EXPERTS

## FURTHER SUPPLEMENTAL BRIEF FOR EXPERTS ON PAEDIATRIC SURGERY

#### ADAM STRAIN

#### Introduction

1. Thank you for your previous reports in respect of Adam Strain. The Inquiry Team would be grateful for your comment on opinion on the following issues:

#### Ligation of the left internal jugular vein

- 2. It has been suggested that a contributor to Adam's fatal cerebral oedema may have been obstruction to venous drainage from the brain. This is based on the following:
  - (1) The central venous cannula inserted into the right subclavian vein at induction for his transplant was situated in the right internal jugular vein and may have been obstructed, giving unusually high CVP readings.
  - (2) Dr Alison Armour, the pathologist who conducted Adam's autopsy, stated in her report that "there was a suture in situ on the left side of the neck at the junction of the internal jugular vein and the subclavian vein" and "there was no evidence of congestion or obstruction of the major blood vessels or the carotid arteries or jugular veins". (Ref: 059-039-089) She stands by that view in her Inquiry Witness Statement (Ref: WS-012-01, p.2).

### 3. The Trust has stated that:

"there is [...] no evidence the IJV [internal jugular vein] was ligated in RBHSC. The commentary section of the post mortem report is the only place where it is stated that the IJV is ligated. Ligation is not mentioned in the section on internal examination of the neck." (INQ-0176-10, also INQ-131-05 – letter dated 26<sup>th</sup> April 2005)

4. In addition, the Trust has stated that:

"... in the 1980s and early 1990s it would have been considered standard practice in RBHSC to ligate the internal jugular vein during insertion of a Broviac or Hickman central venous catheter. In the early 1990s a new technique was introduced whereby the common facial vein was used in order to preserve the patency of the IJV. The typed theatre note of 29/5/92 clearly states that the common facial vein was used, thereby by definition preserving the left IJV. [...] The removal of the [Broviac] line is a relatively simple procedure which would not have required exploration of the neck. The Broviac line is removed by traction at the exit site (in this case left anterior chest wall.) The anaesthetic record (057-077) shows total anaesthetic time of 20 minutes. This would not

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allow time for an unrecorded surgical exploration of the neck with ligation of the IJV." (INQ-0176-10)

5. Please find attached a schedule of Adam's surgical procedures. As a guide, your attention is drawn to the following operations involving the insertion of a central and/or Broviac line:

DATE	PROCEDURE	SURGEON(S)	REFERENCE
23-11- 1991	Ureteric reimplantation and insertion of suprapubic catheter	Stephen Brown	Medical Notes 049-029-081
28-11- 1991	Laparotomy, T tube drainage of ureters and insertion of peritoneal dialysis cannula	Stephen Brown	Consent Form 049-034-235 Operation Note 050-021-060 Anaesthetic Record 049-028-073
08-12- 1991	Cystoscopy, laparotomy and left nephrostomy, Insertion of Broviac Line	Victor Boston	Consent Form 049-034-237 Operation Note 050-008-031 Medical Notes 049-029-097 Anaesthetic Record 049-026-063
28-12- 1991	Insertion of Central Line	Refsum Roy McConnell	Operation Note 050-015-047 Medical Notes 050-023-073 Anaesthetic Record 049-006-013
29-05- 1992	Insertion of Broviac line, Cystoscopy and Retrograde Pyelogram	W.A. McCallion Stephen Brown RJ Stewart	Operation Note 053-015-052 Medical Notes 054-057-131
09-02- 1995	Removal of Broviac line	Saad	Consent Form 057-114-335 Medical Notes 057-102-189 Anaesthetic Record 057-077-141

## Requirements

- 6. The Inquiry team would like you to examine Adam's schedule of surgical procedures, and the relevant notes and records if necessary, and comment on whether there was any previous occasion during which a suture was likely to have been placed in Adam's left internal jugular vein.
- 7. In particular, the Inquiry would like you to address the following queries, having regard to Adam's previous surgical procedures:
  - (1) Why Dr. Armour might have seen "a suture in situ on the left side of the neck at the junction of the internal jugular vein and the subclavian vein" and when it was likely to have been placed.
  - (2) In the light of the note of the procedure on 29<sup>th</sup> May 1992 and the witness statements of those involved in it (McCallion (WS-232/1), Brown (WS-

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007/4) and Stewart (WS-228/1), how likely it was that a mistake could have been made between the left common facial vein and the left internal jugular vein.

- (3) How likely it would be that the suture referred to in the note of the procedure on 1992, the left common facial vein is noted as being ligated with *"5 x O PDS"*, would still be in existence in November 1995?
- (4) Dr Mary O'Connor in her witness statement to the Inquiry (WS-014-1 Answer to Q2) states:

"I assumed that [Adam] may have had one of his external jugular veins tied off as this was common practice at the time of insertion of central lines in RBHSC in 1995."

Was it common practice in 1995 when central lines were being inserted for one of the external jugular veins to be tied off?

- 8. The Inquiry team would like you to examine Adam's medical notes and records and consider:
  - (1) What, if anything, would have been of:
    - (i) relevance and/or
    - (ii) necessity

for Mr Keane to have seen before commencing his surgery

(2) Please provide a full explanation to your answer at (1) above

## Attached documents

- 9. The following documents are attached for your assistance:
  - (1) Adam's schedule of surgical procedures and admissions
  - (2) Adam's medical notes and records (Files 49-58)

### Conclusion

- 10. It is of fundamental importance that the Inquiry receives a clear and reasoned opinion on these issues.
- 11. Your assistance on the Inquiry's requirements should be provided in the form of an Expert's Report (please reference if necessary).

