

Survey of Patients Treated at Haemophilia Centres in the U.K.Annual Return for 1977of materials used to treat patients having haemophilia or Christmas disease****Centre: EDINBURGH Director: Dr. S.H. DaviesTotal number of haemophilic patients treated during the year*: 53 (2 no doses)Number with Factor VIII antibodies: 7Total number of Christmas disease patients treated during the year**: 10 (1 no doses)Number with Factor IX antibodies: nil

Total amount of material used to treat these patients during the year:-

Type of Material Used	No. of bottles etc. used	Amount used (units of activity)	
		F.VIII units (for haemophilic patients)	F.IX units (for Christmas disease patients)
Plasma		nil	nil
Cryoprecipitate		636,810 ✓	
NHS Human Factor VIII Concentrate (Edm.)		271,396 ✓	
Abbott Factor VIII Concentrate (Profilate)			
Armour Factor VIII Concentrate (Factorate)			
Cutters Factor VIII Concentrate (Koate)			
Hyland Factor VIII Concentrate (Hemofil)			
Immuno Factor VIII Concentrate (Kryobulin)			
Other Human Factor VIII Concentrate***			
Bovine/Porcine Factor VIII Concentrate			
NHS Factor IX Concentrate (Edm.)		—	73,800 ✓
Commercial Factor IX Concentrate***			
Other Materials (please specify)			

* Please supply details on Form A(2)

**Please supply details on Form A(3)

*** Please give name of manufacturer and/or trade name of product

**** Please do not include von Willebrand's disease patients or carriers of haemophilia or Christmas disease on this form - see Forms A(4)-A(8).

Deaths during the year:-

Name of Patient	Diagnosis	Date of Birth	Date of Death	Cause of Death
nil				

Annual Returns for 1977Centre: EDINBURGH

Total amount of material supplied during 1977 to Haemophilia A Patients on Home Treatment

Type of Material Supplied	Total Amount Supplied*			
	For All Haemophilia A Patients		For Haemophilia A Patients with anti-factor VIII antibodies NIL	
	Bottles etc.	Factor VIII Units	Bottles etc.	Factor VIII Units
Cryoprecipitate		NIL		
NHS Human Factor VIII Concentrate (Edm.)		83,180 ✓		
Abbott Factor VIII (Profilate)		—		
Armour Factor VIII (Factorate)		—		
Cutters Factor VIII (Koate)		—		
Hyland Factor VIII (Hemofil)		—		
Immuno Factor VIII (Kryobulin)		—		
Other Materials (please specify)		—		

Comments:

*Please enter the factor VIII units of activity; if this information is not available, please enter the number of bottles etc. supplied. If the home treatment packs are made up and supplied for specified patients by another Centre (e.g. your Reference Centre) for collection only from your Centre, please indicate this in your reply.

Annual Returns for 1977Centre: EDINBURGH

Total amount of material used at the Centre for the treatment of ^{3*} Haemophilia A patients who have anti-factor VIII antibodies (i.e. excluding materials supplied for home treatment - see Form A(1a)).

Type of Material Used	Total Amount Used during 1977*	
	Bottles etc.	Factor VIII Units
Cryoprecipitate		30,520 ✓
NHS Human Factor VIII Concentrate		12,910 ✓
Abbott Factor VIII (Profilate)		
Armour Factor VIII (Factorate)		
Cutters Factor VIII (Koate)		
Hyland Factor VIII (Hemofil)		
Immuno Factor VIII (Kryobulin)		
Bovine Factor VIII		
Porcine Factor VIII		
Factor IX Conc. (please specify type)		(F.IX units)
Other Materials (please specify)		CYCLOKAPRON

* Comment:

- 1 inhibitor patient received cyclokapon only
 1 patient received no treatment in 1977 after inhibitor detected

*Please enter the factor VIII units of activity; if this information is not available, please enter the number of bottles etc. used.

Annual Returns for 1977Centre: EDINBURGH

Total amount of material supplied during 1977 to Haemophilia B (Christmas Disease) Patients on Home Treatment

Type of Material Supplied	Total Amount Supplied*			
	For All Haemophilia B Patients		For Haemophilia B Patients with anti-factor IX antibodies	
	Bottles etc.	Factor IX Units	Bottles etc.	Factor IX Units
NHS Factor IX Concentrate		38,100 ✓		
Commercial Factor IX		—		
Other Materials (please specify)				

Comment:

*Please enter the factor IX units of activity; if this information is not available, please enter the number of bottles etc. supplied. If the home treatment packs are made up and supplied for specified patients by another Centre (e.g. your Reference Centre) for collection only from your Centre, please indicate this in your reply.

