INDEX

abdominal approach 80–2 bladder bisection, O'Connor technique 81–2	bladder mobilization complete 61–7 incomplete 59–61
case selection 80	incomplete vs. complete mobilization 67
post-caesarean iatrogenic intra-cervical	bladder stones
fistulae 80	causes 4, 92
see also case studies (operative	detection 38–9, 93
principles) for the beginner;	management, operative techniques 94
operative principles and techniques	bupivacaine 28–9
abdominal examination 15	
Aberdeen Clinic and Fistula Centre,	
Freetown, Sierra Leone 119	caesarean section
Addis Ababa Fistula Hospital	catheter retention 21
obstetric fistulae descriptive	post-caesarean iatrogenic intra-cervical
template 12	fistulae 80
physiotherapy department 26	prevention of fistulae 22
theatre lighting set-up 32-4	vaginal vs. caesarean delivery 158, 159
urodynamic facilities 119	case studies (operative principles) for the
adrenaline	beginner
in anaesthesia 28	case selection 48
in operative access 40	difficult fistulae 52–4
African Medical and Research Foundation	easy vs. difficult fistulae 48
(AMREF) Flying Doctor Fistula	juxta-cervical fistula 53
Project 149	juxta-urethral fistulae 50, 52
amenorrhoea 4–5	mid-vaginal fistula, small 49
anaesthesia 28–9	pinhole fistula 52
anal sphincter injuries	simple fistulae 49–52
operative procedure 111–12	see also abdominal approach; operative
repair timing 111	principles and techniques, basic
antibiotic	circumferential fistulae 8
postoperative 29	operative techniques 59-69
use in fistula healing 22	ureteric involvement 68–9
Ashermann's syndrome 4–5	classification, obstetric fistulae
	Addis Ababa Fistula Hospital's
	descriptive template 12
bladder	Goh's system 10–11
bisection, O'Connor technique 81-2	recto-vaginal fistulae (RVFs) 101–110
closure techniques 42–5, 45–6, 56–67	scarring 9
prolanse 53	site 5–9

size 9	furosemide 42
Waaldijk's system 11–12	
classification of outcomes 148–9	genital mutilation 84-5
colostomy for RVF	Goh's classification, obstetric fistulae 10–
need for 103	11, 38
operative technique 104	,
complete mobilization, bladder 61–7	hydronephrosis 3
complications	hyponatraemia 27, 137–8
intra-vesical bleeding 154	71
operative problems 151	
rectal stenosis 154	iatrogenic injury
rectum injury 154	obstructed labour injury complex 9–10
ureter injury 151–2	post-caesarean intra-cervical fistulae 7,
contractures, lower limb 4, 25–6	22, 80
cryptomenorrhoea 5	rectum injury 154
J.F.	ureter injury 151–4
	ureteric fistulae 2–3, 19, 98–100
demographic data, Uganda vs. Ethiopia	incidence of RVF 101
158–9	incomplete mobilization, bladder 59–61
diagnosis	incomplete vs. complete mobilization 67
examination 15–19	incontinence
history taking 14–15	not related to obstructed labour 5
investigations 20	overflow 19
distal and proximal, definition 37	social consequences 3–4, 22, 128
double fistula (RVF/VVF)	incontinence management, post-repair
operative technique 105–9	assessment 113–14
preoperative preparation 105	pelvic floor exercises 114–15
dye test	rectus fascial sling 119–20
diagnostic 17–19	retention management 118
failed repair detection 95–7	urethral plication with a fibro-muscular
post operative 45–6	sling 115–17
post operative is o	urethral plug 121–22
	infertility 4–5
early cases	inoperable cases
conservative management 21–2	causes 123
early repair 22–3	urinary diversion 123–32
prevention at caesarean section 22	instruments, surgical
early leak, postoperative 142	basic 29–30
epinephrine see adrenaline	retractors 30
epinopinine see uareilume	scissors 30, 31
	suppliers 156–7
failed repair and re-operation 95-8	sutures and needles 30–1
attempts 98	theatre, arrangement and organization
dye test 95–7	29–30
HIV status 98	intra-cervical fistulae 7
operative techniques 95–8	combined juxta/intra-cervical fistulae
fibro-muscular sling 70–3	75–8
foot drop 3, 15, 25–6	operative techniques 76–8

