, signed by Dr Ardeman, show that 2 patients with haemophilia A were treated at the Centre. No patients with Christmas disease were treated.¹⁹
- d. 1979: The Annual Returns for 1979, signed by Dr Ardeman, show that 1 patient with haemophilia A was treated at the Centre. No patients with Christmas disease were treated.²⁰
- e. 1980: The Annual Returns for 1980, signed by Dr Ardeman, show that 3 patients with haemophilia A were treated at the Centre. 2 patients with von Willebrand's disease were treated.²¹ There appear to have been at least 5 registered patients with haemophilia A.²²

¹⁶ OXUH0000863_002

¹⁷ HCDO0000099_001 and HCDO0000099_003

¹⁸ HCDO0001156

¹⁹ HCDO0001255

²⁰ HCDO0001322

²¹ HCDO0001419

²² HCDO0001419

- f. 1981: The Annual Returns for 1981, signed by Dr Ardeman, show that 4 patients with haemophilia A and 1 patient with von Willebrand's disease were treated at the Centre. There were 6 registered patients with haemophilia A and 2 registered patients with von Willebrand's disease.
- g. 1982: The Annual Returns for 1982, signed by Dr Ardeman, show that 3 patients with haemophilia A and 1 patient with von Willebrand's disease were treated at the Centre. There were 7 registered patients with haemophilia A and 2 registered patients with von Willebrand's disease.
- h. 1983: The Annual Returns for 1983, signed by Dr Ardeman, show that 1 patient with haemophilia A was treated at the Centre. No patients with von Willebrand's disease were treated.²⁵ No patients with haemophilia B were treated.²⁶ There were 7 registered patients with haemophilia A and 3 registered patients with von Willebrand's disease and 1 registered patient with haemophilia B.
- i. 1985: The Annual Returns for 1985, signed by Dr Ardeman, show that 1 patient with haemophilia A was treated at the Centre. No patients with von Willebrand's disease or haemophilia B were treated.²⁷ There appear to have been 8 registered patients with haemophilia A although it is noted that 2 patients listed were treated and registered elsewhere. There were 3 registered patients with von Willebrand's disease and 1 registered patient with haemophilia B.²⁸
- j. 1986: The Annual Returns for 1986, signed by Dr Ardeman, show that no patients were treated and no blood products were used.²⁹

²⁵ HCDO0001715

²⁶ HCDO0000175_005

²⁷ HCDO0001902

²⁸ HCDO0001902

²⁹ HCDO0000322_003, HCDO0000322_004. The Annual Returns for 1990 are at HCDO0002364 and shows that 1 patient with von Willebrand's disease was treated with 40mcg of Desmopressin.

14. Data from Edgware Hospital was contributed by Dr Ardeman to published studies including: Treatment of haemophilia and related disorders in Britain and Northern Ireland during 1976-80 by C R Rizza and Rosemary J D Spooner.³⁰

Treatment policies and blood product usage

15. The Annual Returns for Edgware General Hospital show that the following products were used in the following years:

- a. 1976: To treat 1 patient with haemophilia A, the Centre used 25 bottles of cryoprecipitate.³¹
- b. 1977: To treat 1 patient with haemophilia A, the Centre used 10 bottles of cryoprecipitate.³²
- c. 1978: To treat 2 patients with haemophilia A, the Centre used 15 bottles /1,050 units of cryoprecipitate, 47,870 units of NHS factor VIII concentrate, and 1,200 units of Hyland Factor VIII (Hemofil).³³ Both haemophilia A patients were treated with Hemofil.
- d. 1979: To treat 1 patient with haemophilia A who was on regular home therapy, the Centre used 30,425 units of NHS factor VIII concentrate and 22,910 units of Hyland Factor VIII (Kryobulin).³⁴
- e. 1980: It is difficult to discern the precise figures in the Annual Returns but it appears that the Centre used a combination of cryoprecipitate, NHS factor VIII concentrate and Hyland Factor VIII (Hemofil) to treat patients with haemophilia A and cryoprecipitate to treat patients with von Willebrand's disease.³⁵