Survey of Patients Treated at Haemophilia Centres in the U.K.Annual Return for 1977 - von Willebrand's Disease PatientsCentre: EDINBURGHTotal number of patients with von Willebrand's disease treated during the year*: 2

Material(s) used to treat these patients:-

Type of Material Used	No. of bottles etc. used	Amount used (factor VIII units)
Plasma		
Cryoprecipitate		4,130 ✓
NHS Human Factor VIII Concentrate		1,400 ✓
Abbott Factor VIII Concentrate		
Armour Factor VIII Concentrate		
Cutters Factor VIII Concentrate		
Hyland Factor VIII Concentrate		
Immuno Factor VIII Concentrate		
Other Human Factor VIII Concentrate**		
Bovine/Porcine Factor VIII Concentrate		
Other Materials (Please specify)		

* Please supply details on Form A (8)

** Please give name of manufacturer and/or trade name of product.

Annual Returns for 1977Centre: EDINBURGH

Total amount of material used at the Centre for the treatment of Haemophilia B (Christmas Disease) patients who have anti-factor IX antibodies (i.e. excluding materials supplied for home treatment - see Form A(2a)).

NIL

Type of Material Used	Total Amount Used during 1977*	
	Bottles etc.	Factor IX Units
NHS Factor IX Concentrate		
Commercial Factor IX		
Other Materials (please specify)		

Comment:

*Please enter the factor IX units of activity; if this information is not available, please enter the number of bottles etc. used.

Survey of Patients Treated at Haemophilia Centres in the U.K.

Annual Return for 1977 - Carriers of Haemophilia or Christmas Disease

Centre: EDINBURGH

Total number of Carriers of Haemophilia treated during the year*: NIL

Total number of Carriers of Christmas Disease treated during the year**: NIL

Material(s) used to treat these patients:-

Type of Material Used	No. of bottles etc. used	Amount used (units of activity)	
		F. VIII Units	F. IX Units
Plasma			
Cryoprecipitate			
NHS Human Factor VIII Concentrate			
Abbott Factor VIII Concentrate			
Armour Factor VIII Concentrate			
Cutters Factor VIII Concentrate			
Hyland Factor VIII Concentrate			
Immuno Factor VIII Concentrate			
Other Human Factor VIII Concentrate***			
Bovine/Porcine Factor VIII Concentrate			
NHS Factor IX Concentrate			
Commercial Factor IX Concentrate***			
Other Materials (please specify)			

* Please supply details on Form A(5)

** Please supply details on Form A(6)

*** Please give name of manufacturer and/or trade name of product.

The Royal Infirmary of Edinburgh

PN 106

EDINBURGH EH3 9YW

Dr. S. H. DAVIES
Consultant Haematologist

DEPARTMENT of HAEMATOLOGY

Please quote

Our ref: SHD/PG

Your ref:

Telephone: 031-229-2477

Dept. Exts. 2277 : 2244 : 2499

Dr. Davies' Ext. GRO-C

11th July, 1978.

Miss R.J.D. Spooner,
Research Assistant,
Oxford Haemophilia Centre,
Churchill Hospital,
Headington,
Oxford, OX3 7LJ.

Dear Jean,

Herewith the Hepatitis Survey forms C and C3 for GRO-A completed as fully as possible. The story, which I have now checked, is that he attended his general practitioner in May, 1977 with regard to dental treatment, and was noted to be asymptomatic and jaundiced. He was otherwise well. Blood was sent to the Virus Reference Laboratory, and gave an unequivocally positive test for serum hepatitis antigen, both by Tanned cell haemagglutination^{inhibition} assay and by RIA. It was decided that his dental treatment was not important, and nothing more should be done. Unfortunately he is a poor attender at the Haemophilia Centre, and his general practitioners, and it has not been possible to obtain further blood samples, but he is known to be well. I hope to see him one of these days to re-check him. We know that he was antigen negative in June, 1977 before he was given factor VIII (cryo and Edinburgh dried concentrate) to cover his dental extractions at that time.

