

香 港 大 學



**THE UNIVERSITY
OF HONG KONG**

**1998
CLINICAL
REPORT**

**The Department of
Obstetrics & Gynaecology
Queen Mary Hospital &
Tsan Yuk Hospital**



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MESSAGE FROM THE HEAD OF THE DEPARTMENT

Audit of clinical service plays an important part in continuous quality improvement. I would like to thank Dr TC Pun, Dr W To and Dr WM Wong for their effort in putting all the data of the service together to produce this report. Starting from the second half of 1998, the data of obstetric inpatients were collected and analysed with the Obstetric Specialty Clinical Information System developed by the Information Technology Department, Hospital Authority. The efficiency and the helpfulness of the team are most appreciated. The information on the various subspecialty services were compiled by Dr YM Chan, Dr H Lam, Dr CT Lau, Dr S Lee, Dr E Ng, Dr C Ngai, Dr OS Tang. I would also like to thank Ms A Yeung, Ms P Chau and her team, Ms T Poon and all the other staff in their contribution to the production of this report. Finally, I also express my appreciation to Ms Miranda Tang for her excellent secretarial support.

Pak-Chung Ho
Professor and Chair

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OBSTETRICS

STATISTICS

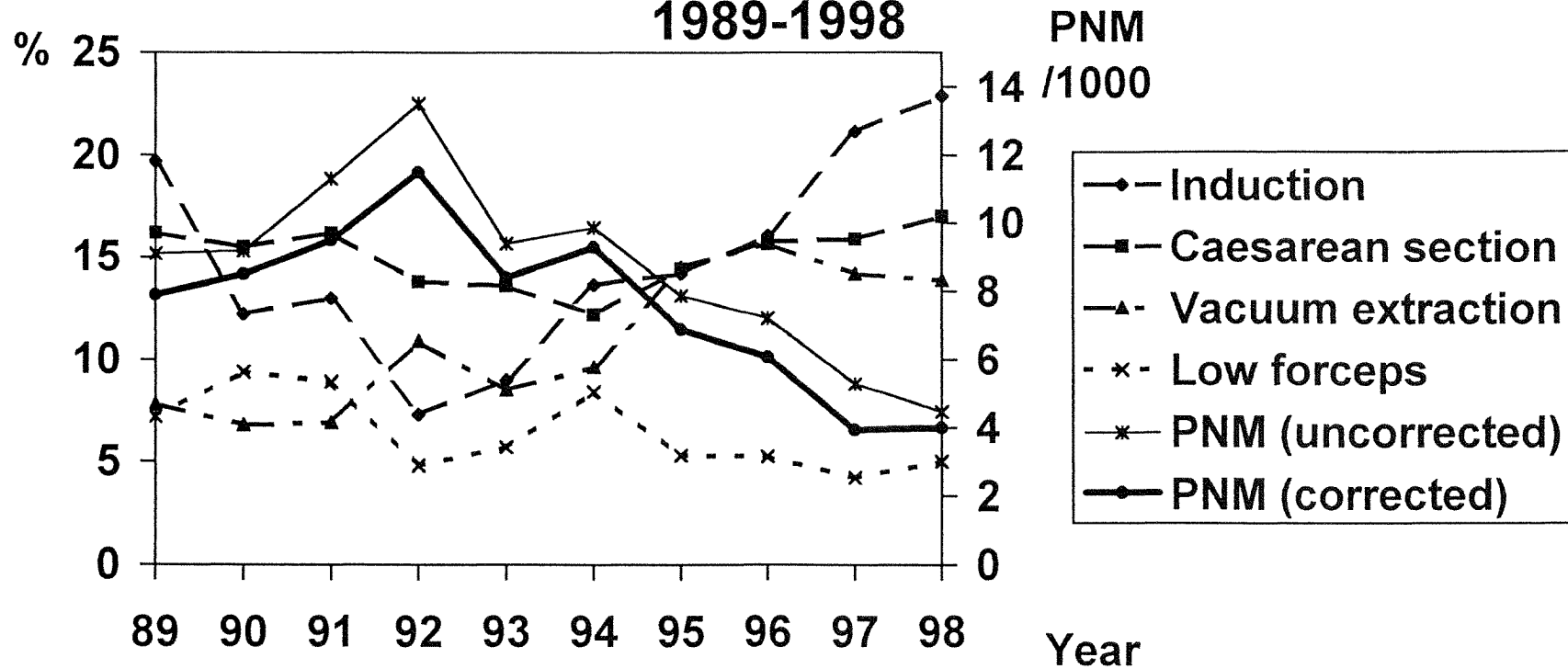
COMPARATIVE STATISTICS (1989 - 1998)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
TOTAL PATIENTS DELIVERED	5086	4190*	3428*	3435*	5393	5108	5023	5205	4861	4434
PRIMIPARAE	2559	1943	1621	1783	2728	2712	2597	2747	2555	2435
MULTIPARAE	2527	2247	1807	1652	2665	2396	2426	2458	2306	1999
PREGNANCY INDUCED HYPERTENSION	313	195	196	120	141	159	136	150	106	139
ECLAMPSIA	3	—	1	0	1	4	1	1	3	1
ACCIDENTAL HAEMORRHAGE	16	16	16	13	10	24	20	33	32	16
PLACENTA PRAEVIA	42	32	40	22	39	28	46	54	45	36
POSTPARTUM HAEMORRHAGE	96	119	115	147	141	241	158	140	117	80
INDUCTION OF LABOUR(%)	19.7	12.2	13.0	7.3	9.0	13.7	14.2	16.1	21.1	22.9
VACUUM EXTRACTION(%)	7.8	6.8	6.9	10.9	8.5	9.6	14.5	15.7	14.2	13.9
FORCEPS DELIVERY(%)	7.2	9.4	8.9	4.8	5.7	8.4	5.3	5.2	4.3	5.0
CAESAREAN SECTION(%)	16.2	15.5	16.2	13.8	13.6	12.2	14.4	15.8	15.9	17.0
MATERNAL DEATHS	1	0	1	0	0	2	1	2	0	0
INFANTS BORN IN HOSPITAL	5077	4200	3400	3418	5420	5137	5063	5249	4914	4481
INFANTS BORN BEFORE ADMISSION	53	45	58	53	34	28	24	26	16	18
TOTAL INFANTS BORN	5130	4245	3458	3471	5454	5165	5087	5275	4930	4499
STILLBIRTH RATE (PER 1000 TOTAL DELIVERIES)	4.4	4.0	4.6	7.8	5.9	5.8	4.9	4.2	4.1	2.9
NEONATAL DEATH RATE (PER 1000 LIVEBIRTHS)	6.6	6.2	7.0	7.8	4.6	5.3	4.2	3.8	1.4	1.6
PERINATAL DEATH RATE (PER 1000 LIVEBIRTHS)	9.1	9.2	11.3	13.5	9.4	9.9	7.9	7.2	5.3	4.5
CORRECTED PERINATAL DEATH RATE (EXCLUDING NON-BOOKED CASES WITH IUD ON ADMISSION)	7.9	8.5	9.5	11.5	8.4	9.3	6.9	6.1	3.9	4.0

* Reduction in deliveries due to renovation work.

INTERFERENCE RATES & PERINATAL MORTALITY

1989-1998



STATISTICAL SUMMARY

	Tsan Yuk Hospital	Queen Mary Hospital	
		Tang Chi Ngong	QMH
Obstetric Clinic Attendance			
Antenatal new cases	4131	109	435
Antenatal follow-up cases	15120	617	2632
Postnatal cases	1460	133	359
Postnatal follow-up cases	518	-	-
Combined diabetic clinic	-	-	269
Second Trimester Routine Scan	2236	-	-
Day Centre Attendance			
Cardiotocogram	1134		131
Oral glucose tolerance test	2671		347
Sugar profile	620		-
Blood pressure monitoring	221		-
Removal of stitches	2201		-
Wound inspection	137		-
Miscellaneous	212		-
Deliveries	3828		606
Booked	3722		473
Primiparae	2053		242
Multiparae	1669		231
Non-booked	106		133
Primiparae	60		80
Multiparae	46		53

PATIENTS' CHARACTERISTICS

Ethnic origin:		Number	%
	Chinese	4004	90.3
	Non-Chinese	430	9.7
Age(years):	Primiparous	28.4	
	Multiparous	31.5	
	All	29.8	
Parity at booking:		Number	%
	Primiparous	2435	54.9
	Multiparous	1999	45.1
Average height(cm)		157	
Average pre-pregnant weight(kg).		59	
Education level:		Number	%
	None	149	3.4
	Primary	320	7.2
	Secondary	2974	67.1
	Tertiary	759	17.1
Smoking habit:		Number	%
	Nonsmokers	4279	96.5
	=<20 per day	152	3.4
	>20 per day	3	0.1
Average family income(HK\$x1000)			18.7

CONGENITAL ANOMALY OF GENITAL AND URINARY TRACT

Total number	10
Incidence (%)	0.3

CARDIAC DISEASES

	Number	%
Rheumatic heart disease	16	0.4
Congenital heart disease	7	0.2
Mitral valve prolapse	10	0.2
Arrhythmia	8	0.2
Others	104	2.4

GESTATIONAL DIABETES* & PRE-EXISTING DIABETES MELLITUS

	Gestational DM*		Pre-existing
	IGT#	DM#	DM
Total number	396	42	8
Incidence(%)	8.9	1.0	0.2
Total no of babies	402	42	8
Number of CS	95	12	5
Stillbirth	0	0	0
Neonatal death	0	0	0
Perinatal death	0	0	0
Large for date babies (%)	63 (15.7)	12 (28.6)	0 (0)
Small for date babies (%)	15.7 (8.7)	28.6 (4.8)	0 (0)

* According to the Second International Workshop Conference on Gestational Diabetes(1985)

According to the WHO criteria(1980)

BLOOD DISORDERS

	Number	%
Anaemia	216	4.9
Iron deficiency	80	1.8
Alpha-thalassaemias	142	3.2
Beta-thalassaemias	74	1.7
Iron deficiency and thalassaemias	4	0.1
Others	61	1.4

RENAL DISEASES

Total number	16
Incidence (%)	0.4

LIVER DISEASES

Total number	6
Incidence (%)	0.2

RESPIRATORY DISEASES

Total number	32
Incidence (%)	0.7

GASTROINTESTINAL/GALL BLADDER DISEASES

Total number	1
Incidence (%)	0.0

EPILEPSY

Total number	6
Incidence (%)	0.1

OTHER NEUROLOGICAL DISEASES

Total number	9
Incidence (%)	0.2

PSYCHIATRIC DISEASES

Total number	12
Incidence (%)	0.3

AUTOIMMUNE DISEASES

Total number	12
Incidence (%)	0.3

THYROID DISEASES

Total number	48
Incidence(%)	1.1

SURGICAL DISEASES

Total number	3
Incidence (%)	0.1

MALIGNANT DISEASES

Total number	1
Incidence (%)	0.0

SEXUALLY TRANSMITTED DISEASES

Total number	29
Incidence(%)	0.7

Types	Cases
Syphilis	3
Gonorrhoea	0
Herpes simplex	3
Condyloma acuminata	7
Chlamydia trachomatis	12
Combination of above/others	4

OTHER INFESTATIONS/INFECTIONS

Total number	633
Incidence (%)	14.3
Types	Cases
Moniliasis	425
Trichomoniasis	9
Combination/others	199

OTHER ASSOCIATED CONDITIONS

	Cases	%
Hyperemesis gravidarum	4	0.1
Skin diseases	4	0.1
Kyphoscoliosis	2	0.1
Incompetent os	6	0.1
Drug addiction	2	0.1
Rhesus negative mothers	67	1.5
Others	96	2.2

HYPERTENSION IN PREGNANCY*

Total number	169
Incidence (%)	3.8
Primiparous	124
Multiparous	45

Type	Cases	Induction of labour	Caesarean# section	SB#	NND#	PND#
Gestational HT	74	42	22	0	0	0
G Proteinuria	12	3	3	0	0	0
G P HT	53	25	31	0	0	0
Chronic HT	11	4	2	0	0	0
C HT with PET	5	2	4	0	0	0
Unclassified HT/P	13	6	7	0	0	0
Eclampsia	1	0	1	0	0	0

