

香 港



大 學

**THE UNIVERSITY
OF HONG KONG**

1996 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. Our Department has been producing annual report on our obstetric service for many years. This year the statistics of obstetric patients delivered in the private ward are also included. I would like to thank Dr TC Pun and Dr CT Lau for their effort in putting all the data of the service together to produce this report. I would also like to thank Ms V Ng, Ms P Chau and her team, Ms T Poon and all the other staff in their contribution to the production of this report.

Pak-Chung Ho
Professor and Chair

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Consultant Psychiatrist :

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F.A.C.S. (Hon.)

OBSTETRICS

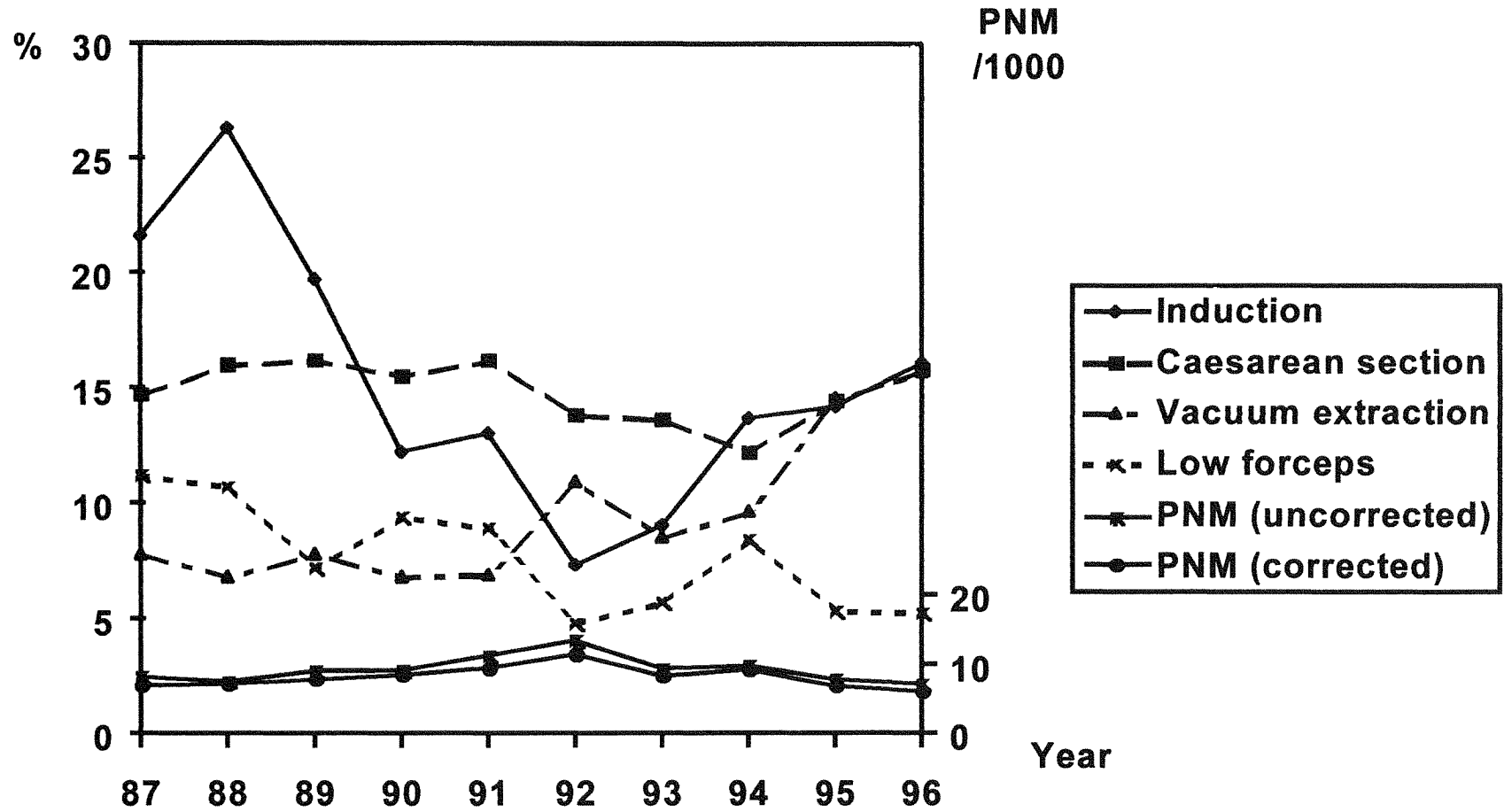
STATISTICS

COMPARATIVE STATISTICS (1986 - 1996)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
TOTAL PATIENTS DELIVERED	5818	5373	5347	5086	4190*	3428*	3435*	5393	5108	5023	5205
PRIMIPARAE	2820	2538	2709	2559	1943	1621	1783	2728	2712	2597	2747
MULTIPARAE	2998	2835	2638	2527	2247	1807	1652	2665	2396	2426	2458
PREGNANCY INDUCED HYPERTENSION	414	380	384	313	195	196	120	141	159	136	150
ECLAMPSIA	2	—	4	3	—	1	0	1	4	1	1
ACCIDENTAL HAEMORRHAGE	15	18	20	16	16	16	13	10	24	20	33
PLACENTA PRAEVIA	60	49	65	42	32	40	22	39	28	46	54
POSTPARTUM HAEMORRHAGE	81	67	75	96	119	115	147	141	241	158	140
INDUCTION OF LABOUR (%)	24.6	21.6	26.3	19.7	12.2	13.0	7.3	9.0	13.7	14.2	16.1