With reference to Mrs. GRO-A (d.o.b. GRO-A 16), she had 1,820 units of cryo for her D. & C. (von Willebrand's disease patient). ✓

GRO-A's (d.o.b. GRO-A 75) basic factor IX level is 14%. This agrees well with his uncle's level which you already have. ✓

I hope you enjoyed your stay. We were pleased to have you.

Yours sincerely,

GRO-C

S.H. Davies,
Consultant Haematologist.

Files to see

9027

C.D.: ✓ GRO-A GRO-A 65
✓ GRO-A GRO-A 74

V.W.: ✓ GRO-A ^m GRO-A GRO-A 16
GRO-A - notes in Skinnis

H: ✓ GRO-A
✓ GRO-A < 1 GRO-A 61
✓ GRO-A
✓ GRO-A < 1% GRO-A 41
GRO-A
✓ GRO-A } ? from Aberdeen
GRO-A } - Glasgow } visitors
✓ GRO-A ^H
GRO-A ? v in level 24% 53 patients (2 no dose)

HT 39,200 4,200 83,180 126,580

11/1

✓
636,510 187,766 83,630 907,906
~~637,600~~ ~~824,226~~
907,906 907,906

Haemophilia A Patients Treated by R.I.E. During 1977

Name

Factor VIII Units

At Hospital

For HT

Total

Comment

brgs.

bone

3,570

~~5,180~~

5,180

-

8,750

11,340

1,160

-

12,500

49,350

160

-

49,510

NIL

-

15,600

-

15,600

50,680

1,780

-

52,460

68,110

-

-

68,110

40,810

13,020

-

53,830

Dent. exch.

11,480

-

-

11,480

Inhib. <10/ml.
14.12.76

8,190

-

-

8,190

6,090

15,840

-

21,930

Dent. exch.

1,400

-

13,450

14,850

23,940

1,400

-

25,340

4,200

630

-

4,830

Dent. exch.

7,560

-

-

7,560

Inhib.
28.3.77 21.4.77
Hemex of Inhib.

-

20,960

-

20,960

16,660

7,920

-

24,580

Dent. exch.

7,560

-

-

7,560

3,990

-

-

3,990

-

630

-

630

Variter

420

-

-

420

Variter

19,320

-

-

19,320

-

35,240

-

35,240

Ap.

1,190

1,580

-

2,770

Dent. exch.

3,640

-

6,840

10,480

4,760

300

-

5,060

1,610

-

-

1,610

13,440

630

-

14,070

7,210

400

14,160

21,770

6,860

9,760

-

16,620

Inhib.

840

-

-

840

Inhib.

11,060

1,500

-

12,560

9,800

690

-

10,490

15,540

12,390

-

27,930

35,630

1,130

-

36,760

21,840

1,430

-

23,270

24,430

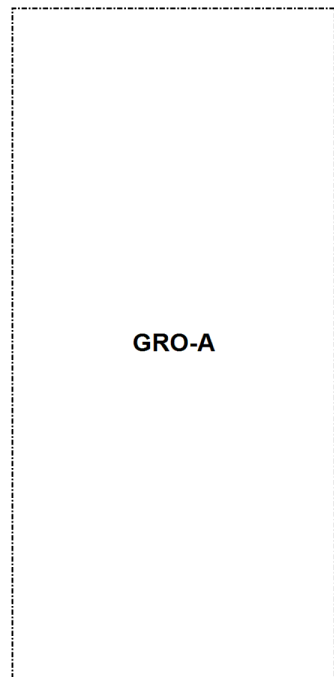
-

-

24,430

GRO-A

Haemophilia A (cont.)



GRO-A

	Factor VIII Units		For HT	Total	
	At Hospital	Home.			
	Days				
	-	780	-	780	Visitor
	-	19,946	-	19,946	Dent. extr. x2
	560	1,020	22,300	23,880	
	5,040	-	-	5,040	
	7,070	3,150	-	10,220	Inhib.
	12,740	-	2,520	15,260	
	13,650	2,780	23,910	40,340	
	-	260	-	260	Visitor
	10,500	-	450	10,950	HT for Hols. only
	420	-	-	420	
	9,100	1,050	-	10,150	
	22,260	1,820	-	24,080	
	CYCLOKAPRON ONLY				Inhib.
	9,800	-	-	9,800	
	30,030	7,630	-	37,660	
	22,820	-	-	22,820	
TOTAL (53)	636,510	187,766	83,630	907,906	
7a Patients on Regular HT (6)	39,200	4,200	83,180	126,580	
Average per HT patient				21,000	