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Č.	DATE	PROCEDURE	SURGEON(S)	ANAESTHETIST(S)	REFERENCE
1	23-11-1991	Ureteric reimplantation and insertion of suprapubic catheter	Stephen Brown	Unknown	Medical Notes 049-029-081
1	28-11-1991	Laparotomy, T tube drainage of ureters and insertion of peritoneal dialysis cannula	Stephen Brown	Gallagher	Consent Form 049-034-235 Operation Note 050-021-060 Anaesthetic Record 049-028-073
2	08-12-1991	Cystoscopy, Japarotomy and left nephrostomy, Insertion of Broviac Line	Victor Boston	Peter Crean	Consent Form 049-034-237 Operation Note 050-008-031 Medical Notes 049-029-097 Anaesthetic Record 049-026-063
3	20-12-1991	Trans uretero-ureterostomy left to right	Stephen Brown Robert Gilliland	Robert Taylor Kelly	Consent Form 049-034-236 Operation Note 050-008-035 Medical Notes 049-029-088 Anaesthetic Record 049-013-024
4	24-12-1991	Laparotomy	Stephen Brown	Robert Taylor McCarthy	Consent Form 049-011-023 Medical Notes 050-023-071 Anaesthetic Record 049-009-019
b	28-12-1991	Insertion of Central Line	Refsum Roy McConnell	Browne	Operation Note 050-015-047 Medical Notes 050-023-073 Anaesthetic Record 049-006-013
7	28-01-1992	Endoscopy, removal of suprapubic catheter and insertion of Foley catheter	Stephen Brown Mark Dalzell	T. Auterson	Consent Form 050-036-299 Medical Notes 050-023-084 Anaesthetic Record 050-005-006
8	25-02-1992	Cystoscopy & pH studies	Stephen Brown	Robert Taylor	Consent Form 050-036-299 Medical Notes 052-023-046 Anaesthetic Record 050-020-058
9	16-03-1992	Fundoplication	RJ Stewart	Gallagher	Consent Form 050-030-288 Medical Notes 052-023-051 Operation Notes 050-008-033
10	29-05-1992	Insertion of Broviac line, Cystoscopy and Retrograde Pyelogram	W.A. McCallion Stephen Brown RJ Stewart	Peter Crean McCarthy	Operation Note 053-015-052 Medical Notes 054-057-131
11	05-06-1992	Insertion of urinary catheter and ultrasound investigation of renal tract	Stephen Brown	McCarthy	Consent Form 053-002-002 Medical Notes 054-057-134 Anaesthetic Record 053-012-042
12	01-12-1992	Upper endoscopy	Mark Dalzell	Gallagher	Consent Form 054-007-017 Medical Notes 054-057-149 Anaesthetic Record 054-039-091
13	08-02-1993	Cystoscopy	Stephen Brown	Gallagher	Consent Form 055-056-241 Medical Notes 055-058-108 Anaesthetic Record 054-027-065
14	21-04-1993	Cystoscopy & Retrograde Pyelogram and Insertion of PEG tube	Victor Boston Misra	Peter Crean	Consent Form 055-056-242 Medical Notes 055-053-120 Operation Note 055-046-093
15	16-09-1993	Gastroscopy	Dalzell	McAllister	Consent Form 055-005-007 Medical Notes 055-053-129 Anaesthetic Record 055-032-060
16	23-03-1994	PEG gastrostomy and CAPD catheter insertion	Victor Boston	Peter Crean Boyd	Consent Form 056-041-151 Medical Notes 056-037-088 Operation Note 055-010-017 Anaesthetic Record 055-013-023
(	24-08-1994	Insertion of Peritoneal Dialysis line	Victor Boston Chew	Kielty Darling	Consent Form 056-041-152 Medical Notes 057-102-181 Anaesthetic Record 056-021-042

# SCHEDULE OF ADAM STRAIN'S SURGICAL PROCEDURES

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( 17	09-02-1995	Removal of Broviac line	Saad		Consent Form 057-114-335 Medical Notes 057-102-189 Anaesthetic Record 057-077-141
18	09-07-1995	Removal of gastrostomy tube & reinsertion of new tube	Kealy	Fenelon	Consent Form 057-114-333 Medical Notes 058-033-119 Anaesthetic Record 057-028-047
19	21-09-1995	Reinsertion of gastrostomy	Acton	Loan	Consent Form 058-114-334 Medical Notes 058-035-127 Anaesthetic Record 058-031-102
20	18-10-1995	Insertion of Gastrostomy corpak button & left orchidopexy	Syrana	Loan	Consent Form 058-039-184 Medical Notes 058-035-125 Anaesthetic Record 058-025-069
21	27-11-1995	Kidney Transplant		Robert Taylor Terence Montague	Consent Form 058-039-185 Medical Notes 058-035-134 Anaesthetic Record 058-003-007