VACUUM EXTRACTION(%)	9.9	7.8	6.8	7.8	6.8	6.9	10.9	8.5	9.6	14.5	15.7
FORCEPS DELIVERY (%)	9.2	11.2	10.7	7.2	9.4	8.9	4.8	5.7	8.4	5.3	5.2
CAESAREAN SECTION (%)	15.9	14.7	16	16.2	15.5	16.2	13.8	13.6	12.2	14.4	15.8
MATERNAL DEATHS	0	0	1	1	0	1	0	0	2	1	2
INFANTS BORN IN HOSPITAL	5825	5376	5364	5077	4200	3400	3418	5420	5137	5063	5249
INFANTS BORN BEFORE ADMISSION	40	50	30	53	45	58	53	34	28	24	26
TOTAL INFANTS BORN	5865	5426	5394	5130	4245	3458	3471	5454	5165	5087	5275
STILLBIRTH RATE (PER 1000 TOTAL DELIVERIES)	4.0	5.2	3.8	4.4	4.0	4.6	7.8	5.9	5.8	4.9	4.2
NEONATAL DEATH RATE (PER 1000 LIVEBIRTHS)	5.0	4.3	4.4	6.6	6.2	7.0	7.8	4.6	5.3	4.2	3.8
PERINATAL DEATH RATE (PER 1000 LIVEBIRTHS)	9.0	8.3	7.6	9.1	9.2	11.3	13.5	9.4	9.9	7.9	7.2
CORRECTED PERINATAL DEATH RATE (EXCLUDING NON-BOOKED CASES WITH IUD ON ADMISSION)	7.0	7.0	7.2	7.9	8.5	9.5	11.5	8.4	9.3	6.9	6.1

* Reduction in deliveries due to renovation work

INTERFERENCE RATES & PERINATAL MORTALITY 1987-1996



STATISTICAL SUMMARY

Patients delivered in Tsan Yuk Hospital	4515
Booked	4300
Primiparae	2265
Multiparae	2035
Non-booked	215
Primiparae	125
Multiparae	90
Patients delivered in Queen Mary Hospital	690
Booked	504
Primiparae	253
Multiparae	251
Non-booked	186
Primiparae	104
Multiparae	82
Total number of patients delivered	5205
Maternal deaths	2
Maternal death rate (/1000 cases delivered)	0.38
Total number of multiple pregnancies	60
Total number of babies born	5275
Total number born in hospital	5249
Total number born before admission	26
Total number of live born infants	5253