Perinatal Mortality = 0.0/1000 total births

* according to Davey & MacGillivray (1988)

No of babies

ANTEPARTUM HAEMORRHAGE

Total number of cases	253
Incidence (%)	5.2

Mode of delivery of fetus versus types of antepartum haemorrhage*

Mode of delivery	Placenta praevia	Accidental haemorrhage	APH of ? origin	Extra placental
Spontaneous	2	5	71	3
Vacuum extraction	0	1	16	2
Low forceps	0	1	15	2
Vaginal Breech	0	0	1	0
Elective CS	13	0	4	1
Emergency CS	20	9	24	2
Total	37	16	131	10

Outcome of fetus versus causes of antepartum haemorrhage*

Outcome	Placenta Praevia	Accidental haemorrhage	APH of ? origin	Extra placental
Stillbirth	0	0	0	0
Neonatal death	0	0	1	0
Perinatal death	0	0	1	0

*No of babies

PRETERM DELIVERIES

Total number of cases	308
Incidence (%)	6.9

Parity	Total	Cases	%
Primiparous	2481	194	7.8
Multiparous	2018	114	5.7

Outcome	Cases	Rate
Stillbirth-antepartum	8	26.0
Stillbirth-intrapartum	0	0.0
Stillbirth-undetermined	0	0.0
Neonatal death	5	16.2
Perinatal death	13	42.2

Mode of delivery	Cases	%
Spontaneous vaginal delivery	145	47.1
Vacuum extraction	13	4.2
Low forceps	18	5.8
Vaginal breech delivery	16	5.2
Elective caesarean section	18	5.8
Emergency CS & others	98	31.8

Birth weight	Cases	%
<2500 g	197	64.0
<1500 g	41	13.3
<1000 g	21	6.8

Number of pregnancies	Total	Cases	%
Singleton	4373	252	5.8
Multiple pregnancies	126	56	44.4

NEONATAL COMPLICATIONS

	Cases	%
Admission to ICU >24 hours	71	23.1
Congenital abnormality	8	2.6
Major infection	10	3.3
Respiratory distress syndrome	2	0.7
Intraventricular haemorrhage	1	0.3
Necrotising enterocolitis	0	0.0

MULTIPLE GESTATION

Total number	61
Incidence (%)	1.4
Primiparous	42
Multiparous	19
Twins	57
Triplets	4
Quadruplets and higher order	0
Total number of babies	126
Preterm < 37 weeks	56
> = 37 weeks	70
Induced labour	13
Incidence of induced labour	21.3

Mode of delivery versus birthorder

	1st baby	2nd baby	3rd baby
Spontaneous vaginal	15	7	0
Vacuum extraction	3	3	0
Low forceps	2	2	0
Vaginal breech delivery	2	9	0
Other vaginal delivery	8	8	0
Caesarean section & others	31	32	4

Outcome of fetus versus birthorder

	1st baby	2nd baby	3rd baby
Livebirths	59	60	4
Stillbirth - antepartum	2	1	0
Stillbirth - intrapartum	0	0	0
Stillbirth - undetermined	0	0	0
Neonatal death	0	0	0
Perinatal death	2	1	0

POSTPARTUM HAEMORRHAGE

Total number of cases	80
Incidence (%)	1.8
Primiparous	42
Multiparous	38

Types	Cases	%
Primary PPH	68	1.5
Secondary PPH	12	0.3

Causes of Primary PPH

Causes	Cases
Uterine atony	34
Retained gestational product	21
Ruptured uterus	0
Cervical tear	7
Vaginal tear	7
Perineal wound	8
Genital haematoma	5
Uterine inversion	0
Consumptive coagulopathy	0
Others	3

Causes of Secondary PPH

Causes	Cases
Retained gestational product	8
Genital tract infection	2
Others	2

MANUAL REMOVAL OF PLACENTA

Total number of patients	51
Incidence (%)	1.2

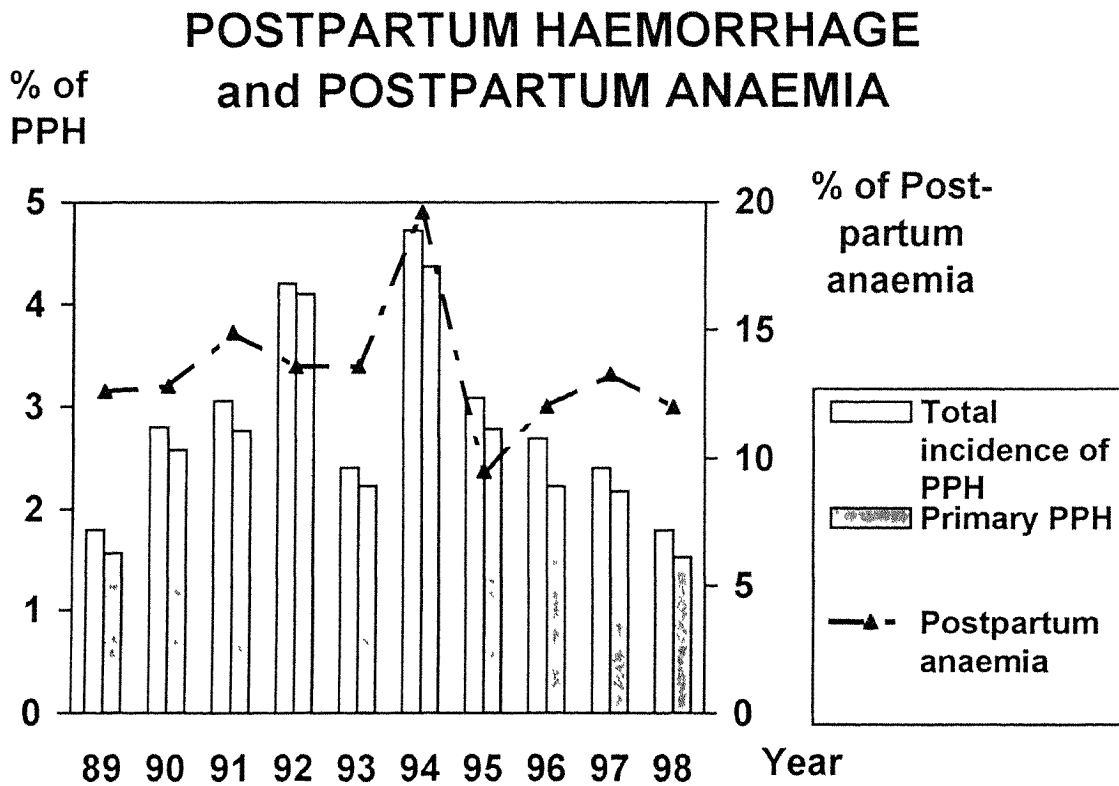
POSTPARTUM ANAEMIA *

	Total	Cases	%
Primiparous	2435	320	13.1
Multiparous	1999	212	10.6
Total	4434	532	12.0

Mode of delivery #	Total	Cases	%
Spontaneous vaginal	2844	312	11.0
Vacuum extraction	625	111	17.8
Low forceps	225	47	20.9
Vaginal breech	40	3	7.5
Elective CS	193	13	6.7
Emergency CS	572	52	9.1

*Patients with normal haemoglobin level (>10g%) before delivery but found to be anaemic (<10g%) after delivery

Number of babies



PUERPERAL PYREXIA

Total number of patients			123
Incidence (%)			2.8
Primiparous			93
Multiparous			31
Causes			Cases
Reactionary			17
Breast problem			14
Urinary tract infection			24
Genital tract infection			23
Wound infection			8
Other causes			9
Unknown			38
Mode of delivery	Total*	Cases*	Incidence
Spontaneous vaginal delivery	2844	31	1.1
Vacuum extraction	625	8	1.3
Low forceps	225	7	1.3
Vaginal breech	40	0	0
Elective caesarean section	193	13	6.7
Emergency CS and others	572	72	12.6

* No of babies

OTHER COMPLICATIONS

	Cases	%
Third degree tear	2	0.1
Other genital tract trauma	10	0.2
Ruptured uterus without PPH	2	0.1
Hysterectomy	1	0.0

TYPES OF LABOUR

Outcome of fetus versus types of labour

Type	not in labour	spon. onset	augmented labour	induced labour	total
Total births	334	2848	310	1007	4499
Stillbirth rate/1000	1 3.0	4 1.4	1 3.2	7 7.1	13 2.9
NND rate/1000	2 6.0	4 1.4	0 0	1 7.1	7 1.6
PND rate/1000	3 9.0	8 2.8	1 3.2	8 8.1	20 4.5

Mode of delivery versus types of labour

Mode of delivery	not in labour	spon. onset	augmented labour	induced labour	total
Total births	334	2848	310	1007	4499
Spontaneous vaginal (%)	2 0.6	2208 77.5	135 43.4	499 49.6	2844 63.2
Vacuum extract (%)	0 0	353 12.4	83 26.8	189 18.8	625 13.9
Low forceps (%)	0 0	129 4.5	21 6.8	75 7.4	225 5.0
Vaginal breech (%)	0 0	35 1.3	0 0	5 0.5	40 0.9
CS & others (%)	332 99.4	123 4.3	71 23.0	239 23.7	765 17.0

INDUCTION OF LABOUR

Total number of patients 1007
 Incidence (%) 22.9

Parity	Total	Cases	Incidence
Primiparous	2435	686	28.2
Multiparous	1999	309	15.5

Outcome of babies	Cases
Stillbirth - antepartum	7
Stillbirth - intrapartum	0
Stillbirth - undetermined	0
Neonatal deaths	1
Perinatal deaths	8

Mode of delivery	Cases	%
Spontaneous vaginal	499	49.5
Vacuum extraction	189	18.8
Low forceps	75	7.5
Vaginal breech	5	0.5
Caesarean section	239	23.7
Total*	1008	

Outcome of Induction#	Cases	%
Successful	812	81.6
Failure	183	18.4

* No of babies

Failure of induction is defined as absence of progressive cervical dilatation in the presence of regular uterine contractions

Indications for induction*

Indications	Primiparae	Multiparae
Diabetes/impaired glucose tolerance	17	12
Maternal diseases	1	4
Bad obstetrical history	0	4
Past term	175	104
Hypertension associated with pregnancy	54	10
Premature rupture of membranes	338	106
Antepartum haemorrhage	15	7
Multiple pregnancies	6	4
Suspected IUGR	13	15
Intrauterine death	5	1
Fetal anomaly	0	0
Suboptimal non-stress test	32	22
Social reason	2	1
Others	68	39

* There may be more than 1 indication for the induction of labour in a patient.

