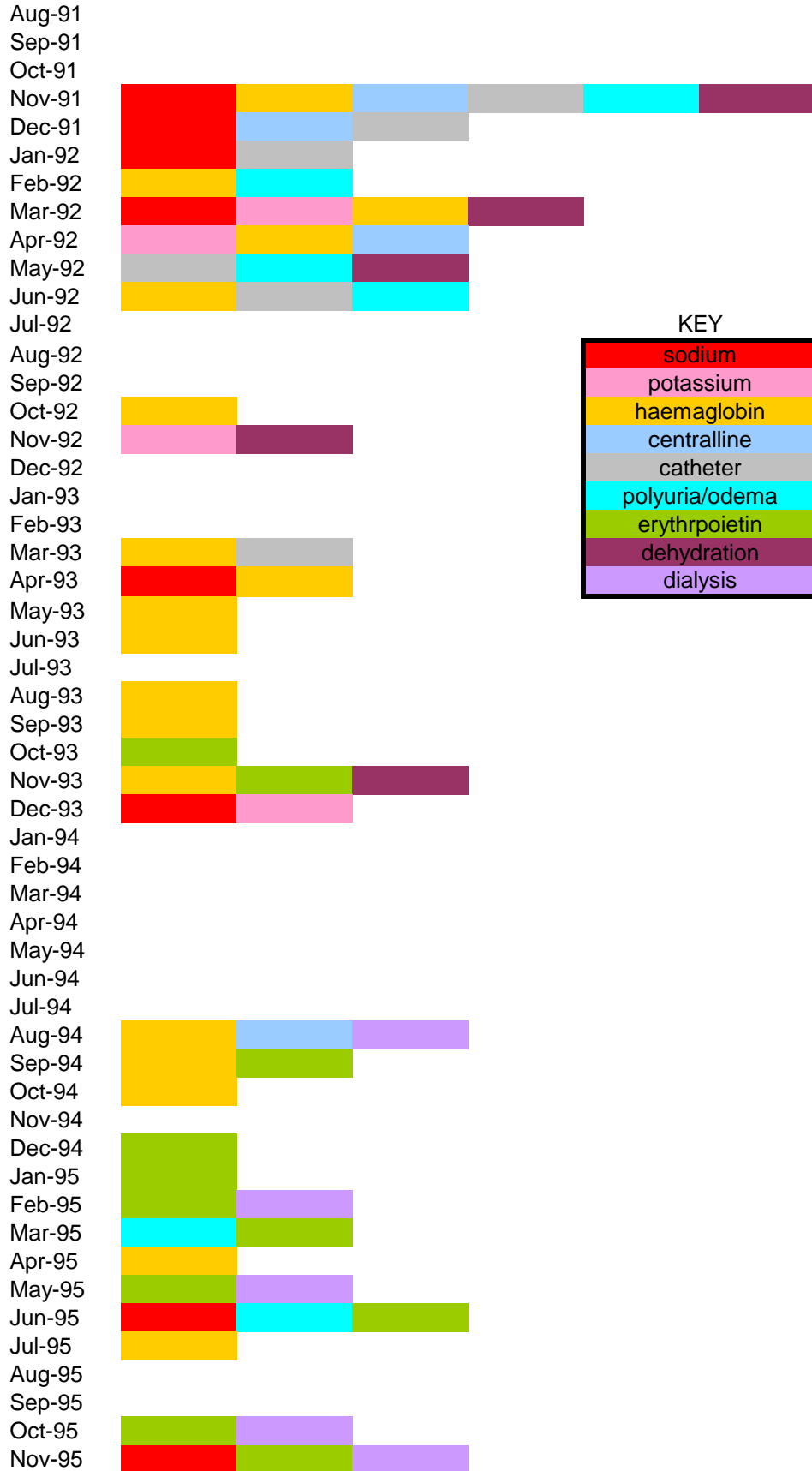


Adam Strain – Summary Timeline of Critical Events



TIME LINE OF MAIN EVENTS: ADAM (1991 - 1995) Surgeries, Fluids, Medication & Dialysis

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹	SERUM SODIUM (mmol/L) Range 135-145	SERUM POTASSIUM (mmol/L) Range 3.5-5.0	HAEMOGLOBIN LEVELS (g/dl) Range 11-15	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output	Highlighted results ≤ 25	Highlighted results ≤ 125/> 155 or a fall of ≥ 10 over 24hrs	Highlighted results <2.5	Highlighted results <8		
04.08.1991	Adam Strain born at the Ulster Hospital								
11.08.1991					139 Ref: 050-022-064				
14.08.1991					137 Ref: 050-022-061				
03.09.1991					137 Ref: 049-029-075				
15.10.1991	Admitted to Musgrave Clinic, RBHSC Ref: 049-025-061 Admission Record Ref: 049-029-076 Medical Notes Ref: 050-014-046 Renal Clinic Letter				128 Ref: 049-029-078				
16.10.1991					136 Ref: 049-030-161	5.1 Ref: 049-030-161			
17.10.1991					135 Ref: 049-029-080				
23.11.1991	Ureteric Implantation with suprapubic catheter insertion Ref: 049-007-014 ICU Letter Ref: 050-023-070 Medical Notes								
24.11.1991			50 Ref: 050-022-065 ²		129 Ref: 050-0220965				
25.11.1991					111 (11.00am) Ref: 050-022-065 114 (3.00pm) Ref: 050-022-065 118 (8.00pm) Ref: 050-022-065				
26.11.1991	Admitted to Musgrave Clinic, RBHSC N.B. ["Since 23/11/91, his urine output has decreased - he is becoming puffy has gained 2lb 2oz over past 3 days/ BP and vital obs have remained almost normal. CXR heart size				126 Ref: 049-030-166 118 (8.00am) Ref: 049-029-083 118 (11.00pm) Ref: 049-029-083	4.8 Ref: 049-030-166			

¹ Query the usual range for urine sodium

² Letter of 26th November 1991 from Dr. Chidrawar (Registrar/Paediatrics) to Dr. Maurice Savage referring to the ureteric re-implantation on 23rd November 1991 and the decrease in his urine output so that he passed only 50mls of blood stained urine on 24th November 1991

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
	normal & no evidence of pulmonary oedema" also "O/E Gen Puffy" "at present clinically he does not appear to be overloaded or hypertensive"] Ref: 049-025-062 Admission Record Ref: 049-029-081 Medical Notes Ref: 051-023-116 Hospital Notes (to 17/4/92)								
27.11.1991	Laparotomy Catheter passed - Ref: 049-028-073 Suprapubic catheter draining minimum amounts hourly Ref: 051-023-117 Ref: 049-028-073 Anaesthetic Record				130 Ref: 049-029-085 130 Ref: 049-030-160 131 Ref: 049-030-156	4.5 Ref: 049-030-156 4.3 Ref: 049-030-160	8.2 Ref:049-030-122		
28.11.1991	Laparotomy & Appendectomy & insertion of peritoneal dialysis cannula Central line inserted Ref: 049-034-235 Consent Ref: 050-021-060 Operation Note Ref: 051-023-119 Medical Notes	Total: 960? Ref: 051-023-119 Noted that IV fluids running as listed	4 Ref: 051-023-119	34 Ref: 049-030-153	131 Ref: 049-030-159 132 Ref: 049-030-155 135 Ref: 049-030-150	3.1 Ref: 049-030-150 4.0 Ref: 049-030-155 3.7 Ref: 049-030-159	7.1 Ref: 049-030-117 7.5 Ref:049-030-121	Sodium Bicarbonate 2mmol by IV Ref: 049-032-225	
29.11.1991	"Central line leaking changed. Attempted subclavian LT side - failed Left internal jugular inserted easily" Ref: 049-029-089			47 Ref: 049-030-157	132 Ref: 050-018-055 140 Ref: 049-030-154 146 Ref: 049-029-090	4.0 Ref: 049-030-154 3.5 Ref: 049-030-149	6.5 Ref:049-030-116		
30.11.1991		"Allow fluids = urine output to see if this ↓ polyuria . Need to watch Na" Ref: 049-029-090		52 Ref: 049-030-151	143 Ref: 049-030-147 145 Ref: 049-029-090		9.8 Ref: 049-030-115 10.1 Ref: 049-030-118		
01.12.1991	"Abdomen still distended" Ref: 051-023-108	745 Ref: 049-029-090	712 Ref: 049-029-090 Vomited 5am Ref: 051-023-108		146 Ref: 049-030-169	4.4 Ref: 049-030-169			
02.12.1991			Small vomit after feed. 10am - feed vomited x 2. Vomited 6am feed x2. Ref: 051-023-112		144 Ref: 049-030-158	4.2 Ref: 049-030-158	9.8 Ref:049-030-119		

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
03.12.1991	"Nephrostomy catheters: suprapubic catheter and PD catheter. PD catheter flushed" Ref: 051-023-112	Total: 960 720 (IV) 240 (oral) Ref: 051-023-119 1086 Ref: 049-029-091	654 Ref: 049-029-091 Vomited bottle feeds 4 vomits since yesterday Ref: 051-023-119		148 Ref: 049-030-171 & 049-022-057	4.1 Ref: 049-030-171	10.3 Ref:049-030-113		
04.12.1991	"Suprapubic not draining" Ref: 051-023-118	1015 Ref: 049-029-093	701 Ref: 049-029-093 Feeds but vomited+2 this am Ref: 051-023-118		140 Ref: 049-030-172 135 Ref: 049-029-093	3.2 Ref: 049-030-172	10.2 Ref:049-030-112		
05.12.1991		Total: 1050 720 (TPN) 330 (oral) Ref: 049-029-093	608 Ref 049-029-093	29 Ref: 049-030-133	142 Ref: 049-030-148	4.2 Ref: 049-030-148			
06.12.1991		Total: 1208 748 (IV) 560 (oral) Ref: 049-018-039	1 Ref: 049-018-039 Plus vomits - volume not recorded "2x vomits this morning [...] x2 this PM" Ref: 051-023-121		142 Ref: 049-030-132	4.0 Ref: 049-030-132	10.5 Ref: 049-030-111		
07.12.1991		Total: 745 550 (IV) 195 (oral) Ref: 049-018-041	385 Ref: 049-018-041		142 Ref: 049-030-168	4.6 Ref: 049-030-168	10.1 Ref: 049-030-146		
08.12.1991	Ureteric stents, Central line laparotomy & Cystoscopy [N.B. "Left internal jugular in situ"] "A French gauge 10 catheter was left in situ and was draining freely at the end of the procedure" Ref: 049-034-237 Consent Ref: 049-026-063 Anaesthetic Record Ref: 050-008-031 Operation Note	Total: 801 801 (IV) Ref: 049-021-054 Ref: 049-021-055 Ref: 049-018-043	642 Ref: 049-021-054 Ref: 049-021-055 Ref: 049-018-043 Plus vomits and stools		136 Ref: 049-029-096 145 Ref: 049-030-131 & 049-012-023B	4.7 Ref: 049-030-131	10.5 Ref: 049-030-145	Sodium bicarbonate 15mmol by IV Ref: 049-032-229	
09.12.1991	Has CAPD catheter and suprapubic catheter	Total: 1049	680 + leakage		143	4.4	9.6		

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
	Ref: 051-023-120	669 (IV) 380 (oral) Ref: 049-018-045	Ref: 049-018-045 Plus diarrhoea - volume not recorded		Ref: 049-030-173 & 049-012-023B	Ref: 049-030-173	Ref: 049-030-144		
10.12.1991		Total: 1025 615 (IV) 410 (oral) Ref: 051-022-096	164 Ref: 051-022-096 Plus 4 stools making a total output (including urine of 164mls) of 378 Ref: 049-029-099		139 Ref: 049-030-165)	5.1 Ref: 049-030-164 4.4 Ref: 049-030-165	8.7 Ref:049-030-110		
11.12.1991		Total: 1050 570 (IV) 480 (oral) Ref: 051-022-097	265 Ref: 051-022-097 Plus 3 large vomits making a total output (including urine of 265mls) of 879mls		143 Ref: 049-030-164				
12.12.1991	“Still polyuric 850 yesterday. Needs IL+ fluid/day” Ref: 049-029-100	Total: 1025 645 (IV) 380 (oral) Ref: 051-022-098	542mls Ref: 051-022-098		146 Ref: 049-030-129	5.1 Ref: 049-030-129	9.5 Ref: 049-030-143		
13.12.1991		Total: 840 500 (IV) 340 (oral) Ref: 051-022-099	803mls Ref: 051-022-099		149 Ref: 049-030-128	5.3 Ref: 049-030-128	9.5 Ref: 049-030-142		
14.12.1991	“All catheters draining well” Ref: 051-023-126	Total: 1082 687 (IV) 395 (oral) Ref: 051-022-101	479mls Plus 4 large vomits and 26 stools making a total output (including urine) of 505mls Ref: 051-022-101 Ref: 051-023-126	41 Ref: 049-030-127	151 Ref: 049-030-126	4.9 Ref: 049-030-126	9.8 Ref:049-030-140		
15.12.1991		Total: 1169 709 (IV) 460 (oral) Ref: 051-022-103	647mls (+leak) Ref: 051-022-103		147 Ref: 049-030-183	5.4 Ref: 049-030-183	9.4 Ref: 049-030-139		
16.12.1991	“Urethral catheter clamped off to allow supapubic catheter to drain slowly” Ref: 051-023-127	Total: 899 790 (IV) 100 (oral) Ref: 051-014-043	481mls Ref: 051-014-043 “Still vomiting		156 Ref: 049-030-162 139 Ref: 049-029-103	5.0 Ref: 049-030-162	9.4 Ref: 049-030-141		