Annual Returns for 1977

Form A(2)

Centre: Edinburgh

Haemophilic (Haemophilia A) Patients treated during the year:-

Full Name of Patient	Date of Birth	Basic Factor VIII Level %	Inhibitor Present*	Jaundiced in 1977/8*	On Regular Home Therapy from your Centre*	Type of Material(s) received during 1977 (please tick (✓) appropriate columns)													
						Plasma	Cryo	Oxford F. VIII	Elstree F.VIII	Edin. F.VIII	Profilate	Factorate	Koate	Hemofil	Kryobulin	Other Human F.VIII concs.	Bovine	Porcine	Other materials
GRO-A	GRO-A	0.63	<1				✓				✓								
		48	<1				✓				✓								
		62	<1				✓				✓								
		7.20	3								✓	14							
		52	3								✓								
		65	<1				✓				✓								
		62	<1			(1974)	✓												
		61	<1				✓				✓								
		20	9.6				✓												
		60	<1	<1 u/ml 14.12.76			✓												
* Please enter "Yes" where appropriate																			

* Please enter "Yes" where appropriate

Annual Returns for 1977

Form A(2)

2

Centre: *Edinburgh*

Haemophilic (Haemophilia A) Patients treated during the year:-

Full Name of Patient	Date of Birth	Basic Factor VIII Level %	Inhibitor Present*	Jaundiced in 1977/8*	On Regular Home Therapy from your Centre*	Type of Material(s) received during 1977 (please tick (✓) appropriate column(s))														
						Plasma	Cryo	Oxford F. VIII	Elstree F.VIII	Edin. F.VIII	Profilate	Factorate	Koate	Hemofil	Kryobulin	Other Human F.VIII concs.	Bovine	Porcine	Other materials	
GRO-A		2.52	< 2				✓			✓										
		.52	< 1			✓	✓			✓										
	GRO-A	.46	< 1				✓			✓										
		.68 ²	24				✓			✓										
		37	< 1		✓		✓													
		39																		
		DIEN GRO-A 78	< 1		21.4.77 nil 18.9.77	} all 1977 treatment prior to 21.4.77				✓										
		GRO-A	.68	< 1				✓			✓									
			25	24				✓												
		.66	10				✓													
		27	0		(Visitor from Glasgow)					✓										

* Please enter "Yes" where appropriate

* Please enter "Yes" where appropriate

Annual Returns for 1977

Form A(2)

3

Centre: Edinburgh

Haemophilic (Haemophilia A) Patients treated during the year:-

Full Name of Patient	Date of Birth	Basic Factor VIII Level %	Inhibitor Present*	Jaundiced in 1977/8*	On Regular Home Therapy from your Centre*	Type of Material(s) received during 1977 (please tick (✓) appropriate column(s))													
						Plasma	Cryo	Oxford F. VIII	Elstree F.VIII	Edin. F.VIII	Profilate	Factorate	Koate	Hemofil	Kryobulin	Other Human F.VIII concs.	Bovine	Porcine	Other materials
GRO-A	GRO-A	73	<2	Visitor from Manchester			✓												
		47	<1				✓												
		55	<2							✓									
		33	3.3				✓			✓									
		84	<2		} sometimes split	✓	✓			✓									
		44	<2			✓													
		47	<1			✓													
		41	3			✓													
		51	<2			✓			✓										
		46	<1	✓				✓			✓								

* Please enter "Yes" where appropriate

* Please enter "Yes" where appropriate

Annual Returns for 1977

Form A(2)

4

Centre: Edinburgh

Haemophilic (Haemophilia A) Patients treated during the year:-

Full Name of Patient	Date of Birth	Basic Factor VIII Level %	Inhibitor Present*	Jaundiced in 1977/8*	On Regular Home Therapy from your Centre*	Type of Material(s) received during 1977 (please tick (✓) appropriate column(s))														
						Plasma	Cryo	Oxford F. VIII	Elstree F.VIII	Edin. F.VIII	Profilate	Factorate	Koate	Hemofil	Kryobulin	Other Human F.VIII concs.	Bovine	Porcine	Other materials	
GRO-A	GRO-A	26	<1	✓			✓													
		41	<1				✓		✓											
		34	<1				✓		✓											
		67	<1				✓		✓											
							✓													
		50	<1				✓		✓											
		33	<1				✓		✓											
		60	<2				✓													
		69	<1	Visitor						✓										
		245	51			✓														
* Please enter "Yes" where appropriate																				