Induction delivery interval (mean)

8.8 hours

Induction delivery interval in whole group

	Number*	%
1-10 hours	647	64.2
11-20 hours	347	34.4
>20 hours	14	1.4

* No of babies

OBSTETRIC ANALGESIA DURING LABOUR

Patients with Intrapartum Epidural	717	
Primiparous	573	
Multiparous	144	
Epidural Rate	16.2%	
Number with induction of labour	363	(50.6%)
Mode of delivery		
Normal spontaneous	237	(32.9%)
Vacuum extraction	209	(29.0%)
Forceps delivery	78	(10.8%)
Vaginal breech delivery	5	(0.7%)
Caesarean section	191	(26.6%)

PREGNANCY FOLLOWING PREVIOUS CAESAREAN SECTION

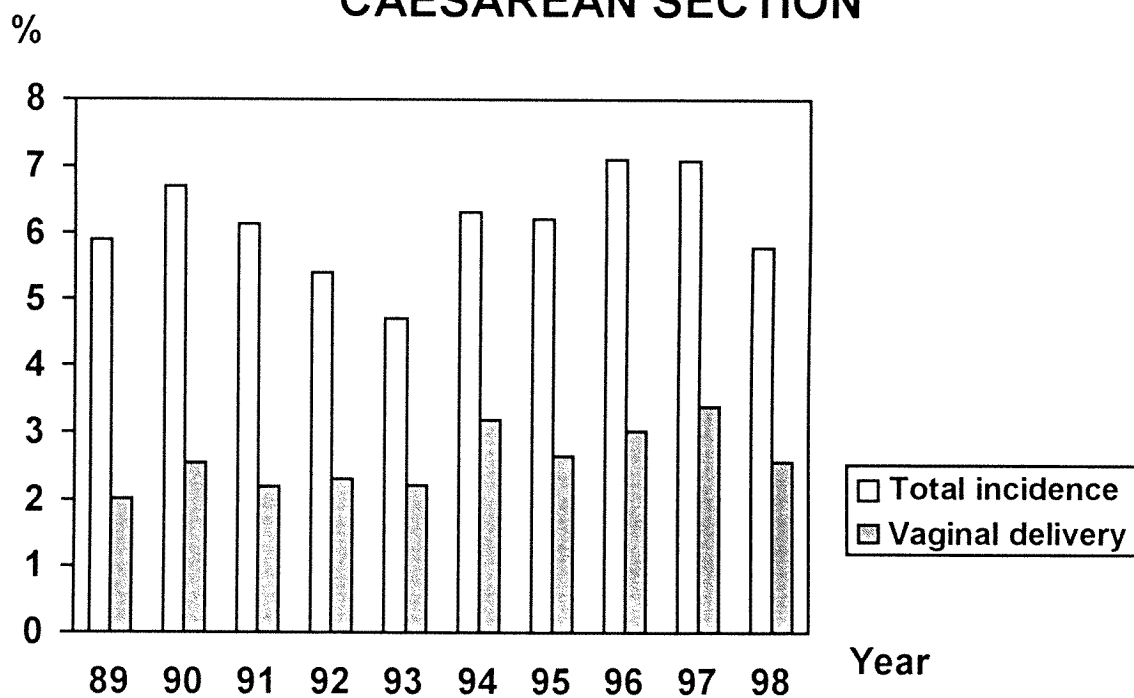
Total cases	256
Incidence (%)	5.8

Outcome of fetus	Cases*	Rate
Stillbirth	0	0
Neonatal death	0	0
Perinatal death	0	0

Mode of delivery	Cases*	%
Spontaneous vaginal delivery	83	32.4
Vacuum extraction	26	10.2
Low forceps	5	1.9
Vaginal breech delivery	0	0
Elective caesarean section	64	25.0
Emergency CS & others	78	30.5

* No of babies

PREGNANCY FOLLOWING PREVIOUS CAESAREAN SECTION



BREECH PRESENTATION

Total number of cases	198
Incidence (%)	4.4

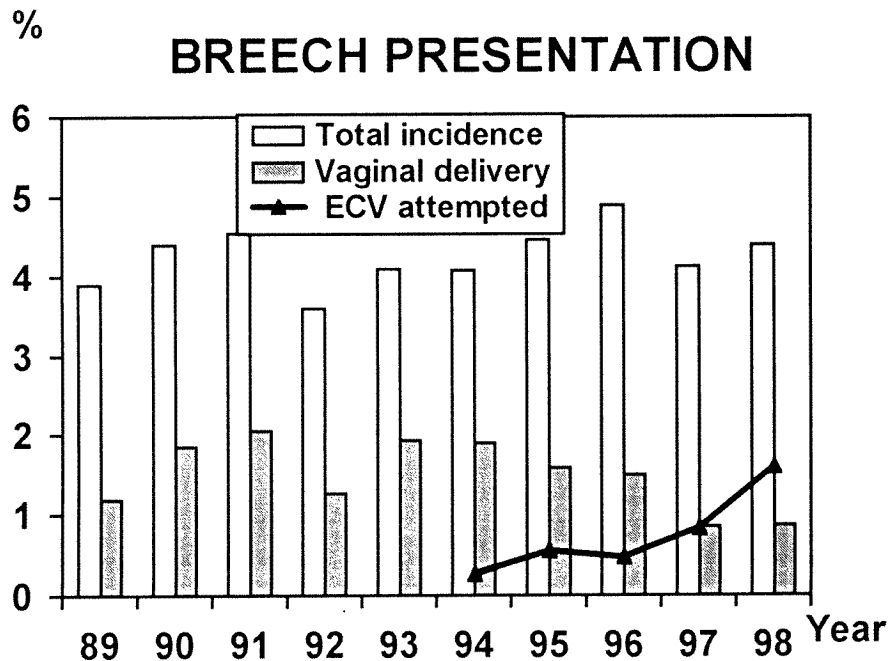
Parity	Total	Cases	%
Primiparous	2481	130	5.2
Multiparous	2018	68	3.4

Outcome	Cases	Rate
Stillbirth-ante partum	1	0.5
Stillbirth-intra partum	0	0.0
Stillbirth-undetermined	0	0.0
Neonatal death	2	1.0
Perinatal death	3	1.5

Mode of delivery	Cases	%
Assisted breech delivery	38	19.2
Other vaginal breech delivery	1	0.5
Elective caesarean section	72	36.4
Emergency CS & others	87	43.9

Gestational age at delivery	Total	Cases	%
<37 weeks	308	50	16.2
37-40 weeks	3543	141	4.0
>40 weeks	648	7	1.1

Number of pregnancies	Total	Cases	%
Singleton	4373	162	3.7
Multiple pregnancies	126	36	28.6



MALPRESENTATION OTHER THAN BREECH PRESENTATION*

Total cases	29
Incidence (%)	0.6

Mode of delivery	Face/brow	Compound	Transverse
Spontaneous vaginal	0	0	0
Vacuum extraction	0	0	0
Low forceps	0	0	0
Vaginal breech	0	0	0
Elective CS	0	0	13
CS & others	1	2	13
Total	1	2	26

Outcome of fetus	Face/brow	Compound	Transverse
Stillbirth-ante partum	0	0	0
Stillbirth-intrapartum	0	0	0
Stillbirth-undetermined	0	0	0
Neonatal death	0	0	0
Perinatal death	0	0	0

* Excluding malposition of occiput.

PROLAPSE & PRESENTATION OF UMBILICAL CORD

Total cases			1
Incidence (%)			0.0
Outcome of fetus	Cases		%
Stillbirth - antepartum	0		0
Stillbirth - intrapartum	0		0
Stillbirth - undetermined	0		0
Neonatal death	0		0
Perinatal death	0		0
Mode of presentation	Total	Cases	%
Vertex	4267	0	0
Breech : extended leg(s)	75	0	0
flexed legs	92	1	1.1
footling	31	0	0
Face/brow	1	0	0
Compound	2	0	0
Transverse/oblique	26	0	0
Others	5	0	0
Mode of delivery	Number		%
Spontaneous vaginal	0		0
Vacuum extraction	0		0
Low forceps	0		0
Assisted breech delivery	0		0
Other breech delivery	0		0
Caesarean section	1		100

MODE OF OPERATIVE DELIVERY

Total number				1615
Incidence (%)				35.9
Parity	VE	LF		CS
Primiparous	510	189		475
Multiparous	115	36		290
Total	625	225		765
Incidence (%)	13.9	5.0		17.0

Types of abdominal delivery	Number
Elective LSCS	192
Elective classical LSCS	1
LSCS	571
Classical CS	1
Caesarean hysterectomy	0
Others (laparotomy etc)	0

Outcome of fetus	VE	LF	Elective CS	Emergency CS & others
Livebirths	625	225	193	571
Stillbirths	1	0	0	1
Neonatal death	0	0	0	4
Perinatal death	1	0	0	5

INDICATIONS FOR ASSISTED DELIVERY*

Indication	VE	LF
Maternal disease	9	3
Maternal distress	24	4
Previous caesarean section	2	0
Obstetric complications	1	1
Fetal distress	205	89
Cord Prolapse	0	0
Prolonged second stage	381	126
Others	15	13

INDICATIONS FOR CAESAREAN SECTIONS*

Indication	Number
GDM/DM	5
Maternal disease	8
Previous uterine scar	141
Bad obstetric history	4
Antepartum haemorrhage	44
Hypertension	29
Multiple pregnancy	68
Fetal distress	112
Cord prolapse	2
Intrauterine growth retardation	32
Malpresentation/lie	141
No progress of labour	56
Cephalopelvic disproportion	111
Contracted/unfavourable pelvis	20
Failed instrumental delivery	7
Tumour/anomaly	2
Failed induction	85
Elderly/Infertility	0
Suspected macrosomia	13
Social reason	1
Others	16

* There may be more than one indication for assisted delivery

APGAR SCORES AT BIRTH VERSUS MODE OF DELIVERY*

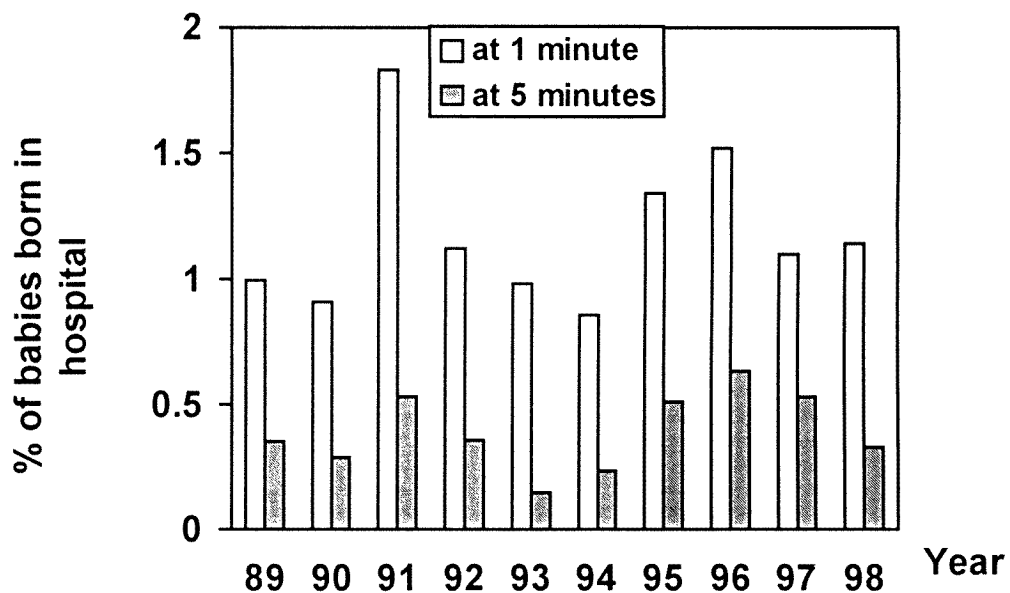
Apgar score at 1 minute

Method of delivery	AS <4	AS 4-6	AS >6	Subtotal
Spontaneous vaginal	12	63	2752	2827
Vacuum extraction	12	77	536	625
Low forceps	2	17	206	225
Vaginal breech	8	10	22	40
Elective CS	1	7	185	193
Emergency CS & others	16	59	496	571
Total	51	233	4197	4481
%	1.1	5.2	93.7	

Apgar score at 5 minute

Method of delivery	AS <4	AS 4-6	AS >6	Subtotal
Spontaneous vaginal	9	0	2818	2827
Vacuum extraction	2	9	614	625
Low forceps	0	2	223	225
Vaginal breech	1	5	34	40
Elective CS	0	1	192	193
Emergency CS & others	3	7	561	571
Total	15	24	4442	4481
%	0.3	0.5	99.2	

NEONATAL ASPHYXIA* (APGAR SCORES LESS THAN 4)



*Excluding babies born before arrival

PERINATAL DATA

Total livebirths & stillbirths	4499
Primiparous	2481
Multiparous	2018
Born before arrival	18
Total livebirths	4486
Primiparous	2471
Multiparous	2015

BASIC INFORMATION

Total birth \geq 500 g	4499
Average birthweight(g)	3144 (sd= 676)
Stillbirth \geq 500 g	13
Early (1st week) neonatal deaths	7
Late (2nd-4th week) neonatal deaths	0
Total birth \geq 1 kg	4479
Stillbirth \geq 1 kg	9
Early (1st week) neonatal deaths	6
Late (2nd-4th wk) neonatal deaths	0
Stillbirths with lethal malformations	2
Neonatal deaths with lethal malformations	2
Perinatal deaths with lethal malformations	4
Lethal malformation rate per 1000 births	0.9