Stillbirths	
Total	22
Booked	16
Non-booked	6
Stillbirth rate (/1000 total births)	
Total	4.2
Booked	3.3
Non-booked	14.7
Neonatal deaths	
Total	20
Booked	16
Non-booked	4
Neonatal death rate (/1000 livebirths)	
Total	3.8
Booked	3.3
Non-booked	9.6
Perinatal deaths	
Total	38
Booked	29
Non-booked	9
Perinatal death rate (/1000 total births)	
Total	7.2
Booked	6.0
Non-booked	22.1
Corrected perinatal mortality rate (excluding non-booked cases with IUD on admission)	6.1

PATIENTS' CHARACTERISTICS

Ethnic origin:		Number	%
	Chinese	4565	87.7
	Non-Chinese	640	12.3
Age(years):	Primiparous	27.8	
	Multiparous	31.3	
	All	29.5	
Parity at booking:		Number	%
	Primiparous	2747	52.8
	Multiparous	2458	47.2
Average height(cm):		156	
Average pre-pregnant weight(kg):		54	
Education level:		Number	%
	None	188	3.6
	Primary	646	12.4
	Secondary	3466	66.6
	Tertiary	814	15.6
Smoking habit:		Number	%
	Nonsmokers	4931	94.7
	=<20 per day	165	3.2
	>20 per day	0	0
Average family income(HK\$x1000):		17.55	

CONGENITAL ANOMALY OF GENITAL AND URINARY TRACT

Total number	20
Incidence (%)	0.38

CARDIAC DISEASES

	Number	%
Rheumatic heart disease	24	0.46
Congenital heart disease	12	0.23
Mitral valve prolapse	11	0.21
Arrhythmia	16	0.31
Others	55	1.06

GESTATIONAL DIABETES* & PRE-EXISTING DIABETES MELLITUS

	Gestational DM*		Pre-existing DM
	IGT#	DM#	
Total number	619	49	9
Incidence(%)	11.9	0.9	0.17
Total no of babies	624	50	9
Number of CS	103	14	4
Stillbirth	1	0	0
Neonatal death	0	1	0
Perinatal death	1	1	0
Large for date babies (%)	108 (17.3)	14 (28.0)	3 (33.3)
Small for date babies (%)	28 (4.5)	3 (6.0)	0

* According to the International Workshop Conference on Gestational Diabetes

According to WHO criteria

BLOOD DISORDERS

	Number	%
Anaemia	254	4.9
Iron deficiency	88	1.7
Alpha-thalassaemias	145	2.8
Beta-thalassaemias	73	1.4
Iron deficiency and thalassaemias	13	0.3
Others	60	1.2

RENAL DISEASES

Total number	33
Incidence (%)	0.6

LIVER DISEASES

Total number	3
Incidence (%)	0.06

RESPIRATORY DISEASES

Total number	35
Incidence (%)	0.7

GASTROINTESTINAL/GALL BLADDER DISEASES

Total number	8
Incidence (%)	0.2

EPILEPSY

Total number	6
Incidence (%)	0.1

OTHER NEUROLOGICAL DISEASES

Total number	14
Incidence (%)	0.3

PSYCHIATRIC DISEASES

Total number	18
Incidence (%)	0.4

AUTOIMMUNE DISEASES

Total number	27
Incidence (%)	0.5

THYROID DISEASES

Total number	70
Incidence(%)	1.3

SURGICAL DISEASES

Total number	20
Incidence (%)	0.4

MALIGNANT DISEASES

Total number	3
Incidence (%)	0.06

SEXUALLY TRANSMITTED DISEASES

Total number	46
Incidence(%)	0.9

Types	Number
Syphilis	4
Gonorrhoea	4
Herpes simplex	4
Condyloma acuminata	9
Chlamydia trachomatis	18
Combination of above/others	7