## SCHEDULE OF ADAM STRAIN'S SURGICAL PROCEDURES

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# KEY

Day Admission

Admission Date

Period in Hospital

Discharge Date

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							Cystoscopy, laparotomy, left nephrostomy, Central line Surgeon: Mr Boston Anaesthetist: Dr Crean	Moved to Musgrave Clinic, RBHSC											Trans uretero-ureterostomy left to right Surgeon: Mr Brown, Mr Sillland Aneesthetist: Dr Taylor, Dr Kelly	Moved to Musgrave Clinic, REHSC			Laparotomy Surgeon: Mr Brown Anaesthetist: Dr Taylor, Dr McCarthy				Insertion of Central Line Surgeon: Mits Refsum, Dr R McConnell Anaesthetist: Dr Browne			
Dec-1991	01/12/1991	02/12/1991	03/12/1991	04/12/1991	05/12/1991	07/12/1991		09/12/1991	10/12/1991	11/12/1991	12/12/1991	13/12/1991	14/12/1991	15/12/1991	16/12/1991	17/12/1991	18/12/1991	19/17/1991	20/12/1991	21/12/1991	22/12/1991	23/12/1991	24/12/1991	25/12/1991	26/12/1991	27/12/1991	28/12/1991	29/12/1991	30/12/1991	31/12/1991
																						Ureteric Implantation with suprapulo cather insertion. Surgeon: Mr Brown (Procedure took place at Utster Hosp)			Admitted to Musgrave Ward, RBHSC	and the second second second	Leparotomy, T tube drainage of ureters & insertion of peritoneal dialysis cannula Surgeon: Mr Brown Anaesthetist: Dr Gallagher	「「「「「「「」」」」」		
Nov-1991	01/11/1991	02/11/1991	03/11/1991	04/11/1991	05/11/1991	07/11/1991	08/11/1991	09/11/1991	10/11/1991	11/11/1991	12/11/1991	13/11/1991	14/11/1991	15/11/1991	16/11/1991	17/11/1991	18/11/1991	10/11/1001	20/11/1991	21/11/1991	22/11/1991	23/11/1991	24/11/1991	25/11/1991	26/11/1991	27/11/1991	28/11/1991	29/11/1991	30/11/1991	
														Emergency Admission to Musgrave Ward, RBHSC Management of Renal Failure	The second second second		Discharged to UHD													
Oct-1991	01/10/1991	02/10/1991	03/10/1991	04/10/1991	05/10/1991	07/10/1991	08/10/1991	09/10/1991	10/10/1991	11/10/1991	12/10/1991	13/10/1991	14/10/1991	15/10/1991	16/10/1991	17/10/1991	18/10/1991	10/10/1001	20/10/1991	21/10/1991	22/10/1991	23/10/1991	24/10/1991	25/10/1991	26/10/1991	27/10/1991	28/10/1991	29/10/1991	30/10/1991	31/10/1991
			Renal Clinic																											
Sep-1991	01/09/1991	02/09/1991	03/09/1991	04/09/1991	05/09/1991	07/09/1991	08/09/1991	09/09/1991	10/09/1991	11/09/1991	12/09/1991	13/09/1991	14/09/1991	15/09/1991	16/09/1991	17/09/1991	18/09/1991	10/00/1001	20/09/1991	21/09/1991	22/09/1991	23/09/1991	24/09/1991	25/09/1991	26/09/1991	27/09/1991	28/09/1991	29/09/1991	30/09/1991	
		_		Adam Strain born							Day Attendance - Management of Renal Failure																			
Aug-1991	01/08/1991	02/08/1991	03/08/1991	04/08/1991	05/08/1991	07/08/1991	08/08/1991	09/08/1991	10/08/1991	11/08/1991	12/08/1991	13/08/1991	14/08/1991	15/08/1991	16/08/1991	17/08/1991	18/08/1991	10/08/1001	20/08/1991	21/08/1991	22/08/1991	23/08/1991	24/08/1991	25/08/1991	26/08/1991	27/08/1991	28/08/1991	29/08/1991	30/08/1991	31/08/1991