³⁰ HCDO0000586

³¹ HCDO0000099_001 and HCDO0000099_003

³² HCDO0001156

³³ HCDO0001255

³⁴ HCDO0001322

³⁵ HCDO0001419

- f. 1981: To treat 4 patients with haemophilia A, the Centre used 5,850 units of cryoprecipitate, 2,820 units of NHS factor VIII concentrate, 3,840 units of Hyland Factor VIII (Hemofil) and 1,650 units of Immuno Factor VIII (Kryobulin) in hospital. For home treatment of haemophilia A patients, the Centre used 70,070 units of cryoprecipitate, 11,895 units of NHS factor VIII concentrate, and 13,750 units of Immuno Factor VIII (Kryobulin). To treat 1 patient with von Willebrand's disease, the Centre used 975 units of cryoprecipitate in hospital.³⁷
- g. 1982: To treat 3 patients with haemophilia A, the Centre used 884 bags / 61,880 units of cryoprecipitate, 5,980 units of NHS factor VIII concentrate, and 4,950 units of Hyland Factor VIII (Hemofil). 30,645 units of NHS factor VIII concentrate were used for prophylactic home treatment. To treat 1 patient with von Willebrand's disease, the Centre used 15 bags / 1,050 units of cryoprecipitate in hospital.³⁸
- h. 1983: The 1 haemophilia A patient who was treated received 210 bags / 14,700 units of cryoprecipitate for home treatment.³⁹ No factor VIII concentrates (NHS or commercial) appear to have been administered. This is consistent with a handwritten note which records that no factor VIII concentrates were used by Edgware General in the N W Thames region in 1983.⁴⁰
- i. 1985: To treat 1 patient with haemophilia A, the Centre used 3,840 units of Armour Factor VIII (Factorate) in hospital.⁴¹ It appears that no material was supplied for home treatment.
- j. 1986: The Annual Returns for 1986, signed by Dr Ardeman, show that no patients were treated and no blood products were used.⁴²

³⁷ HCDO00001517

³⁸ HCDO00001618

³⁹ HCDO00001715

⁴⁰ HCDO0000152_003

⁴¹ HCDO00001902

⁴² HCDO0000322_003, HCDO0000322_004. The Annual Returns for 1990 are at HCDO00002364 and shows that 1 patient with von Willebrand's disease was treated with 40mcg of Desmopressin.

Knowledge of risk of hepatitis/HIV and response to risk

16. Dr Ardeman attended several UKHCDO meetings, including on 13 January 1977,⁴³ 9 October 1981,⁴⁴ and 13 September 1982,⁴⁵ and can therefore reasonably be taken to have been aware of the matters discussed at those meetings. It is recorded that he sent his apologies on other occasions including for UKHCDO meetings held on 24 October 1977,⁴⁶ 13 November 1978,⁴⁷ 30 September 1980,⁴⁸ 17 October 1983,⁴⁹ 27 September 1984,⁵⁰ 25 September 1987,⁵¹ 9 October 1989,⁵² and 1 October 1993.⁵³
17. It does not appear that Dr Ardeman contributed to the Glasgow Symposium on Unresolved problems in Haemophilia in 1980,⁵⁴ or the Manchester Symposium on Current Topics in Haemophilia in 1982.⁵⁵
18. In 1985, a meeting of Directors of Haemophilia Centres supplied by NBTS Edgware (including Dr Ardeman) was arranged for 18 January 1985 to discuss the problems related to AIDS/HTLVIII in haemophiliacs.⁵⁶

Testing patients for HCV / HIV and numbers infected

19. Provisional data received by the Inquiry from UKHCDO suggests that 2 patients were tested but there were no patients infected with HIV at the Edgware Hospital in the years 1985 and 1986.⁵⁷

⁴³ PRSE0002268

⁴⁴ DHSC0002339_048 and CBLA0001464

⁴⁵ CBLA0001619

⁴⁶ PRSE0001002

⁴⁷ HSOC0010549

⁴⁸ PRSE0003946

⁴⁹ PRSE0004440

⁵⁰ PRSE0003659

⁵¹ HCDO0000485

⁵² HCDO0000015_035

⁵³ HCDO0000493

⁵⁴ RLIT0001242

⁵⁵ DHSC0002221_003

⁵⁶ CBLA0001975. The Directors of the following Haemophilia Centres supplied by NBTS Edgware were invited to the meeting: GOSH, UCH, Luton & Dunstable, Ashford, Bedford, Edgware, Middlesex, Hillingdon, Lister (Stevenage), and Charing Cross.

⁵⁷ INQY0000250

20. The Inquiry does not have information currently as to the numbers of patients infected with hepatitis C in consequence of their treatment for haemophilia at Edgware Hospital.

JENNI RICHARDS QC

ANNABEL LEE

Inquiry Counsel Team

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