EXCLUDING LETHAL MALFORMATION (including < 1 kg)

Stillbirth rate per 1000 total births n= 11	2.4
Neonatal mortality rate per 1000 livebirths n= 4	0.9
Perinatal mortality rate per 1000 total births n= 15	3.3

EXCLUDING BIRTH < 1 kg (including malformation)

Stillbirth rate per 1000 total births n= 9	2.0
Neonatal mortality rate /1000 livebirths n= 6	1.3
Perinatal mortality rate /1000 total births n= 15	3.3

EXCLUDING BIRTH < 1 kg and babies with lethal malformation

Stillbirth rate per 1000 total births n= 8	1.8
Neonatal mortality rate /1000 livebirths n= 0	0
Perinatal mortality rate /1000 total births n= 2	0.4

SUMMARY OF FETAL LOSS

	Total	Stillbirths	
		Number	rate
Total	4499	13	2.9
Booked	4254	11	2.6
Non-booked	245	2	8.2
Primiparous	2481	10	4.0
Multiparous	2018	3	1.5

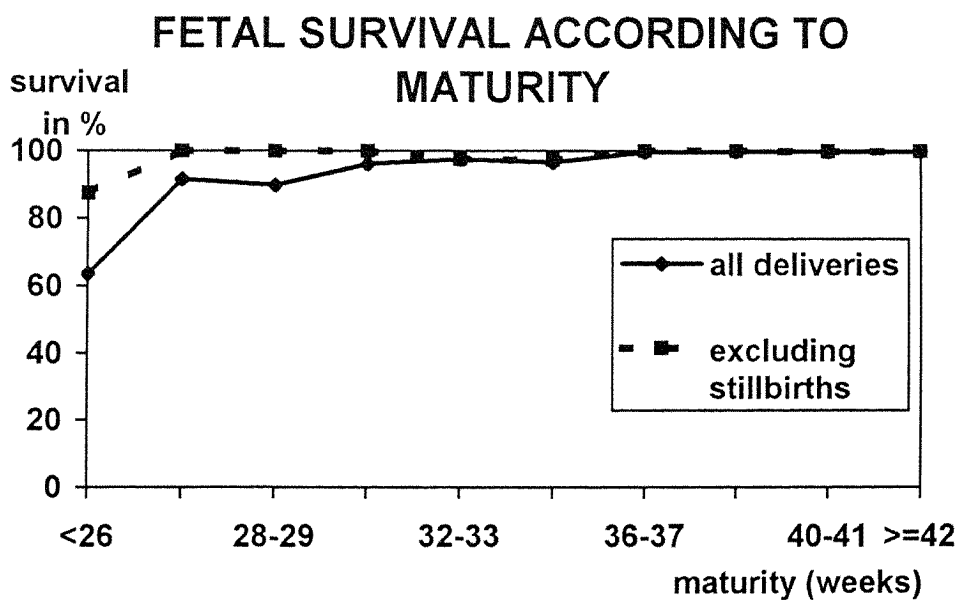
	Livebirths	Neonatal deaths	
		Number	rate
Total	4486	7	1.6
Booked	4243	5	1.2
Non-booked	243	2	8.2
Primiparous	2471	4	1.6
Multiparous	2015	3	1.5

	Total	Perinatal deaths	
		Number	rate
Total	4499	20	4.5
Booked	4254	16	3.8
Non-booked	245	4	16.3
Primiparous	2481	14	5.6
Multiparous	2018	6	3.0

FETAL LOSS VERSUS GESTATIONAL AGE*

Gestational age (weeks)	Total births	Live births	Stillbirth	Neonatal deaths	Perinatal deaths
<26	11	8	3	1	4
rate /1000			272.7	90.9	363.6
26-27	12	11	1	0	1
rate /1000			83.3	0	83.3
28-29	10	9	1	0	1
rate /1000			100	0	100.0
30-31	26	25	1	0	1
rate /1000			38.5	0	38.5
32-33	42	42	0	1	1
rate /1000			0	13.8	23.8
34-35	114	113	1	3	4
rate /1000			8.8	26.3	35.1
36-37	360	359	1	0	1
rate /1000			2.8	0	2.8
38-39	1660	1657	3	0	3
rate /1000			1.8	0	1.8
40-41	2193	2191	2	2	4
rate /1000			0.9	0.9	1.8
>=42	71	71	0	0	0
rate /1000			0	0	0
Total	4499	4486	13	7	20

* For this analysis, the gestational age was calculated to the nearest week based on either L.M.P., early ultrasound dating scan or the postnatal assessment of the newborn with Dubowitz score. Babies with inadequate assessments are excluded.

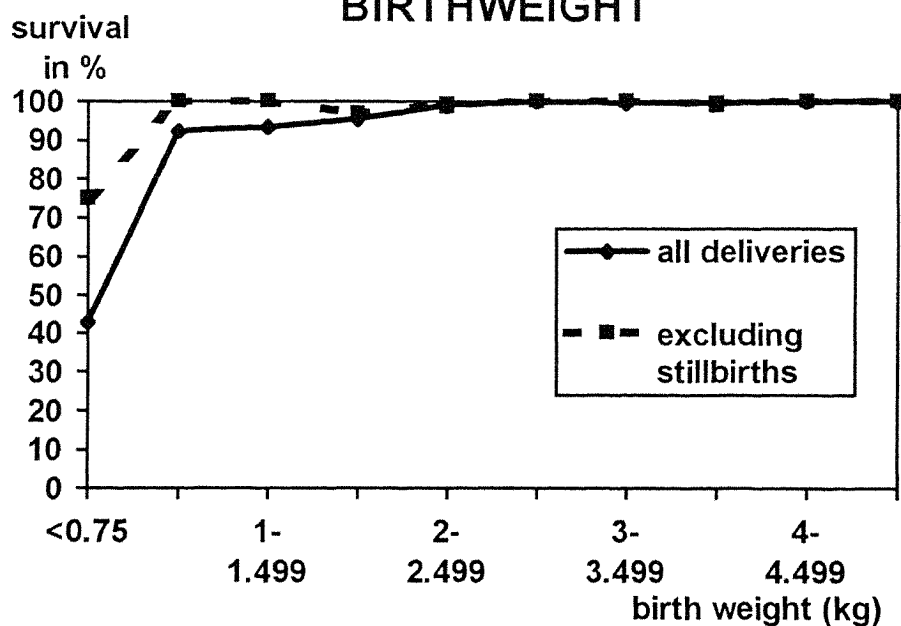


NUMBER OF FETAL LOSS VERSUS BIRTH WEIGHT*

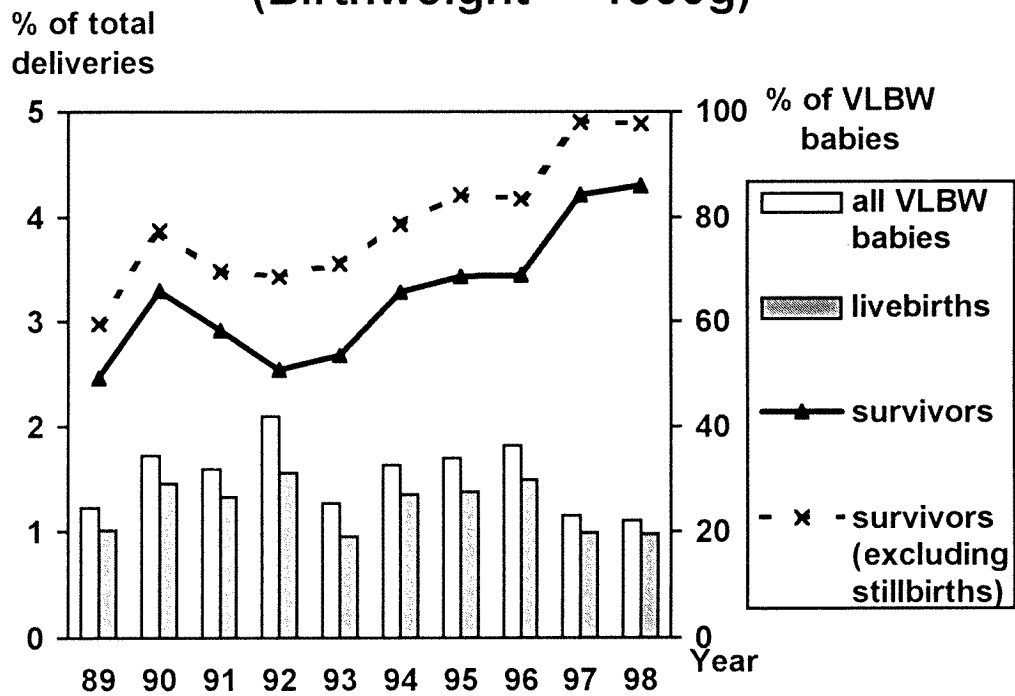
Birth weight in grammes	Total births	Live births	Still births	Neonatal deaths	Perinatal deaths
500-749	7	4	3	1	4
rate /1000			428.6	250.0	571.4
750-999	13	12	1	0	1
rate /1000			76.9	0	76.9
1000-1499	30	28	2	0	2
rate /1000			66.7	0	66.7
1500-1999	68	67	1	2	3
rate /1000			14.7	29.9	44.1
2000-2499	247	246	1	2	3
rate /1000			4.1	8.1	12.1
2500-2999	1211	1210	1	0	1
rate /1000			0.8	0	0.8
3000-3499	1914	1911	3	0	3
rate /1000			1.6	0	1.6
3500-3999	853	852	1	2	3
rate /1000			1.2	2.4	3.5
4000-4499	139	139	0	0	0
rate /1000			0	0	0
>=4500	17	17	0	0	0
rate /1000			0	0	0
Total	4499	4486	13	7	20

* Babies with unknown birthweight are excluded.

FETAL SURVIVAL ACCORDING TO BIRTHWEIGHT



OUTCOME OF VLBW BABY (Birthweight ≤1500g)



GESTATIONAL AGE AND FUNCTIONAL MATURITY

	S.G.A.	A.G.A.	L.G.A.	Total
Preterm	51	221	36	308
Term	393	3052	410	3855
Posterm	40	251	45	336
Total	484	3524	491	4499
(%)	10.8	78.3	10.9	

Definition: S.G.A. less than 10th percentile for gestational age
 L.G.A. more than 90th percentile for gestational age
 A.G.A. appropriate for gestational age

CAUSE FOR STILLBIRTHS*

1	Congenital anomaly	1
2	Isoimmunization	0
3	Pregnancy induced hypertension	0
4	Antepartum haemorrhage	0
5.	Mechanical	1
6	Maternal disorder	0
7	Miscellaneous (Infection)	2
8	Unclassifiable	0
9	Unexplained	9
	Total	13

OBSTETRICAL CAUSES OF NEONATAL DEATHS*

1	Congenital anomaly	3
2	Isoimmunization	0
3	Pregnancy induced hypertension	0
4	Antepartum haemorrhage	1
5	Mechanical	0
6	Maternal disorder	0
7	Miscellaneous/Unclassifiable	3
8	Unexplained	0
	Total	7

PAEDIATRIC CLASSIFICATION OF CAUSE OF NEONATAL DEATHS

Cause	Major	Attributory
Congenital anomaly	4	0
Haemolytic disease of newborn	0	0
Hypoxia	1	0
Birth trauma	0	0
Respiratory distress syndrome	0	1
Intracranial haemorrhage	1	0
Infection	0	0
Others	0	0
Miscellaneous	1	0

BIRTH TRAUMA

Total cases	62
Incidence (%)	1.4

TYPES OF BIRTH TRAUMA*

	Number
Cephalhaematoma	24
Soft tissue trauma	1
Subaponeurotic haemorrhage	4
Intracranial haemorrhage	3
Fractures	29
Nerve injury	2
Visceral injury	0
Fetal outcome	
Stillbirths	0
Neonatal deaths	1
Perinatal deaths	1

Mode of delivery

	Total	Cases	Incidence /100 births
Spontaneous	2844	26	0.9
Vacuum extraction	625	28	4.5
Low forceps	225	6	2.7
Vaginal breech	40	0	0
Elective caesarean section	193	0	0
Emergency CS & others	572	2	0.4