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹	SERUM SODIUM (mmol/L) Range 135-145	SERUM POTASSIUM (mmol/L) Range 3.5-5.0	HAEMOGLOBIN LEVELS (g/dl) Range 11-15	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output	Highlighted results ≤ 25	Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	Highlighted results <2.5	Highlighted results <8		
			oral feeds" Ref: 051-023-127						
17.12.1991		Total: 849 759 (IV) 90 (oral) Ref: 051-014-042	743mls Plus vomit of 40mls Ref: 051-014-042		147 Ref: 050-018-051				
18.12.1991	"Urine flowing via suprapubic catheter" Ref: 049-029-105	Total: 605 475 (IV) 130 (oral) Ref: 051-014-044	534mls Plus 5 vomits total recorded 40mls Ref: 051-014-044		153 Ref: 049-030-184	4.4 Ref: 049-030-184	9.6 Ref: 049-030-137		
19.12.1991	"Suprapubic catheter stopped draining" Ref: 051-023-123	Total: 953 551 (IV) 402 (oral) Ref: 051-012-039	579mls Ref: 051-012-039 Plus vomit of 20mls - note that sodium remains high and sodium removed from TPN Ref: 051-023-122	48 Ref: 049-030-178	156 Ref: 049-030-179	3.8 Ref: 049-030-176 & 049-030-179 & 049-030-181	9.3 Ref: 049-030-134		
20.12.1991	Transureteric ureterostomy "A catheter was passed relatively easily down the right ureter into the bladder" Ref: 050-023-067 Ref: 049-034-236 Consent Ref: 050-008-035 Operation Note	Total: 447 447 (IV) Ref: 051-010-031	386mls Plus small vomits - volumes not recorded Ref: 051-010-031 "Would not feed continues to vomit and wretch" Ref: 051-023-123	41 Ref: 049-030-182	153 Ref: 050-018-051 152 Ref: 049-030-176 153 Ref: 049-030-181 146 Ref: 049-030-175 & 049-029-107 141 Ref: 050-024-169 & 049-016-033 142 Ref: 050-024-170	4.1 Ref: 049-030-175 4.0 Ref: 050-024-169 & 050-024-170	10.1 Ref: 049-030-136	Sodium Bicarbonate infusion Ref: 049-007-015	
21.12.1991	"Has leaking around his suprapubic catheter" "There is some leak from bilateral catheter" Ref: 049-029-109	Total: 812 812 (IV) Ref: 051-019-082	384mls Plus a total of 63mls recorded as aspiration and vomit Ref: 051-019-082		141 Ref: 049-030-177	4.1 Ref: 049-030-177	11.2 Ref: 050-024-261	Bicarb infusion - 20ml 0.4% Sodium Bicarbonate over 4 hrs "To continue Sodium Bicarbonate infusion" Ref: 049-029-109	
22.12.1991	"Draining from all three catheters" Ref: 050-023-067	Total: 886 706 (IV) 180 (oral)	"Adam vomited +++" Ref: 050-023-069		142 Ref: 049-016-033 & 050-024-170	4.0 Ref: 050-024-168		20ml 8.4% Sodium Bicarbonate at 4ml/hr Ref: 051-019b-083	

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹	SERUM SODIUM (mmol/L) Range 135-145	SERUM POTASSIUM (mmol/L) Range 3.5-5.0	HAEMOGLOBIN LEVELS (g/dl) Range 11-15	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output	Highlighted results ≤ 25	Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	Highlighted results <2.5	Highlighted results <8		
	<p>“Suprapubic catheter not draining well and to be flushed 6hrly” Ref: 051-023-129</p> <p>“Apnoea due to NG tube being in oesophagus... Apnoea due to pain”. Ref: 050-023-069</p> <p>“Apnoea alarm went off... Adam still not breathing when nurse went over to him”. Ref: 050-023-068</p>	Ref: 051-019-080	<p>“Small amount of bile-stained vomits” Ref: 051-023-128</p> <p>“Large bile-stained vomit” Ref: 051-023-130</p>		<p>141 Ref: 049-016-033 139 Ref: 050-024-168</p>				
23.12.1991	<p>“Suprapubic catheter to be flushed” Ref: 051-023-128</p> <p>“Trans-ureteric-urostomy catheters fell out this pm” Ref: 051-023-131</p> <p>“9pm apnoea alarm went off. Breathing ceased but started with noise of cot side down.” Ref: 051-023-128</p>	<p>Total: ?? Ref: 051-019-080</p>	<p>“Big vomits continued” Ref: 051-023-128</p>		<p>137 Ref: 049-030-174</p>	<p>3.7 Ref: 049-030-174</p>	<p>12.3 Ref: 049-030-135</p>		
24.12.1991	<p>Laparotomy - Reinsertion of stents Ref: 049-011-023 Consent Ref: 049-009-019 Anaesthetic Record</p> <p>“Good flow of urine from catheter. [...] Catheter left in situ and sutured into bladder” “Suprapubic catheter same as before not draining” Ref: 050-023-071</p>	<p>Total: 731 731 (IV) Ref: 051-012-037</p>	<p>598mls Plus 3 vomits total volume measured at 27mls Ref: 051-012-037</p> <p>“Continues to have bile-stained vomits” Ref: 051-023-131</p>		<p>128 Ref: 050-024-171</p>	<p>4.0 Ref: 050-024-171</p>	<p>10.6 Ref: 050-024-264 12.4 Ref: 050-024-260</p>		
25.12.1991	<p>Laparotomy Ref: 049-013-024 Anaesthetic Record</p>	<p>Total: 996 996 (IV) Ref: 051-012-035</p>	<p>640mls Plus vomits - recorded volume 165mls Ref: 051-012-035</p> <p>“Vomiting thick green bile” Ref: 051-023-131</p>		<p>127 Ref: 050-024-165</p>	<p>4.0 Ref: 050-024-165</p>			
26.12.1991		<p>Total: 678 678 (IV) Ref: 051-002-002</p>	<p>505mls Plus 6 vomits measured at</p>		<p>131 Ref: 050-024-166</p>	<p>4.3 Ref: 050-024-166</p>			

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
			61mls Ref: 051-002-002 "Continues to have bile stained vomit" Ref: 051-023-130 "Vomit x1" Ref: 051-023-133						
27.12.1991		Total: 968 219 (IV) 360 (oral) Ref: 051-008-025	517mls Ref: 051-008-025 "good urine output 500mls yesterday (26 th December 1991) ... maybe a little dry". "Needs careful watch on [Na]" Ref: 050-023-072		140 Ref: 050-024-174	4.5 Ref: 050-024-174			
28.12.1991	Insertion of Central Line Ref: 049-006-013 Anaesthetic Record Ref: 050-015-047 Operation Note "Catheter specimen urine" Ref: 049-030-191 "Mum noticed twitching of arms and legs this pm" Ref: 051-023-132 "Mum noticed him twitching @ 7:30pm. 'Jittery'- started in his legs, spread to involve his arms- sleeping at the time". Ref: 050-023-073	Total: 890 890 (IV) Ref: 051-008-023	569mls Plus an unrecorded volume of vomit Ref: 051-008-023 "Vomiting bile-coloured fluid several times" Ref: 051-023-132		135 Ref: 050-024-173	3.5 Ref: 050-024-173	10.1 Ref: 050-024-263		
29.12.1991		Total: 876 851 (IV) 25 (oral) Ref: 051-008-021	472mls Plus 5 vomits - volume not recorded Ref: 051-008-021 "Had a few bile vomits this AM" Ref: 051-023-132						
30.12.1991					143				

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
					Ref: 050-018-052				
31.12.1991			"Vomits still the occasional feed" Ref: 051-023-135		146 Ref: 050-024-167	4.1 Ref: 050-024-167			
01.01.1992	"Quite cross this am" Ref: 051-023-135		"Vomiting most of last night's feed" Ref: 051-023-135						
02.01.1992		Total: 1026 726 (IV) 300 (oral) Ref: 050-023-075	463mls Ref: 050-023-075 "Vomit x1" Ref: 051-023-134	41 Ref 050-016-048	137 Ref: 050-024-164 & 050-016-048	4.0 Ref: 050-024-164			
04.01.1992		Note the reference to "is behind fluids about 300mls" in note of 3 rd January 1992 Ref: 050-023-075	"Continues to vomit NG tube feed" Ref: 051-023-137		144 Ref: 050-024-162	3.5 Ref: 050-024-162	8.6 Ref: 050-024-258		
05.01.1992			"Small vomits continue to be coffee-ground" Ref: 051-023-137		133 Ref: 050-024-178	5.6 Ref: 050-024-178			
06.01.1992			"Vomiting the big problem" Ref: 050-023-076 "Continues to have small M fluid vomits this am" Ref: 051-023-136 "Continues to vomit coffee ground" Ref: 051-023-137	49 Ref: 050-024-185	147 Ref: 050-024-182 144 Ref: 050-024-184	4.4 Ref: 050-024-182& 050-024-184	9.1 Ref: 050-024-257		
07.01.1992	"One episode of being jittery during the night" Ref: 051-023-136		"Continues to vomit overnight" Ref: 051-023-136		148 Ref: 050-024-180	4.4 Ref: 050-024-180			
08.01.1992					143 Ref: 050-024-179	3.9 Ref: 050-024-179			
09.01.1992			"Still vomiting - commenced on	32 Ref: 050-024-176	147 Ref: 050-024-177	4.0 Ref: 050-024-177	11.1 Ref: 050-024-256	Commenced on BiCarb Ref: 050-023-077	

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
			BiCarb" Ref: 050-023-077 "Continues to vomit" Ref: 051-023-139						
10.01.1992			"Small mucousy vomits" Ref: 051-023-138						
11.01.1992					151 Ref: 050-024-196	4.7 Ref: 050-024-196			
12.01.1992					151 Ref: 050-024-194	4.6 Ref: 050-024-194	9.4 Ref: 050-024-255	Sodium Bicarbonate 20mmol/ daily IV Ref: 050-023-080	
13.01.1992					143 Ref: 050-024-195	4.3 Ref: 050-024-195			
15.01.1992					140 Ref: 050-024-191	4.6 Ref: 050-024-191			
16.01.1992		Total: 900 See "fluid balance fine 900mls in" Ref: 050-023-082	"Phlegmy vomits" Ref: 051-023-141		141 Ref: 050-024-189 & 050-016-048	5.0 Ref: 050-024-189		Sodium Bicarbonate 20mmol/ daily IV in TPN Ref: 050-023-082	
17.01.1992					141 Ref: 050-024-187	4.1 Ref: 050-024-187			
18.01.1992	"25ml of sterile water passed via suprapubic catheter" Ref: 051-023-140								
19.01.1992			"Still vomiting" Ref: 051-023-140		138 Ref: 050-024-208	3.5 Ref: 050-024-208			
20.01.1992			"Continues to vomit" Ref: 051-023-140						
21.01.1992			"am vomits. Seems to have a lot of phlegm" Ref: 051-023-145						
23.01.1992	"To have Catheter clamped" Ref: 051-023-143				143 Ref: 050-024-206	4.3 Ref: 050-024-206			
27.01.1992	"Urethral catheter – need today. Leaking around suprapubic – ask Mr Brown before changing catheters" Ref: 050-023-084				140 Ref: 050-024-204		10.7 Ref: 050-024-253		