31/07/1992 Day Admission to Musgrave Ward Renal Clinic Renal Clinic 18/07/1992 19/07/1992 23/07/1992 24/07/1992 01/07/1992 02/07/1992 03/07/1992 2661/10/10 09/07/1992 10/07/1992 11/07/1992 12/07/1992 14/07/1992 15/07/1992 17/07/1992 20/07/1992 21/07/1992 /07/1992 5/07/1992 30/07/1992 08/07/1992 Jul-1992 05/07/1992 13/07/1992 26/07/1992 28/07/1992 29/07/1992 4/07/1992 06/07/1992 16/07/1992 Insertion of uniary catheter and investigation of renal tract (uss) Surgeon: Mr Brown Anaesthetist: Dr McCarthy Discharged from Musgrave Ward, RBHSC enal Clinic 18/06/1992 19/06/1992 22/06/1992 23/06/1992 24/06/1992 02/06/1992 03/06/1992 09/06/1992 10/06/1992 11/06/1992 12/06/1992 14/06/1992 15/06/1992 26/06/1992 30/06/1992 08/06/1992 13/06/1992 17/06/1992 27/06/1992 Jun-1992 04/06/1992 06/06/1992 20/06/1992 21/06/1992 9/06/1992 01/06/1992 5/06/1992 07/06/1992 16/06/1992 5/06/1992 8/06/1992 Insertion Broviac Line, Cystoscopy & Retrograde Dyelogram, Mrr McCallion, Mr R. J Surgeons: Mr McCallion, Mr R. J Surgeons: Mr S Brown Anaesthetist: Dr McCarthy, Dr Anaesthetist: Dr McCarthy, Dr Crean Discharged from Musgrave Ward, RBHSC Renal Clinic Admitted to Musgrave Ward, RBHSC Admitted to Musgrave Ward, RBHSC ent of Renal Failure Discharged from Musgrave RBHSC 1/05/1992 09/05/1992 10/05/1992 11/05/1992 12/05/1992 13/05/1992 22/05/1992 23/05/1982 24/05/1992 9/05/1992 31/05/1992 08/05/1992 16/05/1992 19/05/1992 30/05/1992 May-1992 11/05/1992 04/05/1992 05/05/1992 06/05/1992 07/05/1992 4/05/1992 17/05/1992 8/05/1992 20/05/1992 5/05/1992 26/05/1992 (05/1992 8/05/1992 Admitted to Musgrave Ward, RBHSC Management of Renal Failure Admitted to Musgrave Ward, RBHSC Management of Renal Failure Discharged from Musgrave Ward, RBHSC Discharged from Musgrave Ward, RBHSC 07/04/1992 09/04/1992 10/04/1992 11/04/1992 12/04/1992 14/04/1992 17/04/1992 19/04/1992 1/04/1992 22/04/1992 23/04/1992 24/04/1992 26/04/1992 30/04/1992 02/04/1992 03/04/1992 6/04/1992 08/04/1992 13/04/1992 Apr-1992 1/04/1992 04/04/1992 0/04/1992 9/04/1992 15/04/1992 5/04/1992 28/04/1992 16/04/1992 8/04/1992 04/1992 Fundopfication Surgeon: R J Stewart Anaesthetist: Dr Gallagher Moved to Barbour Ward, 02/03/1992 03/03/1992 08/03/1992 09/03/1992 10/03/1992 11/03/1992 12/03/1992 13/03/1992 14/03/1992 15/03/1992 9/03/1992 /03/1992 /03/1992 /03/1992 /03/1992 Mar-1992 1/03/1992 04/03/1992 06/03/1992 03/1992 7/103/1992 16/03/1992 7/03/1992 1/03/1992 5/03/1992 6/03/1992 03/1992 8/03/1992 /03/1992 0/03/1992 31/03/1992 15/03/1992 Cystoscopy, & pH studies Surgeon: Mr Brown Anaesthellst: Dr Taylor //02/1992 //02/1992 //02/1992 09/02/1992 0/02/1992 11/02/1992 2/02/1992 14/02/1992 18/02/1992 -eb-1992 102/1992 02/02/1992 03/02/1992 04/02/1992 5/02/1992 07/02/1992 08/02/1992 13/02/1992 6/02/1992 20/02/1992 1/02/1992 102/1992 8/02/1992 3/02/1992 7/02/1992 28/02/1992 05/02/1992 02/1992 Endoscopy - Dr Dazell Removal suprapublic catheter, Insertion of Foley Catheter 2 Surgeon: Mr Brown Anaesthetist: Dr Autorson 31/01/1992 Jan-1992 /1992 /01/1992 /01/1992 4/01/1992 01/1992 01/1992 2661/10 1992 1992 992 3/01/1992 101/1992 1992 01/1992 01/1992 /1992 15/01/1992 6/01/1992 992 1/1992 992 /1992 1/1992 11992 0/01/1992

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	Upper Endoscopy Surgeon: Dr Dazell Angesthetist: Dr Gallacher		State of the state	Discharged from Musgrave Ward, RBHSC										Renal Clinic				Renal Clinic												
Dec-1992	01/12/1992 Surg		03/12/1992	04/12/1992 Disc	05/12/1992	06/12/1992	07/12/1992	08/12/1992	09/12/1992	10/12/1992	12/12/1992	13/12/1992	14/12/1992	15/12/1992 Ren	16/12/1992	17/12/1992	18/12/1992	19/12/1992 Ren	20/12/1992	21/12/1992	22/12/1992	23/12/1992	24/12/1992	25/12/1992	26/12/1992	27/12/1992	28/12/1992	29/12/1992	30/12/1992	31/12/1992
										Renal Clinic														Renal Clinic	Admitted to Muzgrave Ward, RBHSC					
Nov-1992	01/11/1992	02/11/1992	03/11/1992	04/11/1992	05/11/1992	06/11/1992	07/11/1992	08/11/1992	1	10/11/1992	12/11/1992	13/11/1992	14/11/1992	15/11/1992	16/11/1992	17/11/1992	18/11/1992	19/11/1992	20/11/1992	21/11/1992	22/11/1992	23/11/1992	24/11/1992	25/11/1992	26/11/1992	27/11/1992	28/11/1992	29/11/1992	30/11/1992	
												Renal Clinic							Emergency Admission to Musgrave Ward, RBHSC Management of Renal Failure		Sales of the second second	A STATE OF A					Discharged from Musgrave Ward, RBHSC			
Oct-1992	01/10/1992	02/10/1992	03/10/1992	04/10/1992	05/10/1992	06/10/1992	07/10/1992	08/10/1992	09/10/1992	11/10/1992	12/10/1992	13/10/1992	14/10/1992	15/10/1992	16/10/1992	17/10/1992	18/10/1992	19/10/1992	20/10/1992	21/10/1992	22/10/1992	23/10/1992	24/10/1992	25/10/1992	26/10/1992	27/10/1992	28/10/1992	29/10/1992	30/10/1992	31/10/1992
							1	Renal Clinic							Renal Clinic															
Sep-1992	01/09/1992	02/09/1992	03/09/1992	04/09/1992	05/09/1992	06/09/1992	07/09/1992	08/09/1992	09/09/1992	11/09/1992	12/09/1992	13/09/1992	14/09/1992	15/09/1992	16/09/1992	17/09/1992	18/09/1992	19/09/1992	20/09/1992	21/09/1992	22/09/1992	23/09/1992	24/09/1992	ic 25/09/1992	26/09/1992	27/09/1992	28/09/1992	29/09/1992	30/09/1992	
2	~																							Renal Clinic						
Aug-1992	01/08/1992	02/08/1992	03/08/1992	04/08/1992	05/08/1992	06/08/1992	07/08/1992	08/08/1992	09/08/1992	10/08/1992	12/08/1992	13/08/1992	14/08/1992	15/08/1992	16/08/1992	17/08/1992	18/08/1992	19/08/1992	20/08/1992	21/08/1992	22/08/1992	23/08/1992	24/08/1992	25/08/1992	26/08/1992	27/08/1992	28/08/1992	29/08/1992	30/08/1992	31/08/1992