* Each baby may have more than 1 type of trauma

CONGENITAL MALFORMATION

Total number	142
Incidence (%)	3.2

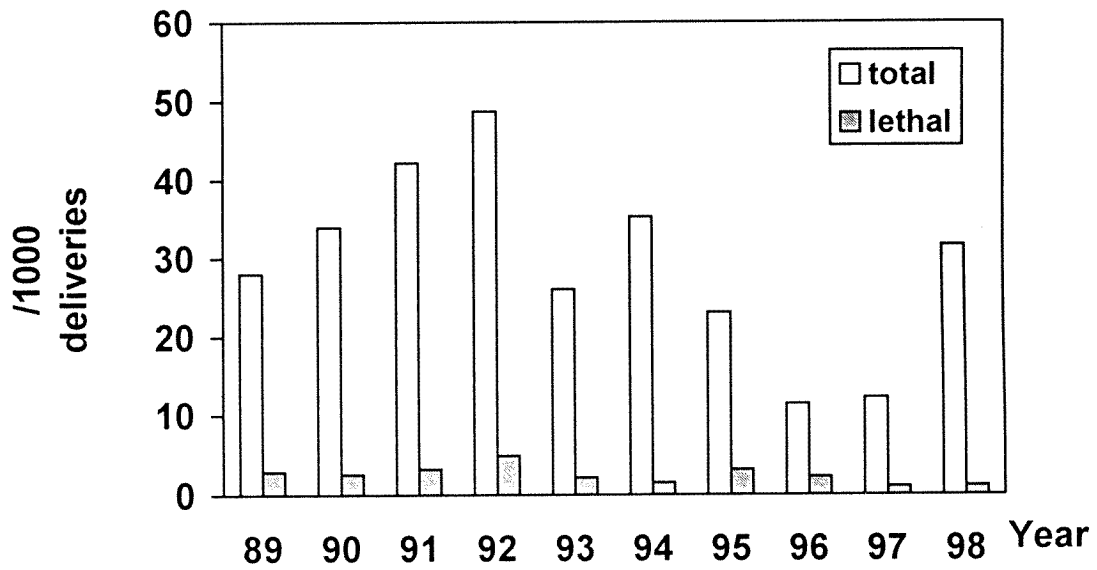
TYPES OF MALFORMATIONS

Chromosomal abnormalities	5
Central nervous system	0
Face, eye, ear, oral cavity	9
Gastrointestinal tract	19
Cardiovascular system	8
Respiratory system	50
Urogenital system	14
Skeletal system	33
Multiple abnormalities	2
Others	2

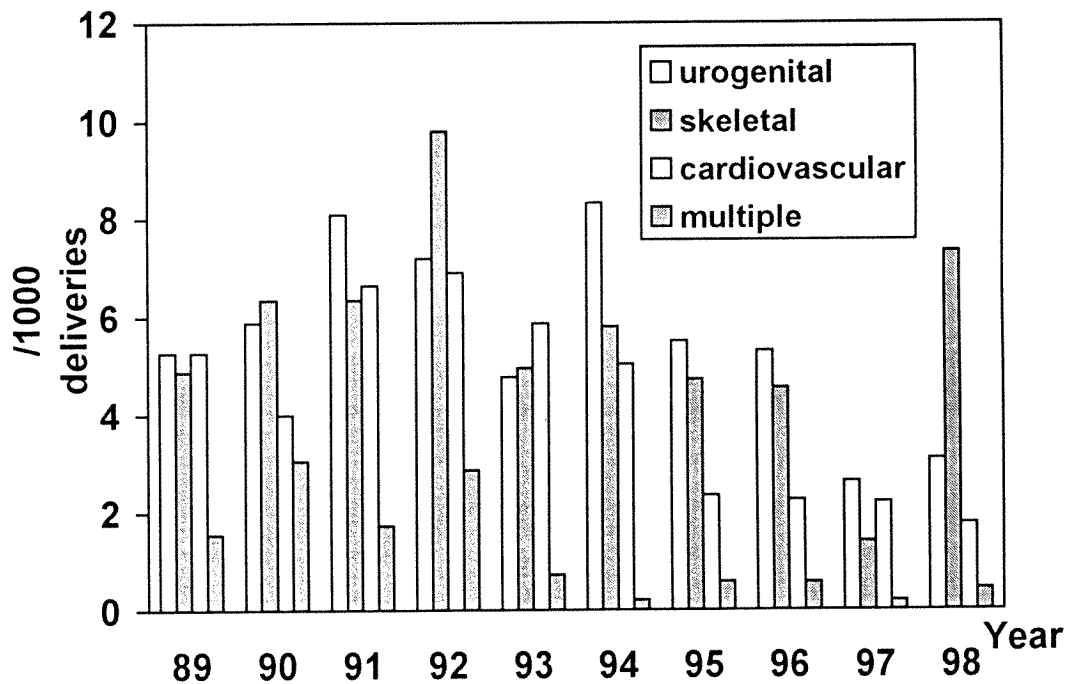
Fetal mortality	
Stillbirth	2
Neonatal deaths	3
Perinatal deaths	5

Incidence (%)	
among livebirths	3.1
among stillbirths	15.4
among neonatal deaths	42.9
among low birth weight babies (<2.5 kg)	1.5

CONGENITAL MALFORMATIONS



TYPES OF CONGENITAL MALFORMATIONS



OTHER NEONATAL COMPLICATIONS

	Cases	%
Admission To Intensive Care Unit	159	3.5
Respiratory Distress Syndrome	10	0.2
Intraventricular Haemorrhage	34	0.8
Necrotising Enterocolitis	18	0.4
Major Infection		
Congenital infection	2	0.0
Pneumonia	30	0.7
Septicaemia	6	0.1
Meningitis	1	0.0
Other major infection	2	0.0

GYNAECOLOGY

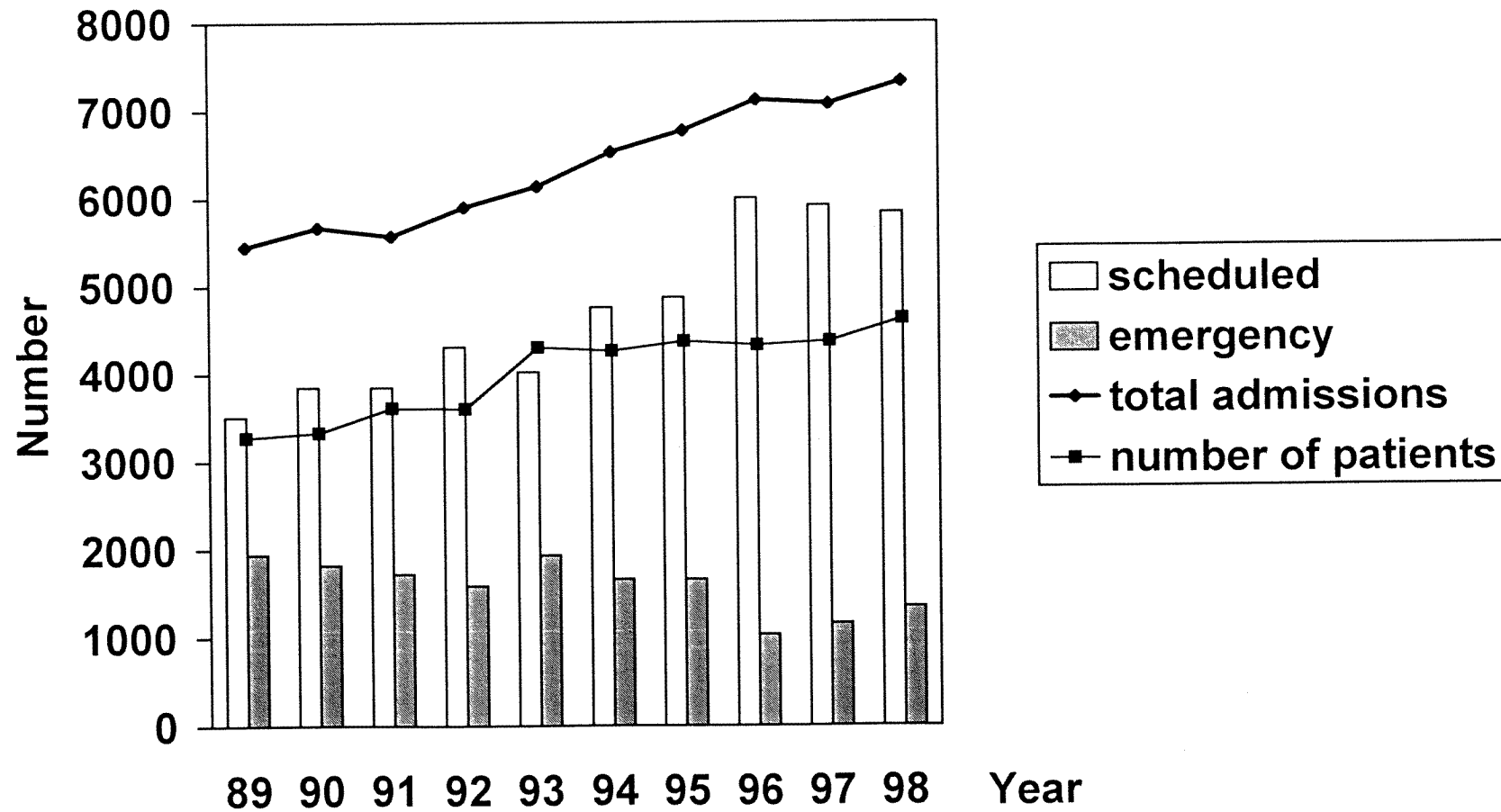
STATISTICS

COMPARATIVE STATISTICS (1989 - 1998)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Total admissions	5448	5673	5572	5901	6137	6530	6769	7115	7071	7325
Emergency	1939	1825	1725	1591	1935	1612	1657	1033	1157	1347
Scheduled	3509	3848	3847	4310	4022	4757	4867	6002	5914	5835
Total number of patients admitted	3276	3331	3613	3602	4303	4263	4367	4322	4367	4623
Diseases of uterine cervix (%)	7.94	7.87	6.2	6.11	9.6	8.77	7.9	6.2	9.4	7.8
Diseases of uterine body (%)	10.5	10.12	10.21	10.41	10.64	11.28	10.4	10.4	9.5	9.2
Diseases of ovary(%)	8.15	6.39	5.87	5.94	7.41	9.83	7.81	7.7	13.1	12.2
Diseases of menstruation (%)	18.96	17.02	16.39	11.69	10.48	9.52	10.74	9.6	7.1	7.6
Disorders of pregnancy & reproduction (%)	44.14	52.54	51.9	52.64	54.52	55.22	56.72	59.5	53.1	53.6
Major abdominal surgery for benign conditions	460	409	423	429	493	505	489	423	420	451
Major abdominal surgery for malignant conditions	107	60	40	73	127	163	115	132	102	117
Major vaginal operations	28	28	23	28	44	54	57	68	112	83
Major vulval operations	5	4	4	9	11	8	2	6	6	15
Endoscopic procedures*					280	318	504	825	833	897
Assisted reproduction procedures*					458	676	875	1049	1174	1252
Minor abdominal operations	450	419	398	405	158	143	52	16	21	6
Other minor operations	1565	1661	1870	1830	1899	1857	1738	1686	1523	1501
Death	28	17	29	39	32	23	17	9	11	17

* data collected only after 1993

ADMISSIONS TO GYNAECOLOGICAL WARDS



OUTPATIENTS STATISTICS

	New	Follow-up
GENERAL GYNAECOLOGY CLINICS		
Sai Ying Pun Specialist Clinic	3906	10366
Tang Chi Ngong Specialist Clinic	1109	2227
SUBSPECIALTY CLINICS		
Male Subfertility Clinic	91	77
Subfertility Clinics	511	1662
Menstrual Disorder Clinics	244	1841
Urogynaecology Clinic	124	164
Menopause Clinics	316	720
Diagnosis		
surgical		50
natural		266
Procedures		
hormonal replacement therapy		
reasons for hormonal replacement therapy		
relief of menopausal symptoms		128
prevention of osteoporosis/cardiovascular disease		99
types of hormonal replacement therapy		
oestrogen only		50
cyclical combined oestrogen and progestogen		122
continuous combined oestrogen and progestogen		43
others		12
counselling		89
bone mineral density measurement		198
Psychosomatic Clinic	7	26
Diagnosis		
Vaginismus		2
Transexualism		3
Abdominal pain		2