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
28.01.1992	Removal of suprapubic catheter, insertion of Urethral Catheter & Gastroscopy Ref: 050-036-299 Consent Ref: 050-005-006 Anaesthetic Record								
29.01.1992	"Suprapubic catheter out. Passing urine via urethral catheter." Ref: 050-023-085								
30.01.1992					141 Ref: 050-024-203	4.8 Ref: 050-024-203			
01.02.1992			"Continues to vomit spoonfeeds" Ref: 051-023-145						
02.02.1992			"Vomiting up spoon feeds" Ref: 051-023-145						
03.02.1992			"Vomited few mouthfuls of milk this AM" "2 vomits" Ref: 051-023-144						
04.02.1992					143 Ref: 050-016-048	4.5 Ref: 050-024-201			
06.02.1992		Total: 1005 Problems noted with: "? Facial oedema " - Ref: 050-023-086 to 087			139 Ref: 050-024-200	4.7 Ref: 050-024-200			
08.02.1992	"Mum said Adam had transient twitching of his L eye Ref: 050-023-088		Note of " some degree of fluid overload " and "recatheterise to accurately assess output [because]? enlarged bladder USS" - Ref: 050-023-087	65 Ref: 050-024-222	152 Ref: 050-024-220 151 Ref: 050-024-219	4.7 Ref: 050-024-219 5.0 Ref: 050-024-220	8.9 Ref: 050-024-274		
09.02.1992					143 Ref: 050-024-221 140 Ref: 050-024-218	4.8 Ref: 050-024-218 4.7 Ref: 050-024-221			

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
10.02.1992					141 Ref: 050-024-198 141 Ref: 050-018-054	4.5 Ref: 050-024-198 7.8 Ref: 050-024-273	7.8 Ref: 050-024-273		
11.02.1992	"Slightly irritable this am" Ref: 051-023-149		"Some small mouthfuls of vomiting" Ref: 051-023-149		140 Ref: 050-024-223	4.6 Ref: 050-024-223			
12.02.1992			"Still vomiting" Ref: 050-023-091 "Vomit x1" Ref: 051-023-149	49 Ref: 050-024-214	128 Ref: 050-024-215 142 Ref: 050-024-213	5.1 Ref: 050-024-215 4.6 Ref: 050-024-213			
14.02.1992				41 Ref: 050-024-211					
15.02.1992					137 Ref: 050-024-212				
17.02.1992				38 Ref: 050-024-209	142 Ref: 050-024-210	5.2 Ref: 050-024-210			
18.02.1992					141 Ref: 050-024-235	4.3 Ref: 050-024-235	8.6 Ref: 050-024-272		
19.02.1992			"Occasional vomits" Ref: 051-023-150		139 Ref: 050-024-232	4.2 Ref: 050-024-232			
20.02.1992					143 Ref: 050-024-230	4.8 Ref: 050-024-230			
22.02.1992			"Wretching ++ at home" Ref: 051-023-150						
24.02.1992			"Vomited overnight" Ref: 051-023-151		142 Ref: 050-024-227				
25.02.1992	Cystoscopy, oesophagogastroscopy & Ph studies Ref: 050-036-299 Consent Ref: 050-020-058 Anaesthetic Record Ref: 052-023-044 Medical Notes (to 17/4/92)	~900ml Ref: 052-023-044	500-600ml Ref: 052-023-044						
26.02.1992				50 Ref: 050-024-225					
27.02.1992			"Continued to vomit occasional mouthfuls"		142 Ref: 050-024-224 143	4.6 Ref: 050-024-224			

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
			Ref: 051-023-153		Ref: 050-024-252				
28.02.1992			"Continues to vomit" Ref: 051-023-153						
29.02.1992			"Vomiting mouthfuls" Ref: 051-023-153						
01.03.1992					147 Ref: 050-024-248	5.1 Ref: 050-024-248			
02.03.1992					143 Ref: 050-024-250				
03.03.1992		Total: 976 670 (IV) 306 (oral) Ref: 051-017-060	658mls Plus 6 vomits and 3 stools - volume not recorded Ref: 051-017-060						
04.03.1992		Total: 1026 686 (IV) 340 (oral)	680mls				7.7 Ref: 050-024-270 8.6 Ref: 050-024-275 18.8 ³ Ref: 050-024-276		
05.03.1992		Total: 896 791 (IV) 105 (oral) Ref: 051-017-064	680mls Plus 5 vomits, one of which recorded at 25mls and 3 stools Ref: 051-017-064		146 Ref: 050-024-246	5.4 Ref: 050-024-246	6.9 Ref: 050-024-271		
06.03.1992		Total: ?? Ref: 051-017-066	570mls Ref: 051-017-066		145 Ref: 050-024-245	5.1 Ref: 050-024-245			
07.03.1992		Total: 835 457 (IV) 378 (oral) Ref: 051-017-068	530mls Plus 2 vomits, one of which is recorded at 50mls (ie the feed at 15.00) Ref: 051-017-068						
08.03.1992		Total: 928 671 (IV) 257 (oral) Ref: 051-017-070	450mls Ref: 051-017-070						
09.03.1992		Total: 616	445mls + PU	38	141	3.5	17.0 ⁴		

³ Query relevance of high value.

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹	SERUM SODIUM (mmol/L) Range 135-145	SERUM POTASSIUM (mmol/L) Range 3.5-5.0	HAEMOGLOBIN LEVELS (g/dl) Range 11-15	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output	Highlighted results ≤ 25	Highlighted results $\leq 125/\geq 155$ or a fall of ≥ 10 over 24hrs	Highlighted results <2.5	Highlighted results <8		
		612 (IV) Nil (oral) Ref: 051-017-072	Ref: 051-017-072 "Still continuing to vomit" Ref: 051-023-154 "Vomit now has coffee ground appearance" "Vomiting coffee grounds" Ref: 051-023-155 "Vomiting throughout night" Ref: 052-023-048	Ref: 050-024-243	Ref: 050-024-244	Ref: 050-024-244	Ref: 050-024-268 17.1 ⁵ Ref: 050-024-269		
10.03.1992		Total: 906 Ref: 051-017-074	385mls Record shows "continuous vomits all day" and 3 large stools Ref: 051-071-074 "Continues to vomit" "Still vomiting" "Few small vomits at end of night" Ref: 051-023-154		142 Ref: 050-024-241				
11.03.1992		Total: 1 litre Ref: 051-017-058			139 Ref: 050-024-240	3.5 Ref: 050-024-240			
12.03.1992		Total: 905 730 (IV) 175 (oral) Ref: 051-017-057	250mls? Ref: 051-017-057				16.2 ⁶ Ref: 050-024-266		
13.03.1992	Fundoplication Ref: 050-008-033 Operation Notes	Total: 978 617 (IV) 361 (tube) Ref: 051-017-056	520mls + PUx2 Plus vomits - volumes not recorded Ref: 051-017-056		143 Ref: 050-024-239	3.5 Ref: 050-024-239	14.7 Ref: 050-024-265		
14.03.1992		Total: 895 523 (IV) 372 (oral) Ref: 051-017-055	610mls + PUx1 Plus small vomits - volume not recorded Ref:		145 Ref: 050-024-238				

⁴ Query relevance of high value.⁵ Query relevance of high value.⁶ Query relevance of high value.

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹	SERUM SODIUM (mmol/L) Range 135-145	SERUM POTASSIUM (mmol/L) Range 3.5-5.0	HAEMOGLOBIN LEVELS (g/dl) Range 11-15	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output	Highlighted results ≤ 25	Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	Highlighted results <2.5	Highlighted results <8		
			051-017-055 "Had a few small vomits" Ref: 051-023-156						
15.03.1992		Total: 931 676 (IV) 205 (tube) Ref: 051-017-054	620mls Plus vomits - volume not recorded Ref: 051-017-054		148 Ref: 052-025-080	4.4 Ref:052-025-080	13.8 Ref: 052-025-124		
16.03.1992	Fundoplication & retrograde pyelograms Ref: 050-030-288 Consent Form	Blank Ref: 051-017-053	"Stained vomit at 5pm" Ref: 051-023-157						
17.03.1992		Total: 867 17 (IV) Ref: 051-017-051	768mls + wet nappy Ref: 051-017-051 "Repeated vomiting" Ref: 052-023-053				10.6 Ref: 052-025-122		
18.03.1992		Total: 922 672 (IV) 250 (oral) Ref: 051-017-050	505mls + damp bed Ref: 051-017-050		145 Ref: 050-024-237	5.2 Ref: 052-025-079 4.3 Ref: 050-024-237	10.5 Ref: 052-025-123		
19.03.1992		Total: 878 318 (IV) 560 (oral) Ref: 051-017-049	150mls plus PU+ Plus 1 vomit and 2 stools - volumes not recorded Ref: 051-017-049		144 Ref: 052-025-079 141 Ref: 050-024-236	4.7 Ref: 050-024-236	10.0 Ref: 052-025-121		
20.03.1992		Total: 864 94 (IV) 770 (oral) Ref: 051-017-048	355mls Plus large, loose stools - volumes not recorded Ref: 051-017-048						
21.03.1992		Total: 1110 1110 (oral) Ref: 051-017-047	3 PU Plus large, loose stools - volumes not recorded Ref: 051-017-047 "Still having seedy nappies and vomiting"						

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
			Ref: 051-023-161						
22.03.1992		Total: 870 870 (oral) Ref: 051-025-223	X4 PU Ref: 051-025-223						
23.03.1992		Total: 810 810 (oral) Ref: 051-025-217	X3 PU Ref: 051-025-217 "Has had diarrhoea" Ref: 052-023-051		151 Ref: 052-025-078	3.2 Ref: 052-025-078	9.8 Ref: 052-025-120		
24.03.1992		Total: 785 30 (IV) 755 (oral) Ref: 051-025-221	X3 PU Ref: 051-025-221		150 Ref: 052-025-077	4.4 Ref: 052-025-077			
25.03.1992		Total: 915 915 (oral) Ref: 051-025-219		43 Ref: 052-025-074	151 Ref: 052-025-076	3.2 Ref: 052-025-076 3.4 Ref: 052-025-075			
26.03.1992		Total: 979 819 (IV) 160 (oral) Ref: 051-025-215	X3 PU "Loose nappies continue today." Ref: 051-023-167 "Frequent loose bowel motions" Ref: 052-023-055 "Diarrhoea" Ref: 052-025-146		152 Ref: 052-025-075				
27.03.1992		Total: 845 745 (IV) 90 (oral) Ref: 051-025-172	510mls Ref: 051-025-172						
28.03.1992	"Not dehydrated" Ref: 057-102-177"	Total: 780 680 (IV) 100 (oral) Ref: 051-025-174	390mls Ref: 051-025a-174 "Still vomits" Ref: 052-023-045						
29.03.1992		Total: 710 17 (oral) Ref: 051-017-059	PU Plus 4 stools - volume not recorded Ref: 051-017-059						
30.03.1992		Total: 1180	X7 PU		142	2.4			

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
		460 (IV) 720 (oral) Ref: 051-025-177	Ref: 051-025-177 "Wretching at night" Ref: 051-023-166		Ref: 052-025-070	Ref: 052-025-070			
31.03.1992		Total: 1320 470 (IV) 860 (oral) Ref: 051-025-179	505 + 3PU Ref: 051-025-179 "Having reduced nappies this pm" Ref: 051-023-166		137 Ref: 052-025-072	2.6 Ref: 052-025-072 4.1 Ref: 052-025-087	9.8 Ref: 052-025-119		
01.04.1992		Total: 1220 1770 (IV) 50 (oral) Ref: 051-025-181	X4 PU Ref: 051-025-181		140 Ref: 052-025-087 133 Ref: 052-025-086	5.0 Ref: 052-025-086			
02.04.1992		Total: 1000 1000 (IV) Ref: 051-025-183			141 Ref: 052-025-089	3.1 Ref: 052-025-089			
03.04.1992		Total: 1145 1145 (oral) Ref: 051-025-185	X5 PU Ref: 051-025-185		139 Ref: 052-025-084	2.5 Ref: 052-025-084	7.8 Ref: 052-025-118	Sodium Bicarbonate 7.5mg 3x daily Ref: 052-018-035	
04.04.1992		Total: 940 940 (oral) Ref: 051-025-187	270 + 3 PU Ref: 051-025-187		138 Ref: 052-025-102	4.4 Ref: 052-025-102		Sodium Bicarbonate 7.5mg 3x daily Ref: 052-008-014	
05.04.1992		Total: 1225 1225 (oral) Ref: 051-025-189	X5 PU Ref: 051-025-189				8.8 Ref: 052-025-117		
06.04.1992		Total: 1849 797 (IV) 1052 (oral) Ref: 051-025-191	X3 PU Ref: 051-025-191		139 Ref: 052-025-100	4.0 Ref: 052-025-100	8.3 Ref: 053-028-139		
07.04.1992	Central line removed Ref: 052-023-061	Total: 1164 1164 (oral) Ref: 051-025-193	X5 PU Ref: 051-025-193		131 Ref: 052-025-101	3.8 Ref: 052-025-101	9.0 Ref: 052-025-116	Sodium Bicarbonate 7.5mg 3x daily Ref: 052-018-037	
08.04.1992		Total: 1234 1234 (oral) Ref: 051-025-195	X4 PU Ref: 051-025-195						
09.04.1992		Total: 1200 855 (IV) 345 (oral) Ref: 051-025-197	X3 PU Ref: 051-025-197		136 Ref: 052-025-097	4.4 Ref: 052-025-097			
10.04.1992		Total: 1147 20 (IV) 1127 (oral)	X6 PU Ref: 051-025-199						