OTHER INFESTATIONS/INFECTIONS

Total number	620
Incidence (%)	11.9

Types	Number
Moniliasis	464
Trichomoniasis	9
Combination/others	147

OTHER ASSOCIATED CONDITIONS

	Number	%
Hyperemesis gravidarum	8	0.15
Skin diseases	6	0.12
Kyphoscoliosis	1	0.02
Incompetent os	4	0.08
Drug addiction	11	0.21
Rhesus negative mothers	36	0.69
Others	104	2.00

HYPERTENSION IN PREGNANCY*

Total number	195
Incidence (%)	3.75
Primiparous	121
Multiparous	74

Type	Cases	Induction of labour	Caesarean# section	SB#	NND#	PND#
Gestational HT	85	36	33	0	0	0
G. Proteinuria	5	3	1	0	0	0
G. P. HT	60	33	24	2	0	2
Chronic HT	23	5	4	0	0	0
C. HT with PET	6	3	3	1	0	1
Unclassified HT/P	15	7	4	0	0	0
Eclampsia	1	0	0	0	0	0

Perinatal Mortality = 14.9/1000 total births

* according to Davey & MacGillivray (1988)

No of babies

ANTEPARTUM HAEMORRHAGE

Total number	247
Incidence (%)	4.8

Mode of delivery of fetus versus types of antepartum haemorrhage*

Mode of delivery	Placenta praevia	Accidental haemorrhage	APH of ? origin	Extra placental
Spontaneous	3	8	90	2
Vacuum extraction	2	6	32	0
Low forceps	0	2	8	3
Vaginal Breech	0	0	3	0
Elective CS	16	1	5	0
Emergency CS	33	16	20	0
Total	54	33	158	5

Outcome of fetus versus causes of antepartum haemorrhage*

Outcome	Placenta praevia	Accidental haemorrhage	APH of ? origin	Extra placental
Stillbirth	1	2	3	0
Neonatal death	1	1	1	0
Perinatal death	2	3	4	0

*No of babies

PRETERM DELIVERIES

Total number			439
Incidence (%)			8.3
Parity	Total	Number	%
Primiparous	2796	262	9.4
Multiparous	2479	177	7.1
Outcome		Number	Rate
Stillbirth-anteartum		16	36.5
Stillbirth-intrapartum		2	4.6
Stillbirth-undetermined		1	2.3
Neonatal death		14	33.3
Perinatal death		31	70.6
Mode of delivery		Number	%
Spontaneous vaginal delivery		215	49.0
Vacuum extraction		25	5.7
Low forceps		27	6.2
Vaginal breech delivery		31	7.1
Elective caesarean section		30	6.8
Emergency CS & others		111	25.3
Birth weight		Number	%
<2500 g		301	68.6
<1500 g		96	21.9
<1000 g		50	11.4
Number of pregnancies	Total	Number	%
Singleton	5145	362	7.0
Multiple pregnancies	130	77	59.2

NEONATAL COMPLICATIONS

	Number	%
Admission to ICU >24 hours	96	21.9
Congenital abnormality	17	3.9
Major infection	10	2.3
Respiratory distress syndrome	12	2.7
Intraventricular haemorrhage	8	1.8
Necrotising enterocolitis	3	0.7

MULTIPLE GESTATION

Total number	60
Incidence (%)	1.2
Primiparous	40
Multiparous	20
Twins	51
Triplets	8
Quadruplets and higher order	1
Total number of babies	130
Preterm < 37 weeks	77
> = 37 weeks	53
Induced labour	12
Incidence of induced labour	20.0