	New	Follow-up
Ovarian Assessment Clinic	140	254
Reasons for referral		
pelvic mass on ultrasonography		129
pelvic mass during pelvic examination		3
screening of ovarian malignancy		6
others		2
Ultrasonographic diagnosis*		
normal		8
corpus luteum		7
functional ovarian cyst		11
haemorrhagic ovarian cyst		5
polycystic ovarian disease		2
simple ovarian cyst		25
dermoid cyst		7
endometriotic cyst		40
mucinous cystadenoma		3
serous cystadenoma		6
parovarian cyst		5
pseudocyst		11
hydrosalpinx		8
uterine leiomyoma		12
pelvic varicosities		2
pelvic mass of uncertain nature		2
Referral for operation		19

* one patient may have more than one diagnosis

	New	Follow-up
Colposcopy Clinics	591	1471
Diagnosis		
normal	165	
inflammatory	45	
warts	45	
low grade squamous intraepithelial lesions	157	
high grade squamous intraepithelial lesions	119	
microinvasive carcinoma of cervix	7	
invasive carcinoma of cervix	5	
vulval intraepithelial neoplasia	0	
vaginal intraepithelial neoplasia	0	
others	48	
Procedures	114	
large loop excision of transformation zone	8	
cryotherapy		
Oncology Clinics Attendances		
Gynaecology Oncology Follow-up		2638
Radiotherapy Follow-up		1444
Mole Clinic		1386
Chemotherapy Clinic		1147

ADMISSIONS AND DISCHARGES STATISTICS

Total number of admissions	7325
Total number of admitted patients	4623

Status at admission

	Number	%
Scheduled	5835	79.7
Emergency	1347	18.4
Unplanned readmission	34	0.5
Transfer in	109	1.5

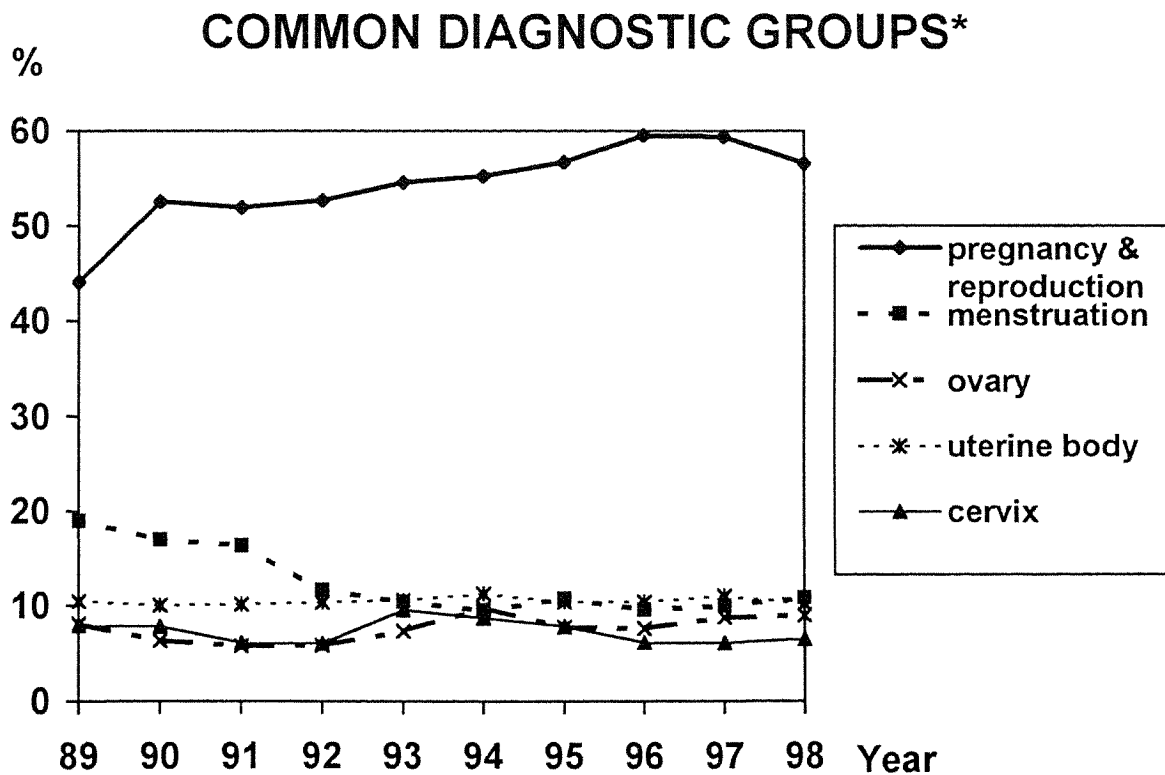
Status at discharge

	Number	%
Discharge home	7296	99.6
Transfer referral	6	0.1
Transfer convalescence	5	0.1
Discharge against medical advice	1	0.0
Death	17	0.2

STATISTICAL SUMMARY

Diagnosis

	admissions		patients	
	number	%	number	%
Disease of vulva, perineum and urethra	174	2.4	143	3.1
Disease of vagina	85	1.2	64	1.4
Disease of uterine cervix	573	7.8	302	6.5
Disease of uterine body	674	9.2	470	10.2
Disease of fallopian tube	95	1.3	75	1.6
Disease of ovary	896	12.2	414	9.0
Disease of broad ligament and pelvic peritoneum	76	1.0	65	1.4
Disease of genital displacement/ urinary incontinence	69	0.9	61	1.3
Disease of menstruation	558	7.6	497	10.8
Disease of pregnancy and reproduction	3927	53.6	2618	56.6
Complications in pregnancy	63	0.9	61	1.3
Miscellaneous gynaecological condition	187	2.6	178	3.9
Miscellaneous condition	356	4.9	300	6.5



*number of patients

Treatment	Number	%
Major abdominal surgery for benign conditions	451	6.2
Major abdominal surgery for malignant conditions	117	1.6
Major vaginal operation	83	1.1
Major vulval operation	15	0.2
Endoscopic procedures	897	12.2
Colposcopic related procedures	33	0.5
Assisted reproduction procedures	1252	17.1
Minor abdominal operations	6	0.1
Other minor operations	1501	20.5
Radiotherapy	45	0.6
Other forms of treatment	3603	49.2

Complications	Number	%
Fever	7	0.1
Bowel injury	0	0
Urinary tract injury	4	0.1
Perforation of uterus	1	0.0
Chest infection	0	0
Urinary tract infection	8	0.1
Wound complication	4	0.1
Deep vein thrombosis	0	0
Cardiopulmonary arrest	0	0
Excessive blood loss	1	0.0
Postoperative haemorrhage	0	0
Others	5	0.1

DIAGNOSIS

Diseases of Vulva, Perineum and Urethra

	Admissions	Patients
Total	174	143
Congenital anomaly	1	1
Trauma	15	14
Infection	56	45
Benign neoplasm	12	11
Malignant neoplasm	30	16
Retention cyst	21	21
Vulval dystrophy	21	20
Urethral lesions	2	2
Miscellaneous	19	19

Diseases of Vagina

	Admissions	Patients
Total	85	64
Congenital anomaly	2	2
Trauma	2	2
Infection	3	3
Benign neoplasm	4	3
Malignant neoplasm	27	12
Retention cyst	0	0
Fistula	2	2
Vaginal intraepithelial neoplasia	10	9
Miscellaneous	35	33

Diseases of Uterine Cervix

	Admissions	Patients
Total	573	302
Congenital anomaly	4	4
Trauma	4	4
Infection	0	0
Benign neoplasm	55	50
Carcinoma of cervix	446	191
new cases		89
stage I		33
stage II		23
stage III		15
stage IV		4
unstaged		7
recurrence		2
Other malignancy	15	13
Cervical intraepithelial neoplasia	42	40
Miscellaneous	8	8

Diseases of Uterine Body

	Admissions	Patients
Total	674	470
Congenital anomaly	4	4
Trauma	1	1
Infection	9	9
Fibromyoma	385	300
Carcinoma of corpus	157	78
new cases		43
stage I		26
stage II		3
stage III		6
stage IV		1
unstaged		6
recurrence		1
Other malignancy	12	6
Myohyperplasia	1	1
Endometrial polyp	50	46
Adenomyosis	45	43
Endometrial hyperplasia	18	15
Miscellaneous	17	15

Diseases of Fallopian Tubes

	Admissions	Patients
Total	95	75
Acute pelvic inflammatory disease	44	43
Chronic pelvic inflammatory disease	19	17
Tuberculous salpingitis	0	0
Benign neoplasm	3	3
Malignant neoplasm	21	7
Miscellaneous	8	5

Diseases of Ovary

	Admissions	Patients
Total	896	414
Retention/functional cyst	28	26
Endometriotic cyst	145	130
Benign tumour/cyst	141	125
Primary malignant epithelial tumour	462	118
new cases		56
stage I		13
stage II		8
stage III		12
stage IV		4
unstaged		18
recurrence		1
Primary malignant non-epithelial tumour	74	45
Secondary malignant tumour	31	23
Borderline malignant tumour	7	6
Miscellaneous	10	10

Diseases of Broad Ligaments and Pelvic Peritoneum

	Admissions	Patients
Total	76	65
Pelvic endometriosis	44	42
Parovarian cyst	5	5
Miscellaneous	30	21

Genital Displacements / Urinary Problems

	Admissions	Patients
Total	69	61
Uterine prolapse	51	45
Cystocele/rectocele/enterocele	50	43
Stress incontinence	5	5
Detrusor instability	0	0
Miscellaneous	6	5

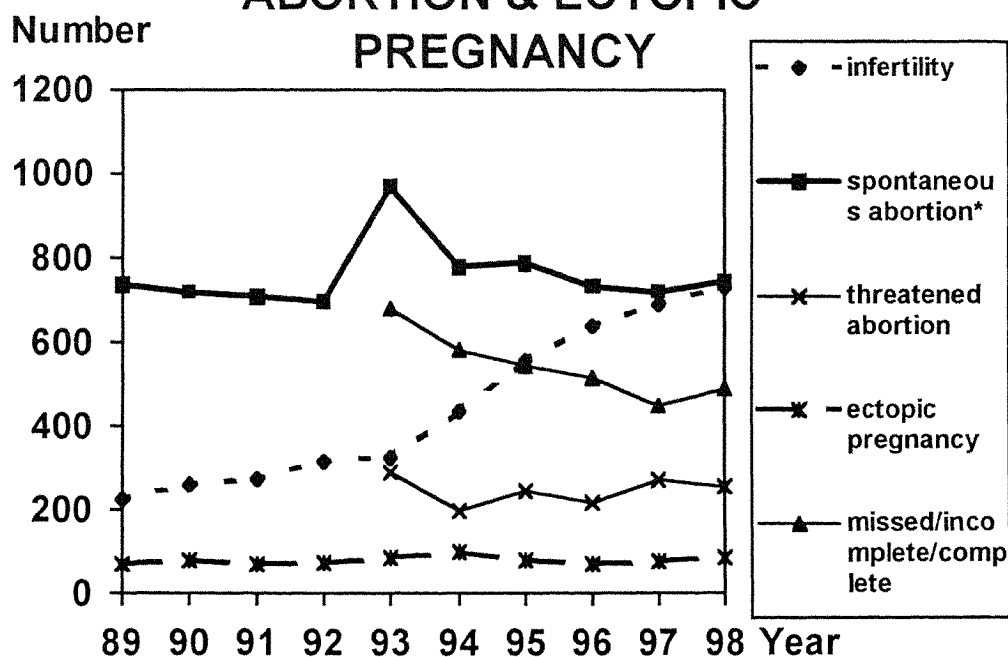
Disorders of Menstruation

	Admissions	Patients
Total	558	497
Primary amenorrhoea	9	8
Secondary amenorrhoea	7	7
Dysfunctional uterine bleeding	437	391
Postmenopausal bleeding	73	64
Dysmenorrhoea	21	20
Miscellaneous	13	12