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
		Ref: 051-025-199							
11.04.1992		Total: 1097 70 (IV) 1017 (oral) Ref: 051-025-201	X4 PU Ref: 051-025-201						
12.04.1992		Total: 1070 1070 (oral) Ref: 051-025-203	X3 PU Ref: 051-025-203						
13.04.1992 14.04.1992		Total: 1160 675 (IV) 485 (oral) Ref: 051-025-205	X4 PU Ref: 051-025-205		139 Ref: 052-025-095	4.6 Ref: 052-025-095	7.6 Ref: 053-028-138		
14.04.1992		Total: 1129 1129 (IV) Ref: 051-025-207	X5 PU Ref: 051-025-207						
15.04.1992		Total: 1185 405 (IV) 780 (oral) Ref: 051-025-209	X6 PU Ref: 051-025-209		142 Ref: 052-025-094	4.7 Ref: 052-025-094			
16.04.1992		Total 1168 538 (IV) 630 (oral) Ref: 051-025-211	X4 PU Ref: 051-025-211						
17.04.1992	Discharge from Musgrave Clinic, RBHSC Ref: 052-020-040 Discharge Letter							Sodium Bicarbonate 7.5ml Ref: 052-020-040	
20.04.1992	Admitted to Musgrave Clinic, RBHSC Ref: 052-019-039 Admittance Record Ref: 052-023-063 Medical Notes Ref: 052-005-007 Nursing Notes	Total: 1860 475 (IV) 1385 (oral) Ref: 052-014-025	960+mls Plus liquid stools - volume not recorded Ref: 052-014-025 "Has been having watery bowel movements x4" Ref: 052-023-065 "Vomits" Ref: 053-013-043		150 Ref: 052-025-115 150 Ref: 052-025-093	2.9 Ref: 052-025-115 3.2 Ref: 052-025-093 6.2 Ref: 052-025-114	8.1 Ref: 053-028-137	Sodium Bicarbonate 7.5ml Ref: 052-023-064 On Potassium supplements Ref: 052-023-065	
21.04.1992		Total: ?? Ref: 052-014-026			146 Ref: 052-025-114 140 Ref: 052-025-113	4.3 Ref: 052-025-113			
22.04.1992		Total: 1169	PU						

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
		934 (IV) 235 (oral) Ref: 052-014-023	Ref: 052-014-023 "Diarrhoea x2 last night" Ref: 052-023-066						
23.04.1992		Total: 1280 1280 (oral) Ref: 052-014-022	PU Ref: 052-014-022						
24.04.1992		Total: 1170 1170 (oral) Ref: 052-014-021	210mls + x1 Plus 4 stools - volume not recorded Ref: 052-014-021		150 Ref: 052-025-093	4.6 Ref: 052-025-112			
25.04.1992		Total: 1084 1084 (oral) Ref: 052-014-020	x7 PU++++ Plus loose stools - volumes not recorded Ref: 052-014-020						
26.04.1992			"Diarrhoea" Ref: 052-023-068		139 Ref: 052-025-110			Sodium Bicarbonate 7.5mls Ref: 052-013-019	
27.04.1992	Discharge from Musgrave Clinic, RBHSC Ref: 052-010-016 Discharge Letter					4.2 Ref: 052-025-110	7.5 Ref: 053-028-135		
29.04.1992			"Mum worried about diarrhoea x 3 days. Loose watery stools" Ref: 052-023-068			3.8 Ref: 052-025-108	8.5 Ref: 053-028-134		
30.04.1992	Admitted to Musgrave Clinic, RBHSC Ref: 052-009-015 Admittance Record Ref: 053-027-075 Medical Notes Ref: 052-005-005 Nursing Notes "BP elevated 134/82." Ref: 052-005-005 "Constant diarrhoea for 4 days. Diarrhoea 8-10 times daily. Very watery" Ref: 053-027-076 "Dehydration due to diarrhoea" Ref: 053-027-075	Taking 1200 daily without difficulty Ref: 053-027-076	"Stools appear softer" Ref: 052-005-005 "Diarrhoea" Ref: 053-014-046		141 Ref: 052-025-106	3.0 Ref: 052-025-106		Sodium Bicarbonate added to fluid Ref: 052-005-005 7.5ml x3 daily Ref: 053-024-072	
01.05.1992					139	2.7			

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
					Ref: 052-025-107	Ref: 052-025-107			
02.05.1992		Fluid intake 1200 by IV Ref: 053-027-076			143 Ref: 052-025-105	6.9 Ref: 052-025-105			
04.05.1992			"Loose nappies continue" Ref: 052-005-006		141 Ref: 053-028-092	5.7 Ref: 053-028-092			
05.05.1992	"Slightly hypertensive - 130/70" Ref: 052-005-006				140 Ref: 053-028-093	4.2 Ref: 053-028-093			
07.05.1992	Dehydration. The other diagnoses were: (i) urinary tract infection and (ii) chronic renal failure Discharge from Musgrave Clinic, RBHSC Ref: 053-026-074 Discharge Letter		Dehydration as per diagnosis in Discharge Letter admission on 30 th April 1992 Ref: 016-086-129					Sodium Bicarbonate 7.5ml Ref: 053-027-079	
12.05.1992	"The third problem worth mentioning is that he is polyuric and needs about 1 litre of fluids per day." Maurice Savage letter Ref: 053-021-066	Takes 600ml per day by spoon and 500 by pump up to 1100 Ref: 053-027-080			141 Ref: 053-028-090	4.7 Ref: 053-028-090	9.5 Ref: 053-028-132	Sodium Bicarbonate 7.5 tds Ref: 053-027-080	
13.05.1992	Admitted to Musgrave Clinic, RBHSC Ref: 052-003-003 Admission Record Ref: 053-027-081 Medical Notes Ref: 053-014-048 Nursing Notes	Total: 1010 1010 (oral) Ref: 053-020-064 Fluid Balance & IV Prescription Sheet shows 1100mls per 24hrs Ref: 053-020-064	PU x 4 Plus 5 loose stools - volume not recorded Ref: 053-020-064 "Diarrhoea this am" Ref: 053-027-081		144 Ref: 053-028-089		8.8 Ref: 053-028-131	Sodium Bicarbonate 7.5ml x3 daily Ref: 053-016-055	
14.05.1992		Total: 1230 1230 (oral)	PU++++ Plus small vomits and loose stools - volumes not recorded						
15.05.1992		Total: 700 700 (oral) Ref: 053-020-062	PU Plus loose stools - volume not recorded Ref: 053-020-062						
16.05.1992		Total: 1230 1230 (oral) Ref: 053-020-061	x3 PU++ Plus 4 loose stools - volume						

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹	SERUM SODIUM (mmol/L) Range 135-145	SERUM POTASSIUM (mmol/L) Range 3.5-5.0	HAEMOGLOBIN LEVELS (g/dl) Range 11-15	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output	Highlighted results ≤ 25	Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	Highlighted results <2.5	Highlighted results <8		
			not recorded Ref: 053-020-061						
17.05.1992	Discharge from Musgrave Clinic, RBHSC Ref: 053-018-057 Discharge Letter							Sodium Bicarbonate 7.5ml Ref: 053-018-057	
21.05.1992	Admitted to Musgrave Clinic, RBHSC Ref: 053-014-047 Nursing Notes	Total: 1090 1090 (oral) Ref: 053-011-040	x5 PU Plus 5 stools - volume not recorded Ref: 053-011-040		143 Ref: 054-057-129		10.3 Ref: 053-028-130	Sodium Bicarbonate 7.5ml x3 daily Ref: 053-009-019	
22.05.1992		Total: 1135 Ref: 053-011-039	x6 PU Plus 8 loose stools - volume not recorded Ref: 053-011-039 "Vomited 2-3 times" Ref: 054-057-129		143 Ref: 053-028-088	3.4 Ref: 053-028-088			
23.05.1992		Total: 1110 1110 (oral/tube) Ref: 053-011-038	x5 PU++ Plus 2 loose stools - volume not recorded Ref: 053-011-038		140 Ref: 053-028-086	4.1 Ref: 053-028-086			
24.05.1992		Total: 1170 1170 (oral/tube) Ref: 053-011-037	PU Plus loose stools - volume not recorded Ref: 053-011-037						
25.05.1992		Total: 1123 913 (IV) 210 (oral) Ref: 053-011-036	PU Ref: 053-011-036						
26.05.1992		Total: 1020 1020 (tube/oral) Ref: 053-011-035	x3 PU Plus 8 stools - volume not recorded Ref: 053-011-035						
27.05.1992		Total: 1000 1000 (tube/oral) Ref: 053-011-034	x4 PU Ref: 053-011-034						
28.05.1992		Total: 1240 1240 (oral) Ref: 053-011-033	PU x3 Ref: 053-011-033						

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹	SERUM SODIUM (mmol/L) Range 135-145	SERUM POTASSIUM (mmol/L) Range 3.5-5.0	HAEMOGLOBIN LEVELS (g/dl) Range 11-15	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output	Highlighted results ≤ 25	Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	Highlighted results <2.5	Highlighted results <8		
29.05.1992	Insertion of Broviac line. Cystoscopy and Retrograde Pyelogram "The [right] UO [ureteric orifice] was easily catheterised with a size 3 ureteric catheter" Ref: 053-015-052 Operation Note "Ureteric catheters passed. X-ray for retrograde. Catheter fell out." Ref: 054-057-132	Total: 555 555 (IV) Ref: 053-011-031 Note: no.18 solution at 40mls/hr Ref: 053-011-031	x6 PU Plus 2 stools - volume not recorded Ref: 053-011-031	57 Ref 053-028-084					
30.05.1992		Total: 1088 68 (IV) 1020 (tube/oral) Ref: 053-011-029	x5 PU+++ Plus small vomits and stool - volume not recorded Ref: 053-011-029		145 Ref: 054-059-166	3.0 Ref: 054-059-166			
31.05.1992		Total: 1310 1310 (oral) Ref: 053.011-030	x5 PU Plus 4 stools - volume not recorded Ref: 053.011-030						
01.06.1992	"Anaemic. Needs Fe and Ferritin - Iron studies" Ref: 054-057-132	Total: 1380 1380 (oral) Ref: 053-011-027	PU+++ Plus loose stools - volume not recorded Ref: 053-011-027		145 Ref: 053-028-085	3.8 Ref: 053-028-085		Started on Ferromyn as haemoglobin 8.6 Ref: 053-014-050	
02.06.1992		Total: 1103 1103 (oral) Ref: 053-011-026	x4 PU Plus loose stool - volume not recorded Ref: 053-011-026					Ferrous Sulphate 37mg x2 daily Ref: 053-009-019	
03.06.1992		Total: 1125 1125 (tube/oral) Ref: 053-011-025	PU Plus loose stools - volume not recorded Ref: 053-011-025		145 Ref: 054-059-165		9.0 Ref: 054-059-232		
04.06.1992		Total: 1055 750 (IV) 305 (oral) Ref: 053-011-024	PU++ Ref: 053-011-024						
05.06.1992	Insertion of urinary catheter and ultrasound investigation of renal tract Ref: 053-002-002 Consent Ref: 053-012-042 Anaesthetic Record	Total: 1125 800 (IV) 290 (oral) Ref: 053-011-023	PU++ Ref: 053-011-023		144 Ref: 054-059-164	4.0 Ref: 054-059-164	9.1 Ref: 054-059-231		