Mode of delivery versus birthorder

	1st baby	2nd baby	3rd baby
Spontaneous vaginal	12	6	1
Vacuum extraction	9	7	0
Low forceps	3	3	0
Vaginal breech delivery	1	9	0
Other vaginal delivery	15	15	4
Caesarean section & others	20	20	4

Outcome of fetus versus birthorder

	1st baby	2nd baby	3rd baby
Livebirths	57	58	7
Stillbirth - antepartum	1	1	0
Stillbirth - intrapartum	0	0	0
Stillbirth - undetermined	0	0	0
Neonatal death	2	1	2
Perinatal death	3	2	1

POSTPARTUM HAEMORRHAGE

Total number	140
Incidence (%)	2.7
Primiparous	66
Multiparous	62

Types	Number	%
Primary PPH	116	2.2
Secondary PPH	13	0.3

Causes of Primary PPH

Causes	Cases
Uterine atony	66
Retained gestational product	40
Ruptured uterus	1
Cervical tear	5
Vaginal tear	10
Perineal wound	8
Genital haematoma	2
Uterine inversion	0
Consumptive coagulopathy	1
Others	5

Causes of Secondary PPH

Causes	Cases
Retained gestational product	10
Genital tract infection	3
Others	0

MANUAL REMOVAL OF PLACENTA

Total number	86
Incidence (%)	1.7

POSTPARTUM ANAEMIA*

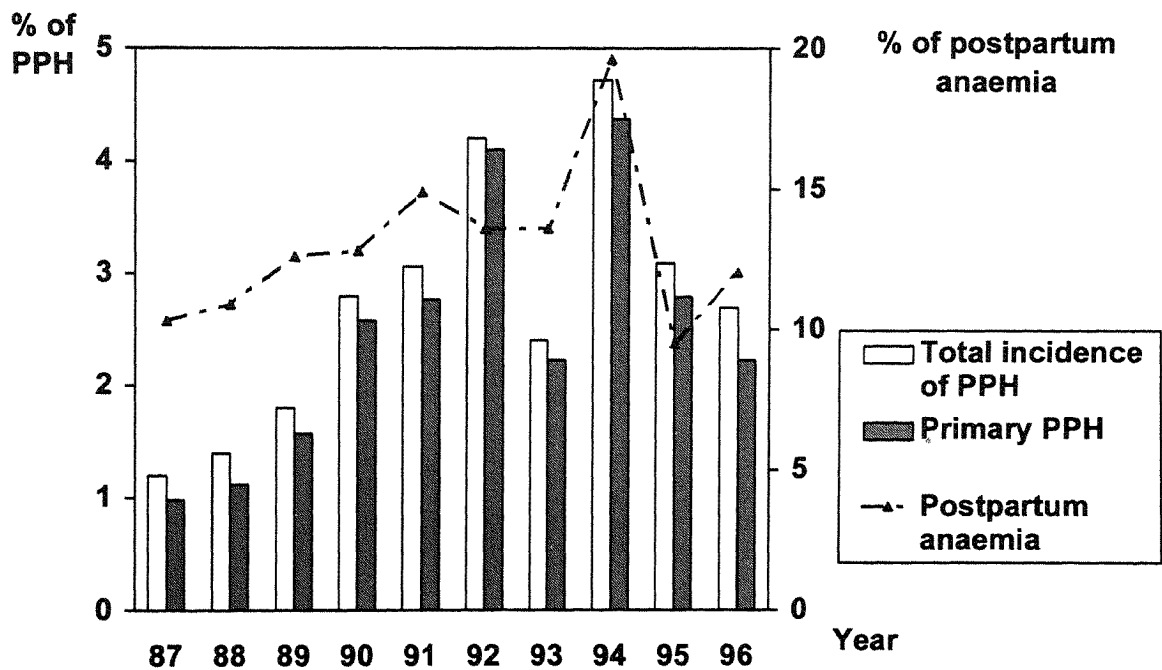
	Total	Number	%
Primiparous	2747	357	13.0
Multiparous	2458	269	11.0
Total	5205	626	12.0