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Jan-1993	Feb-1993		Mar-1993		Apr-1993		May-1993	-	Jun-1993	
01/01/1993	01/02/1993		01/03/1993		01/04/1993		01/05/1993	_	01/06/1993	
02/01/1993	02/02/1993		02/03/1993		02/04/1993		02/05/1993	-	02/06/1993	
03/01/1993	03/02/1993		03/03/1993		03/04/1993		03/05/1993		03/06/1993	
04/01/1993	04/02/1993	5	04/03/1993		04/04/1993		04/05/1993	Admitted to Musgrave Ward, RBHSC Management of Renal Failure	04/06/1993	
05/01/1993	05/02/1993		05/03/1993		05/04/1993		05/05/1993	Discharged from Musgrave Ward, RBHSC	05/06/1993	
06/01/1993 Renal Clinic	06/02/1993		06/03/1993		06/04/1993		06/05/1993	-	06/06/1993	
07/01/1993	07/02/1993		07/03/1993		07/04/1993		07/05/1993	_	07/06/1993	
08/01/1993	08/02/1993	Cystoscopy Surgeon: Mr Brown Anaesthetist: Dr Gallagher	08/03/1993		08/04/1993		08/05/1993		08/06/1993	
09/01/1993	09/02/1993		09/03/1993		09/04/1993		09/05/1993	-	09/06/1993	
10/01/1593	10/02/1993	Admitted to Musgrave Ward, RBHSC Management of Renal Failure	10/03/1993		10/04/1993		10/05/1993		10/06/1993	
11/01/1993	11/02/1993		11/03/1993		11/04/1993		11/05/1993		11/06/1993	
12/01/1993	12/02/1993		12/03/1993		12/04/1993		12/05/1993		12/06/1993	
13/01/1993	13/02/1993		13/03/1993		13/04/1993		13/05/1993		13/06/1993	
14/01/1993	14/02/1993		14/03/1993		14/04/1993	Renal Clinic	14/05/1993		14/06/1993	
15/01/1993	15/02/1993	Discharged from Musgrave Ward, RBHSC	15/03/1993		15/04/1993		15/05/1993		15/06/1993	
16/01/1993	16/02/1993		16/03/1993		16/04/1993		16/05/1993		16/05/1993	l
17/01/1993	17/02/1993		17/03/1993		17/04/1993		17/05/1993		17/06/1993	Renal Clinic
18/01/1993	18/02/1993		18/03/1993		18/04/1993		18/05/1993		18/06/1993	
19/01/1993	19/02/1993		19/03/1993		19/04/1993		19/05/1993		19/06/1993	
20/01/1993	20/02/1993		20/03/1993		20/04/1993	Admitted to Musgrave Ward, RBHSC	20/05/1993	-	20/06/1993	
21/01/1993	21/02/1993		21/03/1993		21/04/1993	Insertion of PEG tube, Cystoscopy & RGP Surgeons: Mr Boston, Mr Misra Anaesthetist Dr Crean	and the second sec		21/06/1993	
22/01/1993	22/02/1993		22/03/1993		22/04/1993		22/05/1993		22/06/1993	
23/01/1993	23/02/1993		23/03/1993		23/04/1993		23/05/1993		23/06/1993	
24/01/1993	24/02/1993		24/03/1993		24/04/1993		24/05/1993		24/06/1993	
25/01/1993	25/02/1993		25/03/1993		25/04/1993	Discharged from Musgrave Ward, RBHSC	25/05/1993		25/06/1993	
26/01/1993 Nephrology Clinic	26/02/1993		26/03/1993		26/04/1993		26/05/1993		26/06/1993	
27/01/1993	27/02/1993		27/03/1993	Admitted to Musgrave Ward, RBHSC Management of Renal Failure	27/04/1993		27/05/1993		27/06/1993	
28/01/1993	28/02/1993		28/03/1993		28/04/1993		28/05/1993		28/06/1993	
29/01/1993			29/03/1993		29/04/1993		29/05/1993		29/06/1993	
30/01/1993			1	Discharged from Musgrave Ward, RBHSC Renal Cilnic	30/04/1993		30/05/1993		30/06/1993	Renal Clinic
31/01/1993			31/03/1993				31/05/1993			