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
06.06.1992	Discharge from Musgrave Clinic, RBHSC Ref: 053-005-008 Discharge Letter	Nothing recorded Patient refused oral Ref: 053-011-022	PU++ Ref: 053-011-022					Sodium bicarbonate 7.5ml Ferrous sulphate 37mg Ref: 016-083-125	
12.06.1992					140 Ref: 054-059-163	3.8 Ref: 054-059-163	8.3 Ref: 054-059-229		
23.06.1992		Adam is polyuric and drinks about 1½ litres per day	No history of diarrhoea or vomiting						Dialysis Clinic Ref: 016-082-124
29.06.1992					138 Ref: 054-059-162	4.2 Ref: 054-059-162	9.2 Ref: 054-059-228		
21.07.1992			No history of diarrhoea or vomiting		141 Ref: 054-059-161		9.2 Ref: 054-059-227	Sodium bicarbonate Last haemoglobin was 9.6gms The plan is to stop oral iron after 3 – 4 weeks	Dialysis Clinic Adam takes about 1200 to 1300 of milk per day. Ref: 016-081-123
25.08.1992							9.3 Ref: 054-059-226		
26.08.1992					145 Ref: 054-059-160				
10.09.1992					138 Ref: 054-059-159	4.2 Ref: 054-059-159	9.7 Ref: 054-059-225		
13.10.1992					130 Ref: 054-059-158	3.6 Ref: 054-059-158	8.9 Ref: 054-059-224		
20.10.1992	Admitted to Musgrave Clinic, RBHSC Ref: 054-050-115 Admission Record Ref: 054-057-137 Medical Notes Ref: 054-045-104 Nursing Notes	Total: 1243 Ref: 054-057-141	PU++ Ref: 054-057-141 "Vomiting" Ref: 054-045-101 "Single vomit following feeds" Ref: 054-045-105 "Vomiting small amount after every feed" Ref: 054-057-138		133 Ref: 054-059-157	3.9 Ref: 054-059-157	6.6 Ref: 054-059-244	Sodium Bicarbonate 7.5x3daily Ref: 054-045-100 & 054-046-107	
21.10.1992					130 Ref: 054-059-177	3.5 Ref: 054-059-177			

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹	SERUM SODIUM (mmol/L) Range 135-145	SERUM POTASSIUM (mmol/L) Range 3.5-5.0	HAEMOGLOBIN LEVELS (g/dl) Range 11-15	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output	Highlighted results ≤ 25	Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	Highlighted results <2.5	Highlighted results <8		
22.10.1992			“Continues to vomit via tube feed” Ref: 054-045-105 “Still vomiting. Vomiting is self-induced to some extent” Ref: 054-057-142						
23.10.1992		Total: 1150 Ref: 054-057-143			137 Ref: 054-059-176	3.2 Ref: 054-059-176			
24.10.1992		Total 1225 Ref: 054-057-143							
27.10.1992					136 Ref: 054-059-175	4.4 Ref: 054-059-175	6.4 Ref: 054-059-243		
28.10.1992	Discharge from Musgrave Clinic, RBHSC Ref: 054-044-099 Discharge Summary	Transfused ‘packed cells’ - diagnosed in the Discharge Summary as anaemic and as self-induced vomiting Ref: 016-073-115						Sodium bicarbonate 8.4% 7.5mls Ref: 054-044-099	
10.11.1992					136 Ref: 054-059-174	4.1 Ref: 054-059-174	12.0 Ref: 054-059-240		
24.11.1992					129 Ref: 054-057-146				
26.11.1992	Admitted to Musgrave Clinic, RBHSC Ref: 054-042-097 Admission Record Ref: 054-038-087 Nursing Notes		“Seen by child psychologist re: vomiting and development. Still having some vomiting” Ref: 054-036-083		129 Ref: 054-059-173	3.1 Ref: 054-059-173	10.5 Ref: 054-059-239	Sodium Bicarbonate 7.5ml x3 daily Ref: 054-046-107	
27.11.1992					130 Ref: 054-059-172 135 Ref: 054-059-170	2.5 Ref: 054-059-172 3.2			

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
						Ref: 054-059-170			
28.11.1992			"Vomiting ++" "Looks slightly dehydrated" Ref: 054-057-147		138 Ref: 054-059-171	4.5 Ref: 054-059-171			
29.11.1992					139 Ref: 054-059-169	4.1 Ref: 054-059-169			
01.12.1992	Oesothagogastroduodenoscopy Ref: 054-007-017 Consent Ref: 054-039-091 Anaesthetic Record	Total: 1200 Ref: 054-057-148	"Recent increase in vomiting" Ref: 054-057-149	32 Ref: 054-059-167					
03.12.1992					139 Ref: 054-059-168	3.9 Ref: 054-059-168		Sodium Bicarbonate Ref: 054-057-150	
04.12.1992	Discharge from Musgrave Clinic, RBHSC Ref: 054-035-082 Discharge Summary								
15.12.1992	Serum iron of 6 (usual range 14-29) Ref: 054-059-234		"Adam is having a problem with vomiting" "Vomiting occasionally and only twice daily" Ref: 054-057-151		138 Ref: 054-059-187	3.2 Ref: 054-059-187	8.7 Ref: 054-059-236	Sodium bicarbonate 8.4% 7.5mls	Dialysis Clinic Ref: 016-067-109
19.12.1992	"Mum concerned re: puffiness / vomiting" Ref: 054-057-150		"Vomited feed" Ref: 054-057-150		134 Ref: 054-059-188	3.3 Ref: 054-059-188	9.2 Ref: 054-059-237		
31.12.1992					132 Ref: 054-059-186	3.3 Ref: 054-059-186	9.1 Ref: 055-054-225		
21.01.1993					134 Ref: 054-059-183	3.8 Ref: 054-059-183			
22.01.1993	Serum iron of 9 (normal range 14-29) Ref: 055-054-223						9.1 Ref: 055-054-224		
27.01.1993	Retrograde Pyelogram Ref: 054-002-003								
08.02.1993	Cystoscopy & Retrograde Pyelogram Ref: 055-056-241 Consent Form Ref: 054-027-065 Anaesthetic Record Ref: 055-053-107 Medical Notes							Sodium Bicarbonate Iron Ref: 054-025-061	
10.02.1993	Admitted to Musgrave Clinic, RBHSC Ref: 055-053-108 Medical Notes Ref: 055-039-077 Nursing Notes		"Vomit x1 this afternoon" Ref: 055-039-077		130 Ref: 054-059-182	2.8 Ref: 054-059-182 Commenced on oral K Ref: 055-039-077	8.2 Ref: 055-054-222	Sodium Bicarbonate 7.5ml x3 daily Ferromyn 1ml x2 daily Ref: 054-020-050 & 055-	

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
			"Vomiting last pm" Ref: 055-053-108					053-110	
11.02.1993								Sodium Bicarbonate 7.5ml x3 daily Ferromyn 1ml x2 daily Ref: 054-020-054	
12.02.1993					133 Ref: 054-059-180	4.0 Ref: 054-059-180			
15.02.1993	Discharge from Musgrave Clinic, RBHSC Ref: 055-051-104 Discharge Letter							Sodium bicarbonate 8.4% 7.5mls Ferromyn 1ml 2 x day Ref: 055-051-104	
23.02.1993								Sodium Bicarbonate 8.4% 7.5ml x 3 daily Ferromyn 1ml 2 x day Ref: 016-064-106	Dialysis Clinic Ref: 016-064-106
27.03.1993	Admitted to Musgrave Ward, RBHSC Ref: 054-019-048 Admission Record Ref: 055-053-114 Medical Notes Ref: 054-018-046 Nursing Notes "Insertion of catheter into bladder" Ref: 055-053-114	Total: 1576 726 (IV) 850 (oral) Ref: 054-014-037	x3 PU+ Plus 1 vomit and 2 stools - volumes recorded Ref: 054-014-037 "Vomited on a few occasions overnight" Ref: 055-053-114		134 Ref: 054-059-179	3.7 Ref: 054-059-179	8.5 Ref: 055-054-221	Sodium Bicarbonate 7.5ml x 3 daily Ferromyn 1ml x2 daily Ref: 054-012-028	
28.03.1993		Total: 1686 1686 (IV) Ref: 054-014-035	PU++++ Plus vomits and 1 stool - volumes not recorded Ref: 054-014-035						
29.03.1993			"1 medium vomit after 10am" Ref: 054-018-046						
30.03.1993	Discharged from Musgrave Ward, RBHSC Ref: 054-017-041 Discharge Summary								
14.04.1993					134 Ref: 054-059-178	4.1 Ref: 054-059-178		Sodium Bicarbonate - may need to up dose Increase Ferromyn to 5ml daily Ref: 055-053-016	

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
20.04.1993	Admitted to Musgrave Ward, RBHSC "Recently - anaemia" Ref: 055-047-095 Admission Record Ref: 055-053-117 Medical Notes Ref: 055-039-078 Nursing Notes Cystoscopy & gastrostomy Ref: 055-056-242 Consent Form		"Problem with vomiting. Often vomits after first feed of day" Ref: 055-053-117 "Tends to constipation since ferromyn started" Ref: 055-053-118		131 Ref: 055-053-118 139 (4.26pm) Ref: 055-053-118	3.3 Ref: 058-011-033	8.1 Ref: 055-054-220	Sodium Bicarbonate 12.5ml x3 daily Ferromyn 5ml daily Ref: 054-004-007 "Needs Fe" Ref: 055-053-120	
21.04.1993					125 (9.42am) Ref: 055-053-120 134 Ref: 055-054-150	4.1 Ref: 055-054-150			
22.04.1993	Insertion of PEG tube, Cystoscopy & RGP Ref: 055-046-093 Operation Note		"Adam tends to wretch" Ref: 055-039-079						
25.04.1993	Discharged from Musgrave Ward, RBHSC Ref: 055-045-092 Discharge Letter							Sodium Bicarbonate 12.5mls Ferromyn 5mls Ref: 055-045-092	
04.05.1993	Admitted to Musgrave Ward, RBHSC Ref: 055-053-122 Medical Notes Ref: 055-039-080 Nursing Notes				131 Ref: 055-053-122 135 Ref: 054-059-155	3.8 Ref: 0534-059-155	7.2 Ref: 054-059-154	Sodium Bicarbonate 12.5mls x3 daily Ferromyn 5mls daily Ref: 055-041-086	
05.05.1993	Discharged from Musgrave Ward, RBHSC Ref: 055-043-089 Discharge Letter								
19.05.1993					137 Ref: 055-054-149	3.5 Ref: 055-054-149	7.4 Ref: 055-054-219		
15.06.1993					132 Ref: 055-054-148	3.3 Ref: 055-054-148	8.2 Ref: 055-054-218	Sodium Bicarbonate Ferromyn Ref: 055-053-122	
17.06.1993	"Slightly anaemic" Ref: 016-059-100							Ferromyn Ref: 016-059-100	Dialysis Clinic Ref: 016-059-100
30.06.1993			"Vomited x2-3 today" Ref: 055-053-125		137 Ref: 055-054-146	3.5 Ref: 055-054-146			
27.07.1993			"Still vomits every day if takes more than 150ml" Ref: 055-053-124					Sodium Bicarbonate 12.5mls x3 daily Ferromyn 5mls x2 daily Ref: 055-053-124	Dialysis Clinic Ref: 016-057-098

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
13.08.1993	Admitted to Musgrave Ward, RBHSC Ref: 055-037-070 Admission Record Ref: 055-053-126 Medical Notes Ref: 055-039-081 Nursing Notes				134 Ref: 055-054-139	3.6 Ref: 055-054-139	6.8 Ref: 055-054-233	Sodium Bicarbonate 12.5mls x3 daily Ferromyn 5mls x2 daily Ref: 055-038-072	
14.08.1993	Discharged from Musgrave Ward, RBHSC				138 Ref: 055-054-145	4.2 Ref: 055-054-145			
19.08.1993					132 Ref: 055-054-143	3.8 Ref: 055-054-143	7.5 Ref: 055-054-235		
20.08.1993								Sodium Bicarbonate 12.5mls x3 daily Ferromyn 5mls x2 daily Ref: 055-053-122	
31.08.1993					136 Ref: 055-054-141	4.2 Ref: 055-054-141			
08.09.1993								Sodium Bicarbonate 12.5mls x3 daily Ferromyn 5mls x2 daily Ref: 055-034-063	
16.09.1993	Gastroscopy Ref: 055-005-007 Consent Form Ref: 055-032-060 Anaesthetic Record Ref: 055-053-127 Medical Notes Ref: 055-053-129 Medical Notes Ref: 055-035-068 Nursing Notes							Sodium Bicarbonate 12.5mls x3 daily Ferromyn 5mls x2 daily Ref: 055-033-062	
23.09.1993					137 Ref: 055-054-140	3.5 Ref: 055-054-140	7.6 Ref: 055-054-234		
12.10.1993								Sodium Bicarbonate 12.5mls x3 daily Ferromyn 5mls x2 daily Ref: 016-056-097	Dialysis Clinic Ref: 016-056-097
20.10.1993					130 Ref: 055-054-138	4.4 Ref: 055-054-138	6.4 Ref: 055-054-232		
22.10.1993								"If his iron levels in his blood are reasonable, it may well be that he needs to have erythropoietin injections to build his blood up." Ref: 055-031a-058	
01.11.1993			"Adam is vomiting and unable to						