* Please enter "Yes" where appropriate

Annual Returns for 1977

Form A(2)

5

Centre: Edinburgh

Haemophilic (Haemophilia A) Patients treated during the year:-

Full Name of Patient	Date of Birth	Basic Factor VIII Level %	Inhibitor Present*	Jaundiced in 1977/8*	On Regular Home Therapy from your Centre*	Type of Material(s) received during 1977 (please tick (✓) appropriate column(s))													
						Plasma	Cryo	Oxford F. VIII	Elstree F. VIII	Edin. F. VIII	Profilate	Factorate	Koate	Hemofil	Kryobulin	Other Human F. VIII concs.	Bovine	Porcine	Other materials
GRO-A	GRO-A	1.73	<1							✓									
		1.60	<1			✓		✓		✓									
		1.57	3.5					✓											
		1.61	<1	✓				✓		✓									
		1.43	<1			✓		✓		✓									
1.42		<1			✓		✓		✓										
1.42		2	Visitor from Manchester						✓										
1.70		<1			For Pubs only		✓		✓										
1.58		6			(May 1976)		✓												
GRO-A		1.61	5				✓		✓										
* Please enter "Yes" where appropriate																			

* Please enter "Yes" where appropriate

6

Haemophilic (Haemophilia A) Patients treated during the year:-

HCD00002460_0017

Annual Returns for 1977

Form A(3)

Centre: Edinburgh

Christmas Disease (Haemophilia B) patients treated during the year:-

Full Name of Patient	Date of Birth	Basic Factor IX Level %	Inhibitor Present*	Jaundiced in 1977/8*	On Regular Home Therapy from your Centre*	Type of Material Received during 1977 (please tick (✓) appropriate column)				
						Plasma	Oxford F.IX	Edin. F.IX	Other F.IX concs.	Other Materials
GRO-A	GRO-A	6.62	18				NIL		(2 toothache)	
		4.5	2		✓			✓		
		7.4	3					✓		
		7.2	3					✓		
		4.9	7.6					✓		
		5.8	9					✓		
		4.5	<1		✓			✓		
		6.5	3	(moving to Inverness in June 1977)				✓		
		7.4	3					✓		
		14	14					✓		
* Please enter "Yes" where appropriate										

Christmas Disease Patients Treated by R.I.E. During 1977

Name	Factor IX At Hospital	Units For HT	Total	Comment
GRO-A		NIL		Toothache
	1,200	9,000	10,200	
	900	-	900	
	600	-	600	
	20,400	-	20,400	Hernia op.
	5,100	-	5,100	
	3,300	24,600	27,900	
	3,300	-	3,300	Moved to Inverness
	1,500	-	1,500	Treated in Falkirk
	3,900	-	3,900	
TOTAL	40,200	33,600	73,800	
For patients on HT (2)	4,500	33,600	38,100	
Average per HT patient			19,050	

GRO-A

v W

In-Patient

Sent. Extr.

buys

bone,
vials units

28

4 1400

"On Demand"

buys

bone, (units)

8

450

Total units

buys

2,310

bone,

1,400

3,710

GRO-A

1,820 units buys.

Total for v W :

buys

4,130

bone,

1,400

5,530

GRO-A

In. Patient

	buys	banc.	Units
Sent.	12 ✓	14 ✓	3360 ✓
act.	12 ✓	8 ✓	1920 ✓
	24 ✓	12 ✓	2880 ✓
	10 ✓	4 ✓	960 ✓
	10 ✓	8 ✓	1920 ✓
	10 ✓	8 ✓	1920 ✓
	4 ✓	4 ✓	960 ✓
	8	8	1920 ✓
	78		15,840

"On Demand"

buys
9 30/9

Total Units

buys	6,090
banc.	15,840
	21,930

✓

178

GRO-A

? 3.1x level

In-Patient

1x bone.

18.1.76 7.4%

Viol. Unit

9 2700

4 1200

3,900

✓

GRO-A

In GRO-A 39

2.1x

11% (Eden.)

2-3% (Dundee)

Treated in Dundee with 1x bone. Sept-Oct. 1977

Sept. 600 units

Oct: ?

No treatment in Eden in 1977

56% ✓ - pie