	01/08/1993	2					2001-MON			
			01/09/1993		01/10/1993		01/11/1893		01/12/1993	
	11993		02/09/1993		02/10/1993	0	12/11/1993	Renal Clinic	02/12/1993	
	3/1993		03/09/1993		03/10/1993		03/11/1993		03/12/1993	
	04/08/1993		04/09/1993	-	04/10/1993	0	04/11/1993		04/12/1993	
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	06/08/1993	9	06/09/1993		06/10/1993	0	06/11/1993		06/12/1993	
	07/08/1993	2	07/09/1993		07/10/1993		07/11/1993		07/12/1993	
	08/08/1993	3	08/09/1993		08/10/1993	0	08/11/1993		08/12/1993	
09/02/1993	09/08/1993	3	09/09/1993		09/10/1993	0	09/11/1993		09/12/1993	2
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	11/08/1993		11/09/1993			11/11/1993	11/11/1993		11/12/1993	
	12/08/1993		12/09/1993		12/10/1993	Renal Clinic	12/11/1993		12/12/1993	
13/07/1993	13/08/1993 F	Admitted to Musgrave Ward, RBHSC Management of Renal Failure	13/09/1993		13/10/1993	F	13/11/1993		13/12/1993	
14/07/1993	14/08/1993	Discharged from Musgrave	14/09/1993		14/10/1993	Ŧ	14/11/1993		14/12/1993	Nephrology clinic
15/07/1993	15/08/1993		15/09/1993		15/10/1993		15/11/1993		15/12/1993	Admitted to Musgrave Ward, RBHSC Management of Renal Failure
				Day Admission to Musgrave ward, RBHSC						
16/07/1993	16/08/1993		16/09/1993	Gastroscopy Surgeon: Dr Dalzell Anaesthetist: Dr McAllister	16/10/1993		16/11/1993		16/12/1993	Discharged from Musgrave Ward, RBHSC
17/07/1993	17/08/1993		17/09/1993		17/10/1993		17/11/1993	Admitted to Musgrave Ward, RBHSC Management of Renal Failure	17/12/1993	
18/07/1993 18/08	18/08/1993		18/09/1993		18/10/1993		18/11/1993		18/12/1993	
	19/08/1993		19/09/1993		19/10/1993		19/11/1993	Discharged from Musgrave Ward, RBHSC	19/12/1993	
20/07/1993	20/08/1993		20/09/1993		20/10/1993		20/11/1993		20/12/1993	
21/07/1993	21/08/1993		21/09/1993		21/10/1993		21/11/1993		21/12/1993	
22/07/1993 22/08	22/08/1993		22/09/1993		22/10/1993		22/11/1993		22/12/1993	
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24/07/1993 24/08	8/1993		24/09/1993		24/10/1993		24/11/1993		24/12/1993	
25/07/1993	25/08/1993		25/09/1993		25/10/1993		25/11/1993		25/12/1993	
26/07/1993 26/08	26/08/1993		26/09/1993		26/10/1993		26/11/1993		26/12/1993	
27/07/1993	27/08/1993		27/09/1993		27/10/1993		27/11/1993		27/12/1993	
	8/1993		28/09/1993		28/10/1993		28/11/1993		28/12/1993	
Renal Clinic	29/08/1993		29/09/1993		29/10/1993		29/11/1993		29/12/1993	
30/07/1993 30/08	30/08/1993		30/09/1993		30/10/1993		30/11/1993		30/12/1993	
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Image: control Image:	03/01/1994	03	3/02/1994	30	3/03/1994		33/04/1994		03/05/1994		03/06/1994		03/07/1994	
Image: control in the contro	04/01/1994	04	1/02/1994	ŏ	4/03/1994	-	04/04/1994		04/05/1994		04/06/1994	2	04/07/1994	
Image: constraint of	05/01/1994	96	5/02/1994	10	5/03/1994		35/04/1994		05/05/1994		05/06/1994		05/07/1994	-
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Marticle Modicies	09/01/1994	30	9/02/1994	30	9/03/1994		09/04/1994		09/05/1994				09/07/1994	
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2302/1964 2300/1964 CVPD Catheter & Peq Caactrostom 2300/1964 2400/1964 240	22/01/1994	8	2/02/1994	2:			22/04/1994		22/05/1994		22/06/1994			Day Admission to Musgrave Ward, RBHSC Manoement of Renal Failure
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2502/1964 2503/1964 Dechanged from Musgrave Ward. 2500/1964 <th< td=""><td>24/01/1994</td><td>- <sup>5</sup></td><td>4/02/1994</td><td>Ň</td><td>4/03/1994</td><td></td><td>24/04/1994</td><td></td><td>24/05/1994</td><td></td><td>24/06/1994</td><td></td><td>24/07/1994</td><td></td></th<>	24/01/1994	- <sup>5</sup>	4/02/1994	Ň	4/03/1994		24/04/1994		24/05/1994		24/06/1994		24/07/1994	