Disorders of Pregnancy and Reproduction

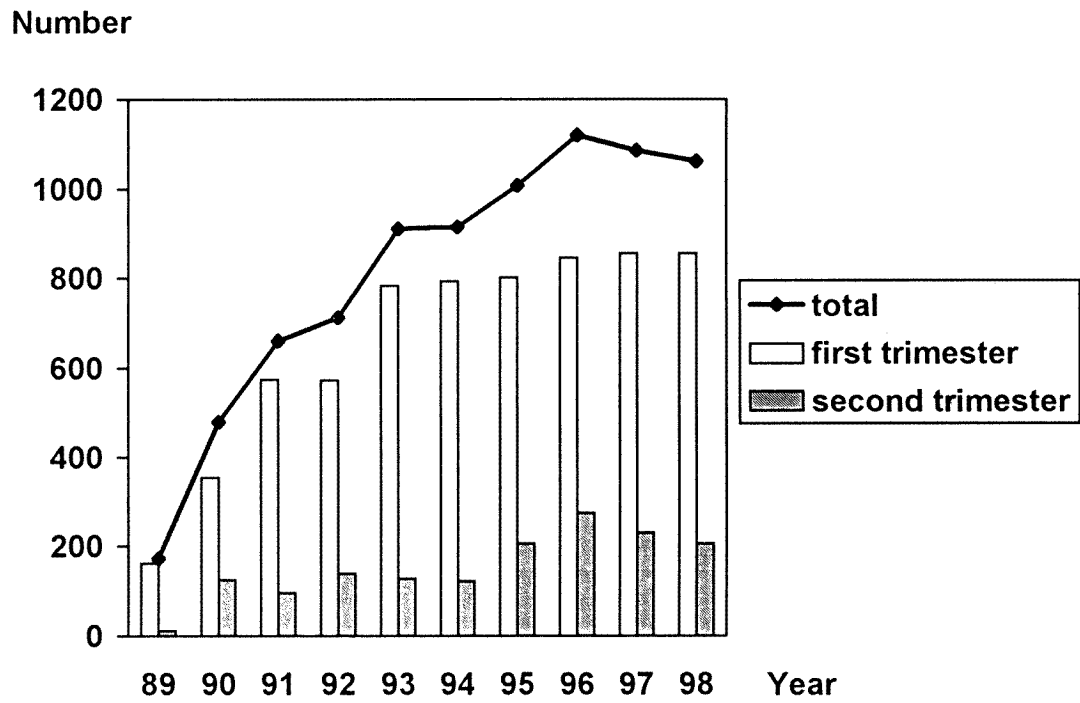
	Admissions	Patients
Total	3927	2618
Infertility	1496	731
Hyperemesis gravidarum	43	37
Threatened abortion	300	254
Spontaneous/missed abortion	564	488
Complete mole	21	11
Partial mole	15	6
Residual trophoblastic disease	58	18
Metastatic Malignant trophoblastic disease	46	14
Secondary postpartum haemorrhage	12	12
Other puerperal problems	3	3
Ectopic pregnancy	90	85
First trimester termination of pregnancy	996	856
Second trimester termination of pregnancy	213	206
Sterilization	81	78
Miscellaneous	42	41

NUMBER OF PATIENTS ADMITTED FOR INFERTILITY, ABORTION & ECTOPIC PREGNANCY



*spontaneous abortions not separated to threatened abortions or missed/complete/incomplete abortions before 1993

TERMINATION OF PREGNANCY*



*number of patients

Complications in Pregnancy

	Admissions	Patients
Total	63	61
Benign tumour of genital tract	2	2
Malignant tumour of genital tract	1	1
Medical diseases	4	4
Surgical diseases	2	2
Non-specific abdominal pain	55	53

Miscellaneous Gynaecological Conditions

	Admissions	Patients
Total	187	178
Retained IUCD	15	13
Abdominal pain of unknown cause	94	92
Complication of treatment in the same unit	44	43
Complication of treatment in other unit	17	17
Miscellaneous	20	18

Miscellaneous Conditions

	Admissions	Patients
Total	356	300
Breast disease	10	10
Urinary tract disease	85	73
Gastrointestinal tract disease	71	62
Cardiovascular disease	32	29
Respiratory tract disease	19	19
Central nervous system disease	8	7
Endocrine disease	31	29
Blood disease	20	18
Dermatological/musculoskeletal disease	28	25
Miscellaneous	72	62

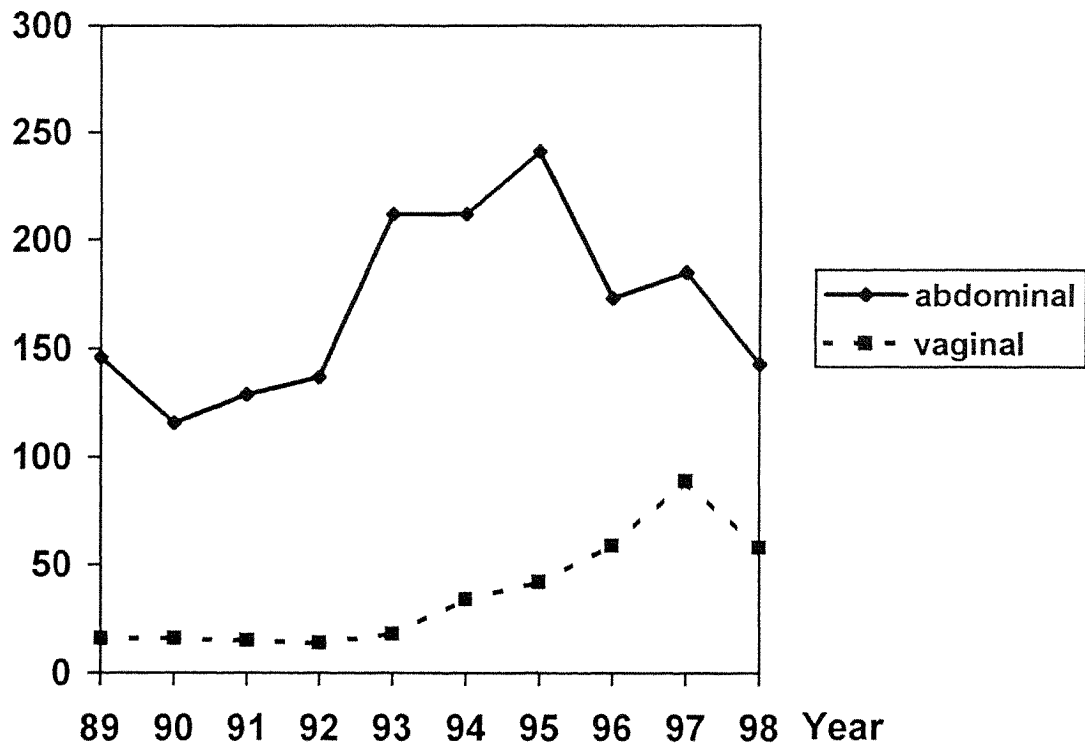
TREATMENT

Major Abdominal Surgery For Benign Conditions

Total	451
Hysterectomy +/- salpingo-oophorectomy	143
Subtotal hysterectomy +/- salpingo-oophorectomy	0
Repair of urinary fistula	0
Myomectomy	35
Ovarian cystectomy	130
Salpingo-oophorectomy/Oophorectomy	51
Salpingectomy	44
Salpingotomy	39
Stress incontinence surgery	3
Miscellaneous	29

HYSTERECTOMY FOR BENIGN CONDITIONS

Number

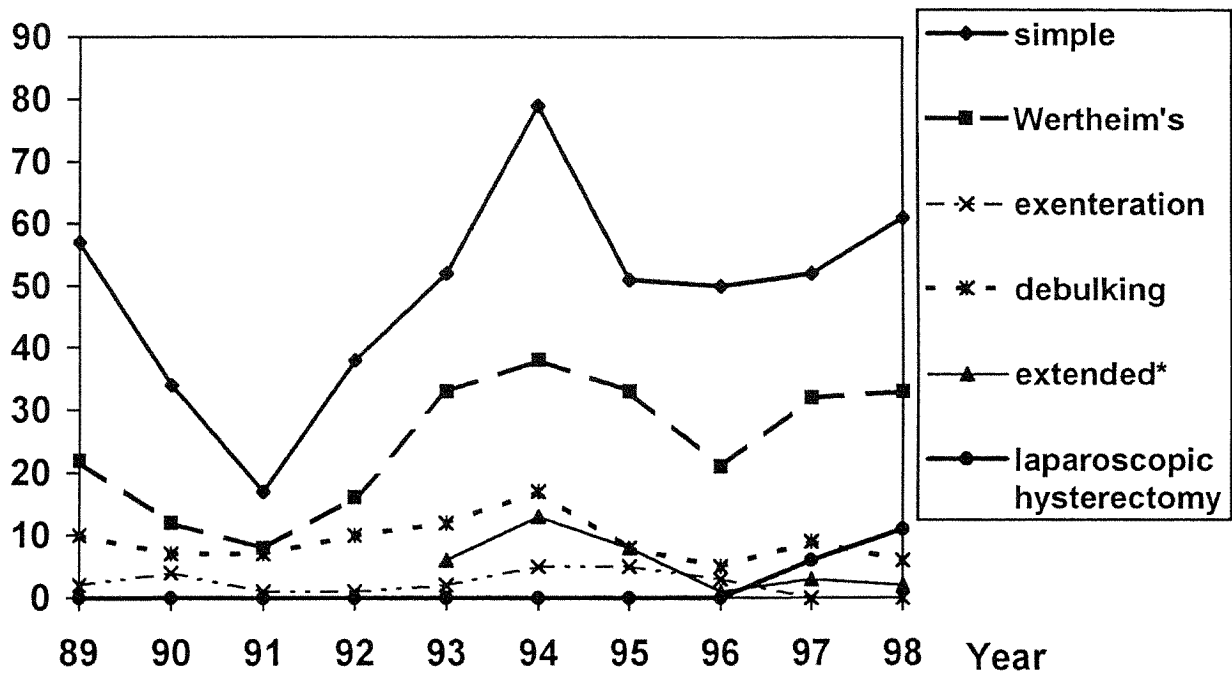


Major Abdominal Surgery For Malignant Conditions

Total	117
Hysterectomy +/- salpingo-oophorectomy	61
Subtotal hysterectomy +/- salpingo-oophorectomy	2
Wertheim's hysterectomy	33
Pelvic exenteration	0
Debulking	6
Extended hysterectomy	2
Miscellaneous	20

HYSTERECTOMY FOR MALIGNANT CONDITIONS

Number



*extended hysterectomy was grouped as simple hysterectomy before 1993

Major Vaginal Operations

Total	83
Incontinent surgery	0
Vaginal hysterectomy	48
Vaginal hysterectomy + pelvic floor repair	21
Pelvic floor repair	3
Repair of urinary fistula	1
Miscellaneous	10

Major Vulval Operations

Total	15
Radical vulvectomy	3
Simple vulvectomy	5
Miscellaneous	7

Endoscopic Procedures

Total	897
Diagnostic laparoscopy	227
Laparoscopic sterilization	75
Other laparoscopic operations	230
operations for ovarian cyst	125
laparoscopic assisted vaginal hysterectomy	48
operation for ectopic pregnancy	50
others	7
Diagnostic hysteroscopy	490
Hysteroscopic ablation	1
Other hysteroscopic operations	21
Miscellaneous	18

Colposcopy Related Procedures*

Total	33
Cervical Cautery	2
Laser Vaporization	1
Laser Cone	0
Loop Excision	10
Cone Biopsy	15
Miscellaneous	5