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
			maintain weight" Ref: 055-027-052						
02.11.1993								"I want to start him on erythropoietin 500 units twice weekly. Before doing this I need to check his iron status" Ref: 055-031-057 Ferromyn 10mls daily	Dialysis Clinic Ref: 016-055-096 "I expect he will need dialysis in the next year"
03.11.1993	Serum iron of 13 (normal range 14-29) Ref: 055-054-231								
17.11.1993 - 18.11.1993	Admitted to Musgrave Ward, RBHSC "Vomiting on admission - looks dry " Ref: 055-027-050 Ref: 055-029-055 Admission Record Ref: 055-053-130 Medical Notes Ref: 055-027-053 Nursing Notes	Total: 1248 748 (IV) 500 (oral) Ref: 055-026-049	PU++ Plus vomits - volume not recorded Ref: 055-026-049 "Problems with vomiting and diarrhoea" Ref: 055-053-130	33 Ref: 055-054-134	138 Ref: 055-054-136	3.9 Ref: 055-054-135 3.8 Ref: 055-054-136	7.3 Ref: 055-054-230	Sodium Bicarbonate 12.5ml x3 daily Ferromyn 5mls daily Ref: 055-022-038	
18.11.1993		Total: 1000 1000 (oral) Ref: 055-026-047	PU+++ Plus vomits - volume not recorded Ref: 055-026-047		131 Ref: 055-054-135	3.9 Ref: 055-054-135			
19.11.1993	Discharged from Musgrave Ward, RBHSC Ref: 055-023-041 Discharge Letter				138 Ref: 055-053-131			Sodium Bicarbonate 12.5ml x3 daily Ferromyn 5mls Ref: 016-053-094	
25.11.1993								Erythropoietin 250 units 2 x weekly Ref: 016-054-095	
14.12.1993	Discharged from Musgrave Ward, RBHSC "Gastrostomy Foley catheter replaced" Serum iron of 7 (normal range 14-29) Ref: 055-054-226 Ref: 055-019-035 Discharge Letter Ref: 056-037-085 Medical Notes				119 Ref: 055-054-159	1.9 Ref: 055-054-159	8.1 Ref: 055-054-228		
15.12.1993	Admitted to Musgrave Ward, RBHSC Ref: 055-021-037 Admission Record	29.25% of NaCl in 800ml bag prescribed			120 Ref: 055-054-133 122	2.2 Ref: 055-054-133 2.7	8.9 Ref: 055-054-229	"Needs [...] extra salt" Sodium 319mg and Iron	

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
	Ref: 056-037-084 Medical Notes Ref: 055-018-034 Nursing Notes	Ref: 056-037-085			Ref: 055-054-160	Ref: 055-054-160		5.5 mg as part of Gastrostomy feed Sodium Bicarbonate 12.5mls Ferromyn 5mls daily Na Low - Sodium Bicarbonate 15mls Ref: 055-003-004 Ref: 056-037-084	
16.12.1993	Discharged from Musgrave Ward, RBHSC Ref: 055-017-032 Discharge Letter Ref: 055-039-081 Nursing Notes			25 Ref: 055-054-161		Potassium added to tube feed & sodium Ref: 055-018-034		Sodium Bicarbonate 15mls Ferromyn 5mls Ref: 055-017-032	
18.12.1993			"Vomited x1 overnight" Ref: 055-053-131		138 Ref: 055-054-132	3.8 Ref: 055-054-132	8.3 Ref: 055-054-227		
21.12.1993					141 Ref: 055-054-158	5.4 Ref: 055-054-158	8.3 Ref: 056-040-140	Sodium Bicarbonate 15mls Ref: 056-037-084	
11.01.1994					128 Ref: 055-054-156	3.0 Ref: 055-054-156	9.8 Ref: 056-040-139		
20.01.1994					137 Ref: 056-038-098	4.1 Ref: 056-038-098	8.8 Ref: 056-040-137		
26.01.1994					136 Ref: 055-054-153	4.6 Ref: 055-054-153	8.3 Ref: 056-040-138		
15.02.1994					127 Ref: 056-038-097	3.8 Ref: 056-038-097	8.4 Ref: 056-040-136		Dialysis Clinic Ref: 016-047-087
25.02.1994	"It should be possible for us to put [in] a CAPD catheter" Ref: 057-059-118								
16.03.1994	Expressive language delay under observation in developmental checklists (general practice notes) Ref: 016-098-147								
22.03.1994	Admitted to Musgrave Ward, RBHSC Noted that Adam "vomits 1-2 times per day" Ref: 057-023-038 Ref: 055-011-018 Admission Record Ref: 057-025-041 Nursing Notes	Total: 768 768 (tube) Ref: 055-009-016	PU Ref: 055-009-016		132 Ref: 056-038-095	3.8 Ref: 056-038-095	8.9 Ref: 056-040-135	Sodium Bicarbonate - 12.5ml 4x daily Ferromyn 5ml daily Ref: 056-033-070 Ref: 057-023-037	

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
23.03.1994	PEG gastrostomy and CAPD catheter insertion Ref: 056-041-151 Consent Form Ref: 055-013-023 Anaesthetic Record Ref: 055-010-017 Operation Note	Total: 1608 1608 (IV) Ref: 055-007-013	x1 Ref: 055-007-013						
24.03.1994		Total: 2524 300 (IV) 2224 (oral) Ref: 055-007-011	PU++ - very wet Plus small vomit - volume not recorded Ref: 055-007-011		136 Ref: 056-038-094	3.6 Ref: 056-038-094	9.6 Ref: 056-040-134		
25.03.1994	Discharged from Musgrave Ward, RBHSC Ref: 056-034-074 Discharge Summary	Nothing recorded Ref: 055-007-009	"One vomit overnight" Ref: 057-025-042						
28.03.1994	Admitted for day to Musgrave Ward, RBHSC Ref: 056-034-072 Discharge Summary Ref: 057-101-177 Medical Notes		Vomiting once weekend Vomiting after feeds Ref: 056-037-088		140 Ref: 056-038-093	3.2 Ref: 056-038-093	8.9 Ref: 056-040-133	Sodium Bicarbonate 12.5mls x4 daily Ferromyn 5ml daily Ref: 056-003-010	
14.04.1994					135 Ref: 056-038-092	4.1 Ref: 056-038-092	9.1 Ref: 056-040-132	"The only thing he objects to in his therapy is in fact the Erythropoietin injections and we had thought that since his haemoglobin is running around 9 that perhaps we would try him on a 1000 units weekly rather than 500 twice weekly and see if his haemoglobin is maintained" Ref: 056-032b-069	Dialysis Clinic Ref: 016-045-081
17.04.1994	Admitted for day to Musgrave Ward, RBHSC Ref: 056-034-073 Discharge Summary Ref: 057-102-177 Medical Notes		"Vomiting" Ref: 057-102-177						
18.04.1994			"Vomiting" Ref: 057-102-178						
19.04.1994	Admitted for day to Musgrave Ward, RBHSC Ref: 056-034-073 Discharge Summary								

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
	Ref: 057-102-178 Medical Notes								
25.04.1994	Admitted for day to Musgrave Ward, RBHSC Ref: 057-096-171 Discharge Summary								
12.05.1994	Admitted for day to Musgrave Ward, RBHSC Ref: 057-102-178 Medical Notes								
03.06.1994					144 Ref: 056-038-091		8.5 Ref: 056-040-131		
09.06.1994	Adam presented with pain in his back. His creatinine had risen from 485 to 612 indicating that he may shortly have to go on dialysis - in July 1994 Ref: 016-043-079				129 Ref: 056-038-090	4.2 Ref: 056-038-090	8.6 Ref: 056-040-150		Dialysis Clinic Ref: 016-043-079
24.06.1994	Insertion (PI)								
07.07.1994					142 Ref: 056-038-109	4.0 Ref: 056-038-109	8.8 Ref: 056-040-149		
14.07.1994	Adam is to be admitted so that his mother could be trained in the use of the Pac-X Arrangements are to be made to have Adam's tissue typing done with a view to putting him on call for renal transplant Ref: 016-042-078 UKTSS Recipient Registration Form Ref: 056-030-065								Dialysis Clinic Ref: 016-042-078
21.07.1994					133 Ref: 056-038-108	3.7 Ref: 056-038-108	8.7 Ref: 056-040-148		
22.07.1994	Admitted for day to Musgrave Ward, RBHSC Ref: 056-093-168 Discharge Summary								
10.08.1994	Admitted for day to Musgrave Ward, RBHSC Ref: 056-031-066 Discharge Summary Removal of Peritoneal Ref: 056-031-066 Discharge Summary Ref: 057-102-180 Medical Notes				134 Ref: 056-038-105	4.6 Ref: 056-038-105	7.9 Ref: 056-040-145	Sodium Bicarbonate 8.4% 12.5mls QD Ferromyn Ref: 057-102-180	

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
	"Anaemic" Ref: 057-102-181								
23.08.1994	Admitted to Musgrave Ward, RBHSC Ref: 056-020-041 Admission Record Ref: 057-102-182 Medical Notes Ref: 056-029-061 Nursing Notes		PU++		133 Ref: 056-038-107	3.7 Ref: 056-038-107	7.9 Ref: 056-040-147	Sodium Bicarbonate 8.4% 12.5ml x4 daily Ref: 056-008-020	
24.08.1994	Insertion of Peritoneal Catheter (PD line) Central line inserted Ref: 056-041-152 Consent Form Ref: 056-021-042 Anaesthetic Record	Total: 1809 1809 (IV) Ref: 056-026-053	PU ++ very wet Vomits (unrecorded volume)						Commenced on Pac X this afternoon of 1.36% - 300ml total fill with 11 cycles. Ref: 056-029-061
25.08.1994		Total: 2030 2030 (IV) Ref: 056-024-048	x3 (PU+++) Ref: 056-024-048		131 Ref: 056-038-106	3.5 Ref: 056-038-106	7.9 Ref: 056-040-146		2 x 1.36% 250mls peritoneal fluid bags flushed in and out this afternoon
26.08.1994	Discharged from Musgrave Ward, RBHSC "Ventflon in right foot discontinued as foot appeared puffy" Ref: 056-016-034 Discharge Summary Ref: 056-029-062 Medical Notes	Total: 304 304 (IV)	PU+++						
02.09.1994	Admitted to Musgrave Ward, RBHSC Ref: 056-015-033 Admission Record Ref: 057-102-183 Medical Notes Ref: 056-009-023 Nursing Notes	Total: 1538 1538 (oral) Ref: 056-013-031	PU+ Ref: 056-013-031		140 Ref: 056-038-102	5.3 Ref: 056-038-102	7.9 Ref: 056-040-144	Ferrous Sulphate 10ml x 3 daily (N.B. Crossed out) Ref: 056-008-020 Sodium BiCarbonate 12.5ml 4x daily Ferromyn 5ml x4 daily Ref: 057-102-183	Education of Pac X Ref: 056-005-014 Adam is commencing dialysis by Pac X Ref: 056-007-018 Patient Progress Record for PacX training Ref: 056-010-025
03.09.1994	Admitted for day to Musgrave Ward, RBHSC Ref: 057-098-173 Discharge Summary	Total: 1364 1364 (IV) Ref: 056-013-030	PU+ Ref: 056-013-030					Sodium Bicarbonate 8.4% solution 15 mls QDS Ferromyn 5mls daily Ref: 057-098-173	Dialysis as listed. No problems. For Pac X overnight as arranged. Ref: 056-009-023
04.09.1994	Discharged from Musgrave Ward, RBHSC Ref: 056-005-014 Discharge Summary				137 Ref: 056-038-103	3.3 Ref: 056-038-103			