2602/1954 2603/1964 2606/1964 2606/1964 2006/1964 2006/1964   27/02/1954 27/02/1954 27/02/1954 27/02/1954 26/06/1954 2006/1954   27/02/1954 27/02/1954 27/02/1954 27/02/1954 27/05/1954 27/05/1954   27/02/1954 28/02/1954 28/02/1954 28/02/1954 28/06/1954 28/06/1954   2002/1954 28/02/1954 28/02/1954 28/02/1954 28/06/1954 28/06/1954   2002/1954 28/02/1954 28/02/1954 28/02/1954 28/06/1954 28/06/1954	25/01/1994	5	5/02/1994	8					25/05/1994		25/06/1994		25/07/1994	
Image: 27/02/1994	26/01/1994	36	5/02/1994	3	6/03/1994				26/05/1994		26/06/1994		26/07/1994	
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2004/1994 2005/1994 2005/1994 2006/1994 2006/1994 2005/199	29/01/1094			0	9/03/1994	Γ	29/04/1994		29/05/1994		29/06/1994		29/07/1994	
31/05/1984	30/01/1994	Ι		Ē	0/03/1994		30/04/1994		30/05/1994		30/06/1994		30/07/1994	
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01/08/1994		01/09/1994		01/10/1994		01/11/1994		01/12/1994	
02/08/1994		02/09/1994	RBHSC Management of Renal	02/10/1994		02/11/1994		02/12/1994	
03/08/1994		03/09/1994		03/10/1994		03/11/1994		03/12/1994	
04/08/1994		04/09/1994	Discharged from Musgrave Ward, RBHSC	04/10/1994		04/11/1994		04/12/1994	
05/08/1994		05/09/1994		05/10/1994		05/11/1994		05/12/1994	
06/03/1994		06/09/1994		06/10/1994		06/11/1994		06/12/1994	
07/08/1994		07/09/1994		07/10/1994		07/11/1994		07/12/1994	
08/08/1994		08/09/1994	Dialysis Clinic	08/10/1994		08/11/1994		08/12/1994	Dialysis Clinic
09/08/1994		09/09/1994		09/10/1994		09/11/1994		09/12/1994	
10/08/1994	Ward Attender	10/09/1994		10/10/1994		10/11/1994	Dialysis Clinic	10/12/1994	
11/08/1994		11/09/1994		11/10/1994	Dialysis Clinic	11/11/1994		11/12/1994	
12/08/1994		12/09/1994		12/10/1994		12/11/1994		12/12/1994	
13/08/1994		13/09/1994		13/10/1994	Dialysis Clinic	13/11/1994		13/12/1994	
14/08/1994		14/09/1994		14/10/1994		14/11/1994		14/12/1994	
15/08/1994		12/08/1884		15/10/1994		15/11/1994		15/12/1994	
16/08/1994		16/09/1994		16/10/1994		16/11/1994		16/12/1994	
17/08/1994		17/09/1994		17/10/1994		17/11/1994		17/12/1994	
18/08/1994		18/09/1994		18/10/1994		18/11/1994	Day Admission to Musgrave Ward, RBHSC Management of Renal Failure	18/12/1994	
19/08/1994		19/09/1994		19/10/1994		19/11/1994		19/12/1994	
20/08/1994		20/09/1994		20/10/1994		20/11/1994		20/12/1994	
21/08/1994		21/09/1994		21/10/1994		21/11/1994		21/12/1994	
22/08/1994		22/09/1994		22/10/1994		22/11/1994		22/12/1994	
23/08/1994	Admitted to Musgrave Ward, RBHSC	23/09/1994		23/10/1994		23/11/1994		23/12/1994	
24/08/1994	Insertion of Peritoneal dialysis fine burgeons: Mr Boston, Mr Chew Anaesthetist: Dr Kietty, Dr Darting	24/09/1994		24/10/1994		24/11/1994		24/12/1994	
25/08/1994		25/09/1994		25/10/1994		25/11/1994		25/12/1994	
26/08/1994	Discharged from Musgrave Ward, RBHSC 26/09/1994	26/09/1994		26/10/1994		26/11/1994		26/12/1994	
27/08/1994		27/09/1994		27/10/1994		27/11/1994		27/12/1994	
28/08/1994		28/09/1994		28/10/1994		28/11/1994		28/12/1994	
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Jan-1995		Feb-1995		Mar-1995		Apr-1995		May-1995		Jun-1995	
01/01/1995		01/02/1995		01/03/1995		01/04/1995		01/05/1995		01/06/1995	
02/01/1995		02/02/1995	Dialysis Clinic	02/03/1995 E	Dialysis Clinic	02/04/1995		02/05/1995		02/06/1995	
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05/01/1995		05/02/1995		05/03/1995		05/04/1995		05/05/1995		05/06/1995	
96/01/10/92		06/02/1995		06/03/1995		06/04/1995		06/05/1995		06/06/1995	
07/01/1995		07/02/1995		07/03/1995		07/04/1995		07/05/1995		07/06/1995	
38/01/1995		08/02/1995		08/03/1995		08/04/1995		08/05/1995		08/06/1995	Dialysis Clinic
39/01/1395		09/02/1995	Day Admission to Musgrave Ward, RBHSC Removal of Broviac line Surgeon: Mr Saad Anaesthetist: Dr Chisakuta	09/03/1995		09/04/1995		09/05/1995		09/06/1395	
10/01/1995		10/02/1995		10/03/1995		10/04/1995		10/05/1995		10/06/1995	
11/01/1995		11/02/1995		11/03/1995		11/04/1995		11/05/1995	Dialysis Clinic	11/06/1995	
	Dialysis Clinic	12/02/1995		12/03/1995		12/04/1995		12/05/1995		12/06/1995	
3/01/1995		13/02/1995		13/03/1995		13/04/1995	Dialysis Clinic	13/05/1995		13/06/1995	