intravenous pyelogram 20	operative principles and techniques, specific
	anal sphincter injuries 111–12
1.7.72	bladder bisection, O'Connor technique
juxta-cervical fistulae 7, 52	81–2
combined juxta/intra-cervical fistulae	bladder mobilization 59-67
75–8	bladder stones management 94
operative techniques 73–5	circumferential fistulae 54–69
juxta-urethral fistulae 5–7	colostomy for RVF 104
operative techniques 50, 52, 56–8	complications 151
	diagnostic dye test 17–19
	double fistula (RVF/VVF) 104–10
late leak, postoperative 142	
lidocaine 28–9	failed repair and re-operation 95–8
	fibro-muscular sling 70–3
	intra-cervical fistulae 78–9
Mainz pouch II	juxta-cervical fistulae 73–8
continence considerations 125–6	juxta-urethral fistulae 50, 52, 56
operative procedure 128–32	Mainz pouch II 128–32
malnutrition 4	Martius fat graft 89–92
Martius fat graft 89–92	pubo-cervical fascia repair 70
operative technique 90–2	rectus fascial sling 119-20
pros and cons 89–90	reducing incidence of stress incontinence
*	69–73, 115–17
mid-vaginal fistulae 7, 49	ureteric fistulae 98–100
mortality rates 150	urethral reconstruction 83–7
	vaginal skin defects 87–9
nursing care see postoperative nursing care	see also abdominal approach; case
	studies (operative principles) for the
	beginner
obstructed labour injury complex 2	overflow incontinence 19
iatrogenic causes 9–10	
primary conditions 2–3	
secondary conditions 3–5	palpation 16–17
O'Connor technique, bladder bisection	patient discharge, postoperative care 143-6
81–2	counselling 144
operative principles and techniques, basic	timing 143–4
	pelvic floor exercises for incontinence 114–
37–98	15, 142
access 39–42	perineal examination 15–16
advice to novice surgeons ix	pinhole fistulae 51
bladder closure 45–6	-
documentation and measurement 38-9	postoperative nursing care
haemostasis 47	catheter care 133–5
protection of ureters 42–4	catheter removal 140–2
reducing incidence of stress	common problems 142
incontinence 69–73	dryness 138–9
securing the indwelling catheter 47–8	fluid intake 135–8
urethral reconstruction 83–7	future pregnancies 145
vaginal closure 47	late problems 145–6
vaginal packing 47	leakage 142–3
O	

patient discharge 143–5	difficulties 145, 146			
patient mobilization 140	Sheehan's syndrome 4			
perineal toilet 139	slough removal 21			
record keeping 139	social consequences of obstetric fistula 3-4,			
repair failure 142–3	22, 128			
sexual relationships 145	re-integration 146			
ureteric catheters 140	stress incontinence			
vaginal packing 139	postoperative care 113–22, 142–3			
post-partum stress 19	reducing incidence, operative steps			
post-repair incontinence, management	69–73, 115–17			
113–22	stricture, postoperative care 145			
preoperative preparation	surgical techniques see operative			
bowel preparation 26–7	principles and techniques, basic;			
hydration 27	operative principles and techniques,			
neurological damage 24–6	specific			
patient expectations and explanation	•			
25–6				
patient fitness 24	theatre, arrangement and organization			
pressure sores 24	anaesthesia 28–9			
primipara vs. multipara 158, 159	antibiotics 29			
prognosis 13	instruments 29–30			
proximal, definition 37	lighting 32–4			
psychological disorders 4	operating table 31–2			
pubo-cervical fascia repair 70	patient position 28–9, 34–6			
pubo-coccygeal sling 70–3	surgeon's position 34–6			
	sutures and needles 30-1			
rectal stenosis 154	training			
recto-vaginal fistulae (RVFs) 101-10	books 155			
assessment 16, 102	instrument suppliers 156–7			
classification 101	materials 156			
colostomy 103–4				
definition 2, 15				
incidence 101	ultrasound scan 20			
results of repair 109-10	United Nations Population Fund 'End			
RVF/VVF double fistula 104-10	Fistula Campaign' vii, ix			
rectum injury 154	ureter injury 151–4			
rectus fascial sling, operative technique	ureteric catheters, postoperative			
119–21	care 140			
results assessment	ureteric fistulae			
classification 148-9	causes 2-3, 19, 98			
mortality rates 150	diagnosis 19, 99			
part-time vs. full-time fistula surgeon	operative technique 99–100			
149	ureteric involvement, circumferential			
record keeping 147-9	fistulae 68–9			
	ureters, protection during surgery 42-4			
	urethral destruction 56			
saddle anaesthesia 24	urethral leakage, postoperative 138			
sexual relationships, postoperative	urethral plug 121–2, 123			

urethral reconstruction, operative techniques from the bladder anterior wall 86–7 from existing tissue 83–5 urinary diversion continent ileal bladder 125 ileal conduit 124 Mainz pouch II 125–32 urinary infections, postoperative 145 urine dermatitis 4, 15 urostomy 124

vaginal examination 16–17 vaginal packing 47, 139

vaginal skin defects, operative techniques 87–9
vaginal stenosis 3
vaginal vs. caesarean delivery 158, 159
vault fistulae 8–9, 82
vertical closure, non-circumferential fistula 58–9
vesico-vaginal fistulae (VVFs)
causes 1–2
positions of ischaemic injury 2
RVF/VVF double fistula 104–10

Waaldijk's classification, obstetric fistulae 11–12 water intoxication *see* hyponatraemia