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
05.09.1994	Adam noted as having a headache and hearing noises in his ears. Ref: 057-105-264		"Loose stools last night x1 loos stool and foul smell this am. Vomit x1 this pm" Ref: 057-102-184		140 Ref: 056-038-104	3.5 Ref: 056-038-104			
06.09.1994	Admitted for day to Musgrave Ward, RBHSC Ref: 056-005-015 Discharge Summary Ref: 057-102-185 Medical Notes						7.8 Ref: 056-040-143		
07.09.1994					133 Ref: 056-038-101	3.4 Ref: 056-038-101	9.0 Ref: 056-040-142		
08.09.1994		1000mls of normal saline added to Nutrizon feed "to correct his salt problem" Ref: 057-101-176						Sodium Bicarbonate 12.5mls x4 daily Ferromyn 5mls daily Erythropoietin "to correct his anaemia" 750 units twice a week Ref: 057-101-176	300mls of dialysis fluid 6 times overnight Ref: 057-101-176
19.09.1994					138 Ref: 056-038-100	4.7 Ref: 056-038-100	7.5 Ref: 056-040-141		
13.10.1994	Anaemic - serum iron of 10 (usual range 14-29) Ref: 057-106-309						8.8 Ref: 057-106-310		Dialysis Clinic On dialysis every day 5 days per week home dialysis Ref: 016-010-025
10.11.1994					134 Ref: 057-103-202	4.5 Ref: 057-103-202	10.5 Ref: 057-106-308		Dialysis Clinic 5 days per week home dialysis Pac X automatic cyclor - 8 cycles at night, 300mls volume Ref: 016-009-024
18.11.1994	Admitted for day to Musgrave Ward, RBHSC Ref: 057-091-166 Discharge Summary Ref: 057-102-186 Medical Notes					4.7 Ref: 057-103-201	10.3 Ref: 057-106-307		
19.11.1994					136 Ref: 057-103-201				
24.11.1994	UKTSSA Recipient Registration Form for kidney/pancreas transplant providing his								

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
	tissue typing information & sensitisation status Ref: 057-070-131								
08.12.1994					139 Ref: 057-103-199	4.7 Ref: 057-103-199	10.8 Ref: 057-106-306	Sodium Bicarbonate Iron supplement Saline supplements Erythropoietin Ref: 016-006-021	Dialysis Clinic Ref: 016-006-021 8x300ml - all 1.36% Ref: 057-102-187
19.12.1994					138 Ref: 057-103-198	5.1 Ref: 057-103-198	10.6 Ref: 057-106-305		
12.01.1995		100mls normal saline due to: "tendency to salt loss through his residual kidney" Ref: 057-085-160			136 Ref: 057-103-213	4.8 Ref: 057-103-213	10.1 Ref: 057-106-304	Sodium Bicarbonate 12.5mls of 8.4% solution x4 daily Ferromyn 4mls daily Erythropoietin 750 units 2 x week Ref: 016-006-021	Dialysis Clinic Ref: 016-006-021 8x500ml all 1.36% 5 nights Ref: 057-102-187
17.01.1995									Ideal to have Adam on dialysis 6 nights a week & increase volume to 600mls and 10 cycles instead of eight. Ref: 057-084-159
18.01.1995	"Pyrexia and rigors" Ref: 057-082-157 Admitted for day to Musgrave Ward, RBHSC Ref: 057-082-157 Discharge Summary Ref: 057-102-187 Medical Notes				133 Ref: 057-103-212	4.6 Ref: 057-103-212	10.7 Ref: 057-106-303		
23.01.1995	Admitted for day to Musgrave Ward, RBHSC Ref: 057-082-156 Discharge Summary Ref: 057-102-188 Medical Notes								
27.01.1995	Admitted for day to Musgrave Ward, RBHSC Ref: 057-082-155 Discharge Summary Ref: 057-102-188 Medical Notes							Sodium Bicarbonate 12.5mg 4x daily Ferrsomol 4ml daily Ref: 057-104-225, 058-013-039	
30.01.1995	Admitted for day to Musgrave Ward, RBHSC Ref: 057-082-154 Discharge Summary								
02.02.1995	Adam "has two episodes at home when he had what sounded like rigors and we were				133 Ref: 057-103-210	4.6 Ref: 057-103-210	10.3 Ref: 057-106-320		Dialysis 6 nights a week. Cycles

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹	SERUM SODIUM (mmol/L) Range 135-145	SERUM POTASSIUM (mmol/L) Range 3.5-5.0	HAEMOGLOBIN LEVELS (g/dl) Range 11-15	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output	Highlighted results ≤ 25	Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	Highlighted results <2.5	Highlighted results <8		
	worried that there was some underlying problem which we could not spot” Ref: 057-075-138								increased from 8 to 10 and volume from 500-600mls Ref: 057-102-188
09.02.1995	Admitted for day to Musgrave Ward, RBHSC Ref: 057-071-132 Discharge Summary Ref: 057-102-189 Medical Notes Removal of Broviac line Ref: 057-114-335 Consent Form Ref: 057-077-141 Anaesthetic Record Ref: 057-102-189 Medical Notes Ref: 057-081-153 Nursing Notes				136 Ref: 057-103-209	4.6 Ref: 057-103-209		Ferromyn 4mls daily Erythropoietin 750 units 2 x week Ref: 016-039-070 Ref: 057-077-141	Dialysis Clinic 600ml fills, 10 times overnight - Pac-X Ref: 016-039-070 Dialysis cycles increased from 8 to 10 and volume from 500ml to 600ml to improve his results - urea crept up over 20 “Requires dialysis 6 nights in a week” Ref: 057-077-141
20.02.1995	Adam noted as having mild expressive language delay in the areas of phonology and syntax Ref: 016-037-067 Adam said to need input to improve his attention Ref: 016-037-067								
01.03.1995							9.4 Ref: 057-106-319		
02.03.1995		“He still needs about 2 litres a day because of his polyuric renal failure ” Ref: 016-036-065	Adam “is easily nauseated and vomits and always did vomit”. Ref: 016-036-065		134 Ref: 058-011-034			Ferromyn 4mls daily Erythropoietin 750 units 2 x week Sodium Bicarbonate 8.4% 7.5mls Ref: 016-036-065	Dialysis Clinic Ref: 016-036-065
13.04.1995	Anaemic - serum iron of 11 (usual range 14-29) Ref: 057-106-317				136 Ref: 057-103-206	4.4 Ref: 057-103-206	10.8 Ref: 057-106-318		
11.05.1995					139 Ref: 057-103-222	4.1 Ref: 057-103-222	11.9 Ref: 057-106-316	Fersamal 4mls daily Erythropoietin 750 units 2 x week Sodium Bicarbonate supplements “I am going to stop the Sodium Bicarbonate supplements before his	Dialysis Clinic 600ml fills, 15 times overnight - Pac-X Ref: 016-042-061

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
								next visit to see if he still needs these as it seems rather unlikely" Ref: 016-042-061 "Stop NaHCO3 prior to next visit" Ref: 057-102-191	
18.05.1995	Admitted for day to Musgrave Ward, RBHSC Ref: 057-063-123 Patient's Report Ref: 057-102-191 Medical Notes								
26.05.1995								Sodium Bicarbonate 12.5mls x4 daily Fersamal 4mls daily Ref: 057-051-108	
02.06.1995			"When well vomited maybe x2/day. Now vomits up to 6 times - sometimes unrelated to feeds and new vomits at night" Ref: 057-102-192						
08.06.1995	"More easily tired" Ref: 057-102-192 "In the past we have been giving him a lot of water to drink because he tends to be polyuric ". Ref: 057-056-114	Feeds changed to: 1200ml Nutrison paediatric, 40g Maxijul, 40g Calogen, 100ml Saline made up to 1700ml with water Ref: 057-068-128	Adam: "has been vomiting more at night". He also refers to Adam being polyuric and seeking to reduce the high volume of water given to reduce his vomiting - his dialysis removes 400mls of water a day Ref: 057-056-114 "Vomiting is worse" Ref: 057-102-191		124 Ref: 058-041-197	3.4 Ref: 058-041-197	10.6 Ref: 057-106-315	Erythropoietin 1000 units per week (previously on 750 units twice weekly) (Haemoglobin is excellent at 11.9 so his erythropoietin could be reduced) Fersamal 4mls daily Ref: 016-021-043	Dialysis Clinic 600ml fills, 15 times overnight - Pac-X Ref: 016-021-043
22.06.1995	Admitted for day to Musgrave Ward, RBHSC		"Increasing vomiting"						

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹ Highlighted results ≤ 25	SERUM SODIUM (mmol/L) Range 135-145 Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	SERUM POTASSIUM (mmol/L) Range 3.5-5.0 Highlighted results <2.5	HAEMOGLOBIN LEVELS (g/dl) Range 11-15 Highlighted results <8	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output						
	Ref: 057-054-112 Discharge Summary Ref: 057-102-192 Medical Notes		Ref: 057-054-112						
25.06.1995	Admitted for day to Musgrave Ward, RBHSC Ref: 057-049-102 Discharge Summary Ref: 057-102-193 Medical Notes				142 Ref: 057-103-216	3.9 Ref: 057-103-216	10.2 Ref: 058-041-217		
26.06.1995								Sodium Bicarbonate 25mls Ref: 057-045-075	
29.06.1995	Admitted for day to Musgrave Ward, RBHSC Ref: 057-045-075 Discharge Summary Ref: 057-102-195 Medical Notes Ref: 058-033-113 Medical Notes Ref: 058-030-090 Nursing Notes	Total: 2150 2150 (tube) Ref: 057-048-100	x3 PU Ref: 057-048-100		137 Ref: 057-103-220	3.7 Ref: 057-103-220	9.0 Ref: 058-041-223	Sodium Bicarbonate 25mg x2 daily Ferrous Sulphate (N.B. Both crossed out) Ref: 057-034-064	
30.06.1995		Total: 2300 2300 (tube) Ref: 057-048-098	x5 PU+ Ref: 057-048-098						Dialysis overnight Ref: 058-030-090
01.07.1995		Total: 2100 2100 (tube) Ref: 057-048-096	x5 PU Plus small vomits and stool - volume not recorded Ref: 057-048-096				8.4 Ref: 058-041-222		No Pac X dialysis overnight. For regular Pac X tonight Ref: 058-030-091
02.07.1995		Total: 2100 2100 (tube) Ref: 057-048-094	x5 PU Ref: 057-048-094						Dialysis overnight Ref: 058-030-092
03.07.1995		Total: ?? Ref: 057-048-092	PU+ Plus small vomit and stool - volume not recorded Ref: 057-048-092		140 Ref: 057-103-218	3.5 Ref: 057-103-218	7.7 Ref: 058-041-221		Dialysis overnight Ref: 058-030-092
04.07.1995		Total: ?? Ref: 057-048-090	PU Ref: 057-048-090				7.7 Ref: 058-041-219		Dialysis overnight Ref: 058-030-092
05.07.1995	? limping on L leg . Intermittent (fell L leg) Ref: 058-033-115	Total: 2100 1500 (tube) 610 (oral) Ref: 057-048-088	PU Plus loose stools - volume not recorded Ref: 057-048-088 "Vomiting over last few days. Diarrhoea" Ref: 057-102-193		139 Ref: 058-041-194	3.4 Ref: 058-011-034 3.7 Ref: 058-041-194	7.4 Ref: 058-041-213	Sodium Bicarbonate 12.5mls x4 daily Fersamal 4mls	Dialysis overnight Ref: 058-030-093

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹	SERUM SODIUM (mmol/L) Range 135-145	SERUM POTASSIUM (mmol/L) Range 3.5-5.0	HAEMOGLOBIN LEVELS (g/dl) Range 11-15	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output	Highlighted results ≤ 25	Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	Highlighted results <2.5	Highlighted results <8		
			"Small vomit" Ref: 058-030-093						
06.07.1995		Total: 1380 1380 (tube) Ref: 057-048-086	PU Plus loose stools - volume not recorded Ref: 057-048-086 "Adam vomited" Ref: 058-030-094						Pac-X Dialysis overnight Ref: 058-030-094
07.07.1995	CT Scan of brain & abdomen Ref: 057-114-332 Consent Form	Total: 1590 1590 (tube/oral) Ref: 057-048-084	PU+ Plus large vomit and stool - volume not recorded Ref: 057-048-084		134 Ref: 057-103-215	3.9 Ref: 057-103-215	6.4 Ref: 058-041-214	Sodium Bicarbonate 25mls x2 daily Ref: 057-031-058	Normal dialysis overnight. No dialysis tonight. Ref: 058-030-096
08.07.1995			Vomited x2 overnight Ref: 058-030-097						No dialysis tonight. Ref: 058-030-096
09.07.1995	Removal of gastrostomy tube & reinsertion of new tube (as per consent) Removal of PEG button and insertion of Foley catheter (as per anaesthetic record) Ref: 057-114-333 Consent Form Ref: 057-028-047 Anaesthetic Record								Dialysis as prescribed Ref: 058-030-097
10.07.1995			Large vomit overnight Ref: 058-030-098						Dialysis as ordered overnight Ref: 058-030-098
11.07.1995	Discharged from Musgrave Ward, RBHSC Ref: 057-045-075 Discharge Summary								
14.07.1995	"Anaemia" Ref: 057-044-074 Admitted for the day to Musgrave Ward, RBHSC for transfusion - white blood count poor Ref: 057-044-074 Discharge Summary Ref: 058-033-120 Medical Notes Ref: 058-030-099 Nursing Notes	Total: ?? Ref: 057-048-082			139 Ref: 058-041-195	3.5 Ref: 058-041-195	5.7 Ref: 058-041-211		