4/01/1995		14/02/1995	ε.	14/03/1995		14/04/1995		14/05/1995		14/06/1995	
15/01/1995		15/02/1995		15/03/1995		15/04/1995		15/05/1995		15/06/1995	
16/01/1995		16/02/1995		16/03/1995		16/04/1995		16/05/1995		16/06/1995	
17/01/1995		17/02/1995		17/03/1995		17/04/1995		17/05/1995		17/06/1995	
18/01/1995 V	Ward Attender	18/02/1995		18/03/1995		18/04/1995		18/05/1995	Dialysis Clinic	18/06/1995	
9/01/1995		19/02/1995		19/03/1995		19/04/1995		19/05/1995		19/06/1995	
20/01/1995		20/02/1995		20/03/1995		20/04/1995		20/05/1995		20/06/1995	
21/01/1995		21/02/1995		21/03/1995		21/04/1995	-	21/05/1995		21/06/1995	
22/01/1995		22/02/1995		22/03/1995		22/04/1995		22/05/1995		22/06/1995	Dialysis Clinic
	Day Admission to Musgrave Ward, RBHSC Mangement of Renal Failure	23/02/1995		23/03/1995		23/04/1995		23/05/1995		23/06/1995	
24/01/1995		24/02/1995		24/03/1995		24/04/1995		24/05/1995		24/06/1995	
25/01/1995		25/02/1995		25/03/1995		25/04/1995		25/05/1995		25/06/1995	Day Admission to Musgrave Ward, RBHSC Mangement of Renal Failure
26/01/1995		26/02/1995		26/03/1995		26/04/1995		26/05/1995		26/06/1995	
	Ward Attender	27/02/1995		27/03/1995		27/04/1995		27/05/1995		27/06/1995	
28/01/1995		28/02/1995		28/03/1995		28/04/1995		28/05/1995		28/06/1995	
				29/03/1995		29/04/1995		29/05/1995		29/06/1995	Admitted to Musgrave Ward, RBHSC
30/01/1995 W 31/01/1995	Ward Attender			30/03/1995		30/04/1995		30/05/1995		30/06/1995	
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03/07/1995		03/08/1995	03/09/1995		03/10/1995		03/11/1995	
04/07/1995		04/08/1995	04/09/1995		04/10/1995		04/11/1995	
05/07/1995		05/08/1995	05/09/1995		05/10/1995		05/11/1995	
06/07/1995		06/08/1995	06/09/1995		06/10/1995		06/11/1995	
07/07/1995	CT Scan of brain & abdomen Anaesthetist: indecipherable	07/08/1995	07/09/1995		07/10/1995		07/11/1995	
08/07/1995		08/08/1995	08/09/1995		08/10/1995		08/11/1995	
09/07/1995	Removal of gastrostomy tube & reinsertion of new tube Surgeon: Mr Kealy Anaesthets: Dr Fenelon	09/08/1995	09/09/1995		09/10/1995		09/11/1995	Dialysis Clinic
10/07/1995		10/08/1995	10/09/1995		10/10/1995		10/11/1995	
	Discharged from Musgrave Ward, RBHSC	11/08/1995	11/09/1995		11/10/1995		11/11/1995	
12/07/1995		12/08/1995	12/09/1995		12/10/1995	Dialysis Clínic	12/11/1995	
13/07/1995		13/08/1995	13/09/1995		13/10/1995		13/11/1995	
	Day Admission to Musgrave Ward, RBHSC Mangement of Renal Failure	14/08/1995	14/09/1995	Dialysis Clinic	14/10/1995		14/11/1995	
15/07/1995		15/08/1995	15/09/1995		15/10/1995		15/11/1995	
16/07/1995		16/08/1995	16/09/1995		16/10/1995		16/11/1995	
17/07/1995		17/08/1995	17/09/1995		17/10/1995		17/11/1995	
						Day Admission to Musgrave Ward, RBHSC		
18/07/1995		18/08/1995 Dialysis Clir	Dialysis Clinic 18/09/1995		18/10/1995	tomy corpak button & left	18/11/1995	
						Surgeon: Mr Syrana Anaesthetist: Dr Loan		
	Ward Attender	19/08/1995	19/09/1995		19/10/1995		19/11/1995	
20/07/1995		20/08/1995	20/09/1995		20/10/1995		20/11/1995	
21/07/1995		21/08/1995	21/09/1995	Day Admission to Musgrave Vard, RBHSC Reinsention of gastrostomy Surgeon: Dr Acton Anaesthetist: Dr Loan	21/10/1995		21/11/1995	
22/07/1995		22/08/1995	22/09/1995		22/10/1995		22/11/1995	
23/07/1995		23/08/1995	23/09/1995		23/10/1995		23/11/1995	
24/07/1995		24/08/1995	24/09/1995		24/10/1995		24/11/1995	
25/07/1995		25/08/1995	25/09/1995		25/10/1995		25/11/1995	
26/07/1995		26/08/1995	26/09/1995		26/10/1995		26/11/1995	Admitted to Musgrave Ward, RBHSC
27/07/1995		27/08/1995	27/09/1995		27/10/1995		27/11/1995	Kidney Transplant Surgeons: Mr P Keane, Mr S Brown Anaesthetist: Dr Tavlor, Dr Monlaque
28/07/1995		28/08/1995	28/09/1995	Ward Attender	28/10/1995		28/11/1995	
29/07/1995		29/08/1995	29/09/1995		29/10/1995	.4	29/11/1995	
30/07/1995		30/08/1995	30/09/1995		30/10/1995		30/11/1995	
CREL/JOJIC		31/08/1995			31/10/1995			

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