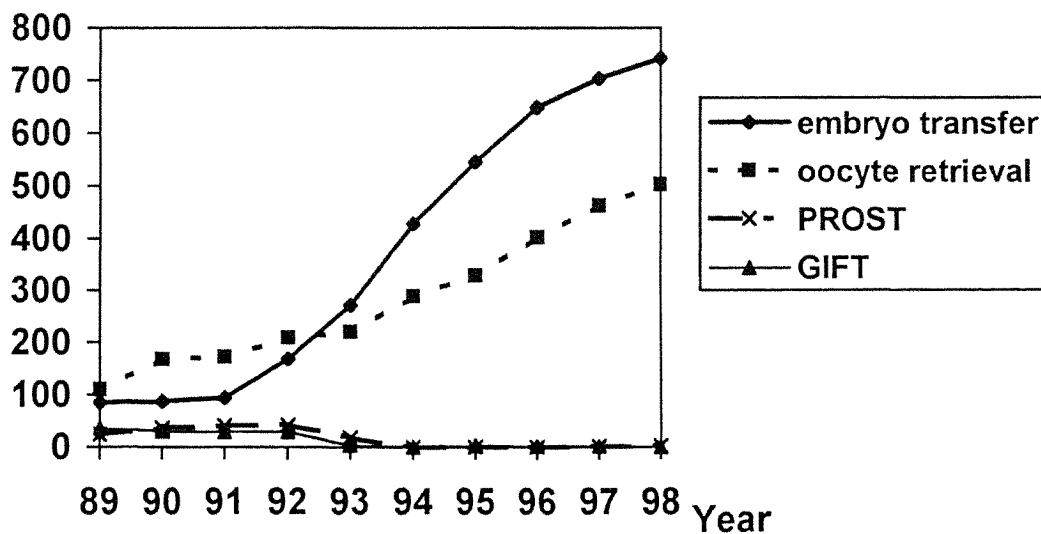
*most of the colposcopic procedures were performed as out patient

Assisted Reproduction Procedures

Total	1252
Oocyte retrieval (ultrasound guided)	488
Oocyte retrieval (laparoscopic)	14
Gamete intrafallopian transfer (GIFT)	0
Pronuclear stage transfer (PROST)	3
Embryo transfer	742
Miscellaneous	6

ASSISTED REPRODUCTION PROCEDURES

Number

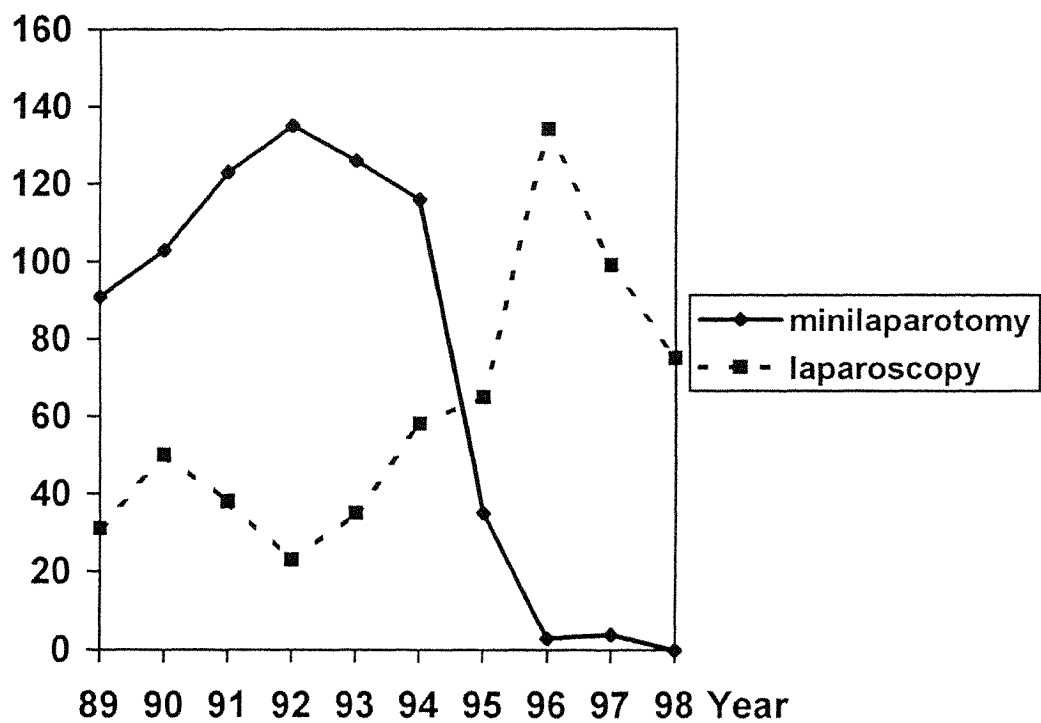


Minor Abdominal Operations

Total	6
Tubal ligation	0
Resuture of abdominal wound	2
Miscellaneous	4

MINILAPAROTOMY & LAPAROSCOPIC STERILISATION

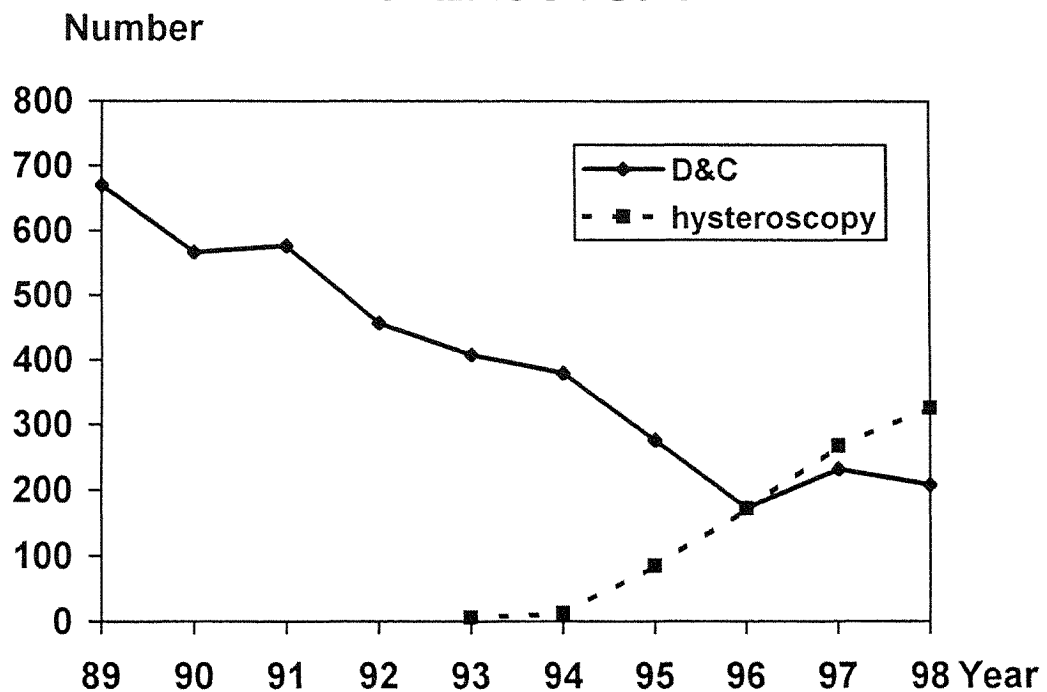
Number



Other Minor Operations

Total	1501
Dilatation and curettage / polypectomy	209
Suction termination of pregnancy	784
Evacuation of retained products of conception	368
Marsupialization	28
Cervical cerclage	0
Other vulval surgery	64
Miscellaneous	150

D&C AND DIAGNOSTIC HYSTEROSCOPY*



*hysteroscopy performed for subfertility investigations not included and hysteroscopy performed prior to 1993 not recorded

Radiotherapy*

Total	45
Intracavitary radiotherapy	3
External radiotherapy	13
Miscellaneous	29

* Most of the patients were admitted to the Department of Radiotherapy and Oncology and were therefore not included in our admission statistics.

Other Forms of Treatment

Total	3603
Observation and investigations	2441
Antibiotic as primary treatment	109
Prostaglandins	289
Hormones	56
Chemotherapy	396
Miscellaneous	321

COMPLICATION RATES IN RELATION TO COMMON OPERATIONS

	Total No	No of Complications (%)
Selected Major Abdominal Surgery	536	15 (2.8)
Hysterectomy (for benign conditions)	143	10 (7.0)
Myomectomy	35	1 (2.9)
Ovarian cystectomy	130	2 (1.5)
Salpingo-oophorectomy/oophorectomy	51	0 (0.0)
Salpingectomy	44	0 (0.0)
Salpingotomy	39	0 (0.0)
Hysterectomy (for malignant conditions)	61	1 (1.6)
Wertheim's hysterectomy	33	1 (3.0)
 Vaginal Hysterectomy	 69	 2 (2.9)
 Laparoscopy	 532	 3 (0.6)
Diagnostic laparoscopy	227	0 (0.0)
Laparoscopic sterilization	75	0 (0.0)
Other laparoscopic procedures	230	3 (1.3)
 Hysteroscopy	 512	 0 (0.0)
Diagnostic hysteroscopy	490	0 (0.0)
Operative hysteroscopy	22	0 (0.0)
 Dilatation and curettage	 209	 0 (0.0)
Suction evacuation for termination of pregnancy	784	0 (0.0)
Evacuation of products of conception	368	0 (0.0)

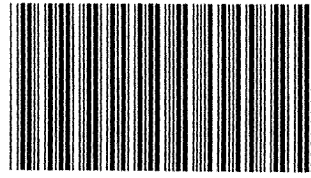
BREAKDOWN OF VARIOUS COMPLICATIONS IN RELATION TO THE COMMON TYPES OF SURGERY

	Fever	Injury to adjacent organs			Infection		Wound Complications	Blood Loss*	Postoperative Haemorrhage
		Bowel	Urinary Tract	Uterus	Chest	UTI			
Selected Major Abdominal Surgery	3	0	3	0	0	5	2	1	0
TAH (for benign conditions)	1	0	3	0	0	3	2	1	0
Myomectomy	1	0	0	0	0	0	0	0	0
Ovarian cystectomy	1	0	0	0	0	1	0	0	0
Salpingo-oophorectomy/ oophorectomy	0	0	0	0	0	0	0	0	0
Salpingectomy	0	0	0	0	0	0	0	0	0
Salpingotomy	0	0	0	0	0	0	0	0	0
TAH (for malignant conditions)	0	0	0	0	0	1	0	0	0
Wertheim's hysterectomy	0	0	0	0	0	1	0	0	0
Vaginal Hysterectomy	0	0	1	0	0	1	0	0	0
Laparoscopy	1	0	0	1	0	2	0	0	0
Diagnostic laparoscopy	0	0	0	1	0	0	0	0	0
Laparoscopic sterilization	0	0	0	0	0	0	0	0	0
Other laparoscopic procedure	1	0	0	0	0	2	0	0	0
Hysteroscopy	0	0	0	0	0	0	0	0	0
Diagnostic hysteroscopy	0	0	0	0	0	0	0	0	0
Operative hysteroscopy	0	0	0	0	0	0	0	0	0
Dilatation and curettage	0	0	0	0	0	0	0	0	0
Suction evacuation for TOP	0	0	0	0	0	0	0	0	0
Evacuation of POC	0	0	0	0	0	0	0	0	0

* operative blood loss requiring transfusion (not for treatment of anaemia)

LIST OF ABBREVIATIONS

AGA	Appropriate for gestational age
APH	Antepartum haemorrhage
Chronic HT	Chronic hypertension
C HT with PET	Chronic hypertension with superimposed preeclampsia
CS	Caesarean section
GIFT	Gamete intrafallopian transfer
G Proteinuria	Gestational proteinuria
G P HT	Gestational proteinuric hypertension
IGT	Impaired glucose tolerance
IUD	Intrauterine death
IUGR	Intrauterine growth retardation
LF	Low forceps
LGA	Large for gestational age
NND	Neonatal death
PND	Perinatal death
PPH	Postpartum haemorrhage
PROST	Pronuclear stage transfer
SB	Stillbirth
SGA	Small for gestational age
TAH	Total abdominal hysterectomy
TOP	Termination of pregnancy
Unclassified HT/P	Unclassified hypertension/proteinuria
VE	Vacuum extraction
VLBW	Very low birthweight



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