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹	SERUM SODIUM (mmol/L) Range 135-145	SERUM POTASSIUM (mmol/L) Range 3.5-5.0	HAEMOGLOBIN LEVELS (g/dl) Range 11-15	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output	Highlighted results ≤ 25	Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	Highlighted results <2.5	Highlighted results <8		
17.07.1995	"CAT scan head & abd" ⁷ Ref: 058-033-121 "Hb has fallen steadily from 10.5 - 5.5"				139 Ref: 058-141-193	3.4 Ref: 058-141-193	10.8 Ref: 057-106-313		
19.07.1995	"Anaemia" Ref: 057-042-072 Admitted for the day to Musgrave Ward, RBHSC for transfusion Ref: 057-043-073 Admission Record Ref: 057-042-072 Discharge Summary Ref: 058-033-122 Medical Notes Ref: 058-030-101 Nursing Notes Ref: 057-040-070 Letter to GP								
21.07.1995	"Anaemic" Ref: 057-041-071								
17.08.1995					139 Ref: 058-041-191	3.9 Ref: 058-041-191	9.6 Ref: 058-043-229		Dialysis no problem Ref: 058-035-127
18.08.1995	Clinic visit - "blood pressure today is fine" Ref: 057-036-066 Adam receiving treatment for social and behavioural problems Ref: 016-098-146								
14.09.1995					133 Ref: 058-011-034	4.0 Ref: 058-041-188	9.7 Ref: 058-041-189		
21.09.1995	Admitted for day to Musgrave Ward, RBHSC Ref: 058-027-080 Discharge Summary Ref: 058-035-127 Medical Notes Ref: 058-030-101 Nursing Notes Reinsertion of gastrostomy Reference to: "poor veins" Ref: 058-114-334 Consent Form Ref: 058-031-102 Anaesthetic Record Ref: 058-035-127 Medical Notes								
25.09.1995	Admitted for day to Musgrave Ward, RBHSC Ref: 058-027-081 Discharge Summary Ref: 058-035-128 Medical Notes								

⁷ This would appear to be a reference to the scan referred to at 7th July 1995

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹	SERUM SODIUM (mmol/L) Range 135-145	SERUM POTASSIUM (mmol/L) Range 3.5-5.0	HAEMOGLOBIN LEVELS (g/dl) Range 11-15	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output	Highlighted results ≤ 25	Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	Highlighted results <2.5	Highlighted results <8		
26.09.1995	Adam is referred for formal speech and language assessment Ref: 016-020-042								
28.09.1995	Admitted for day to Musgrave Ward, RBHSC Ref: 058-027-082 Discharge Summary				138 Ref: 058-041-202				
08.10.1995								Sodium Bicarbonate 12.5ml 4x daily Erythropoietin 1000 units per week Iron supplements Ref: 058-020-057	
12.10.1995					141 Ref: 058-041-201	3.5 Ref: 058-041-201	10.2 Ref: 058-043-227	Sodium Bicarbonate 12.5ml 4x daily Erythropoietin 1000 units per week Iron supplements Zantac was being prescribed for Adam's upset stomach Ref: 016-015-034	Dialysis Clinic 750ml fills, 15 times overnight - Pac-X Ref: 016-015-034
16.10.1995					141 Ref: 058-011-034				
18.10.1995	Admitted for day to Musgrave Ward, RBHSC Ref: 058-016-046 Discharge Summary Ref: 058-035-129 Medical Notes Ref: 058-020-059 Nursing Notes Gastrostomy corpak button & left orchidopexy Ref: 058-039-184 Consent Form Ref: 058-025-069 Anaesthetic Record				142 Ref: 058-041-200	4.0 Ref: 058-041-200		Sodium bicarbonate 12.5mls x4 daily Fersamal 4mlsw daily Ref: 058-020-057 Erythropoietin 1000 units/wk Ref: 058-035-129	
09.11.1995			PU ++		132 Ref: 058-041-199	4.3 Ref: 058-041-199	10.5 Ref: 058-043-226	Sodium Bicarbonate 12.5mls of 4% solution x4 daily Fersamal 4 mls daily Erythropoietin 1000 units 2x week Ref: 058-017-047 & 058-035-143	Dialysis Clinic 750ml fills, 15 times overnight - Pac-X Ref: 016-015-034
10.11.1995	Adam assessed as having mild expressive language delay and sent for review in March 1996 Ref: 016-016-035								
15.11.1995	Adam is shown to be due to start mainstream school in January 1996 and a								

TIME LINE	HOSPITAL ADMISSIONS PROCEDURES & NOTES	FLUIDS (mls)		URINE SODIUM (mmol/L) Range ¹	SERUM SODIUM (mmol/L) Range 135-145	SERUM POTASSIUM (mmol/L) Range 3.5-5.0	HAEMOGLOBIN LEVELS (g/dl) Range 11-15	MEDICATION	DIALYSIS - PRESCRIPTION & CYCLES
		Input	Output	Highlighted results ≤ 25	Highlighted results ≤ 125/≥ 155 or a fall of ≥ 10 over 24hrs	Highlighted results <2.5	Highlighted results <8		
26.11.1995	<p>plan is put in place for his educational, behavioural and toileting needs Ref: 016-013-032</p> <p>Admitted to Musgrave Ward, RBHSC Ref: 057-006-007 Admission Record Ref: 058-035-131 Medical Notes Ref: 057-014-019 Nursing Notes Ref: 058-038-182 ICU Notes Ref: 057-005-006 Discharge Summary</p> <p>Pre-surgery x-ray requested by Dr. D. O'Neill Ref: 057-019-028</p>	<p>500 mls x 2 of 0.18 sodium chloride/ 4% dextrose, @ 75 ml/h Ref: 057-010-014</p> <p>180ml/h of 'clear fluids' through his gastrostomy tube in addition to IV fluids which were reduced to 20ml/h Ref: 057-010-013</p>			<p>139 (9.30pm) Ref: 058-035-144 133 Ref: 301-081-547</p>	<p>4.3 Ref: 301-081-547</p> <p>3.6 Ref: 057-077-008</p>	<p>10.5 Ref: 301-081-543</p>	<p>Current medication includes Sodium Bicarbonate and Fersamal Ref: 057-013-017</p> <p>Gentamicin 6mg, Vancomycin 25mg Ref: 057-021-033</p> <p>Paracetamol Ref: 057-021-034</p>	<p>PacX dialysis - 750ml by 8 cycles: 22:00 to 06:00 on 27.11.95</p> <p>Ref:057-014-019 & 093-006-017</p>
27.11.1995	<p>Kidney transplant Ref: 058-039-185 Consent Form Ref: 058-003-007 Anaesthetic Record</p> <p>Moved to Children's ICU, RBHSC Ref: 056-006-016 ICU Letter</p> <p>"14:30- Emergency CT scan arranged. Went for CT scan at 1345" Ref: 058-038-182</p> <p>"Dr. Savage explained that Adam's CAT scan showed marked cerebral oedema". Ref: 058-038-180</p> <p>Epidural @ 06:30 this am- not problematic Ref: 058-035-135</p> <p>'(iv) Dioralyte overnight rather than Nutrison; (v) no Mannitol required in view of natural polyuric state". Ref: 058-035-133</p> <p>CVP recorded at 08:00 as 17mmHg Ref: 058-008-023 and rose to over 20mmHg at 09:00 Ref: 058-008-023</p>	<p>Total: 3843.8 518.8 (IV) 3000 (in theatre) Ref: 057-018-027</p> <p>(01:30am) cannula tissued so fluids through his gastrostomy increased from 180mls/hr to 200ml/h Ref: 057-014-019 & 057-010-013</p> <p>(5:00am) fluids stopped with Adam having received 970 ml of the 'clear fluids'. Ref: 057-010-013</p> <p>(07:00 - 07:30) 500ml of 0.18 % saline/</p>	<p>1500.5mls (total) 1460 (urine) 40.5 (aspiration) Ref: 057-018-027</p> <p>Blood loss recorded from swabs (328 ml) and towels (300ml) Ref: 058-007-021</p> <p>Blood loss is at 1200mls circa 12:05 Ref: 057-018-026</p> <p>(Theatre) fluids loss recorded as 911ml (in the suction bottle) Ref: 058-035-136 & 057-018-026</p> <p>Output from native kidneys since catheter</p>		<p>123 (09:32) Ref: 058-003-003 119 (13:00) Ref: 058-040-186 124 (16:30) Ref: 057-007-008 120 (22:00) Ref: 057-007-008</p>	<p>4.8 Ref: 058-040-186</p> <p>5.0 Ref: 301-081-548</p> <p>6.0 Ref: 301-081-549</p>	<p>6.1 Ref: 058-003-003</p> <p>10.6 Ref: 301-081-544</p> <p>14.4 Ref: 301-081-545</p>	<p>Medication during surgery: (i) atropine; (ii) sodium thiopentone; (iii) atracurium; (iv) augmentin; (v) methylprednisolone; (vi) neostigmine and glycopyrrolate administered to reverse the neuromuscular blockade Ref: 058-038-153; Ref: 058-003-005</p> <p>(14:00) 20% Mannitol 100mls Ref: 057-018-027</p> <p>(13:00) Cyclosporine- 3mg, Dopamine- 2.5 mg/kg/h</p> <p>(13:20) Diazemuls Ref: 058-005-011</p>	<p>Dialysis machine brought from Musgrave Ward and dialysis begins in 10x30 min cycles Ref: 057-015-021</p>

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	<p>CVP reached 30mmHg circa 10:00 Ref: 094-037-211 and 11mmHg circa 12:05 Ref: 058-008-023.</p> <p>12:00-14:50 'urinary output good from suprapubic catheter (is normally polyuric and has had mannitol 50ml)- no output at present from new kidney'. Ref: 058-038-170</p> <p>12:00- 14:00 blood pressure gradually rising prescribed sublingual adalat to relieve hypertension Ref: 058-038-153</p> <p>Dr. O'Connor records Adam's appearance as 'puffy'. Ref: 058-035-136</p> <p>SN Kyle records 'hand slightly puffy' after 21:30 Ref: 058-038-151</p> <p>First brain stem test carried out by Dr. Webb Ref: 058-004-009</p>	<p>4 % dextrose by Dr. Taylor Ref: 058-003-006 (07:30 - 08:40) 500ml of 0.18% saline/ 4% dextrose by Dr. Taylor Ref: 058-003-005</p> <p>(08:20) 400ml Human Plasma Protein Fraction (HPPF) started Ref: 058-003-005</p> <p>(08:40 - 11:00) 500ml Hartmann's solution and 500mls of 0.18% saline/ 4% dextrose given</p> <p>(09:15) 400ml of HPPF) Ref: 058-003-005</p> <p>(09:30) 250ml packed red blood cells started at circa 09:30 Ref: 058-003-005</p> <p>100ml HPPF given with 'only transient' effect Ref: 058-035-140</p>	<p>inserted recorded as 49ml & nil from his transplanted kidney Ref: 058-035-137</p> <p>(12:00 - 17:00) urine output was 529 ml Ref: 058-035-139</p> <p>Adam's fluid intake reduced to 10ml/h at 13:00 Ref: 058-035-137</p>						
28.11.1995	<p>01:00 CVP recorded at 17mmHg Ref: 058-035-141</p> <p>09:10 Second brain stem test carried out by Dr. Webb with Dr. O'Connor- full criteria recorded as fulfilled Ref: 058-004-009</p>	<p>01:00 Bolus at 100ml HPPF given Ref: 058-035-141</p>			<p>122 (2am) Ref: 057-020-031</p> <p>121 (4am) Ref: 057-007-008</p> <p>125 (8am) Ref: 057-007-008</p>	<p>6.4 Ref: 301-081-550</p> <p>6.3 Ref: 301-081-551</p>	<p>12.8 Ref: 301-081-546</p>	<p>Dopamine Ref: 057-017-024</p> <p>Dopamine at 01:00 Ref: 058-035-141</p>	<p>10 cycles of 1.36% dextrose dialysis fluid Ref: 057-015-021</p> <p>01:00- dialysis continues Ref: 058-035-141</p>

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	<p>11:30 Ventilatory support withdrawn, fluids and monitors discontinued and all lines removed as per instructions of Dr. Savage (with consent and in the presence of D. Slavin) Ref: 058-035-142 & 058-038-162.</p> <p>13:00 Nursing observations discontinued Ref: 058-038-164</p>								<p>03:00 Peritoneal dialysis stopped after discussion with Dr. Savage Ref: 058-035-141</p>