Mode of delivery #	Total	Number	%
Spontaneous vaginal	3528	364	11.2
Vacuum extraction	827	127	15.3
Low forceps	276	49	17.8
Vaginal breech	80	7	8.8
Elective CS	231	16	6.9
Emergency CS	601	68	11.3

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

Number of babies

POSTPARTUM HAEMORRHAGE and POSTPARTUM ANAEMIA



PUERPERAL PYREXIA

Total number			210
Incidence (%)			4.0
Primiparous			141
Multiparous			76
Causes			Number
Reactionary			72
Breast problem			23
Urinary tract infection			33
Genital tract infection			43
Wound infection			8
Other causes			8
Unknown			36
Mode of delivery			
	Total*	Number*	%
Spontaneous vaginal delivery	3528	37	1.1
Vacuum extraction	827	24	2.8
Low forceps	276	6	2.2
Vaginal breech	80	2	2.5
Elective caesarean section	231	23	10.0
Emergency CS and others	601	125	20.8

* No of babies

OTHER COMPLICATIONS

	Number	%
Third degree tear	1	0.02
Other genital tract trauma	25	0.48
Ruptured uterus without PPH	0	0
Hysterectomy*	2	0.04

* performed for uterine atony uncontrolled by medications in one patient and placenta accreta in the other

TYPES OF LABOUR

Outcome of fetus versus types of labour

Type	not in labour	spon. onset	augmented labour	induced labour	total
Total births	339	3750	380	800	5275
Stillbirth rate/1000	1 3.0	8 2.2	2 5.3	11 13.0	22 4.2
NND rate/1000	4 3.8	14 0	0 2.4	2 3.8	20 3.0
PND rate/1000	3 8.9	20 5.4	2 5.3	13 15.3	38 7.2

Mode of delivery versus types of labour

Mode of delivery	not in labour	spon. onset	augmented labour	induced labour	total
Total births	339	3705	380	850	5275
Spontaneous vaginal (%)	0 0	2730 73.7	130 34.2	398 46.8	3258 61.8
Vacuum extract (%)	0 0	516 13.9	128 33.7	183 21.5	827 15.7
Low forceps (%)	0 0	183 4.9	27 7.1	66 7.8	276 5.2
Vaginal breech (%)	0 0	64 1.7	2 0.5	13 1.5	80 1.5
CS & others (%)	339 100	210 5.7	93 24.5	190 22.4	832 15.8

INDUCTION OF LABOUR

Total number	837
Incidence (%)	16.1

Parity	Total	Number	%
Primiparous	2747	558	20.3
Multiparous	2458	279	11.4

Outcome of babies	Number
Stillbirth - antepartum	11
Stillbirth - intrapartum	0
Stillbirth - undetermined	0
Neonatal deaths	2
Perinatal deaths	13

Mode of delivery	Number	%
Spontaneous vaginal	397	46.8
Vacuum extraction	183	21.6
Low forceps	66	7.8
Vaginal breech	13	1.5
Caesarean section	190	22.4
Total*	849	

* No of babies

Outcome of Induction**	Number	%
Successful	716	85.5
Failure	121	14.5

** 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	27	26
Maternal diseases	4	2
Bad obstetrical history	1	8
Past term	90	59
Hypertension associated with pregnancy	59	13
Premature rupture of membranes	226	86
Antepartum haemorrhage	20	13
Multiple pregnancies	9	1
Suspected IUGR	28	13
Intrauterine death	7	4
Fetal anomaly	0	2
Suboptimal non-stress test	45	33
Social reason	1	2
Others	118	48

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

Induction delivery interval

	Number*	%
1-10 hours	604	71.1
11-20 hours	233	27.4
>20 hours	12	1.4
overall mean	8.23 hours	

* No of babies

PREGNANCY FOLLOWING PREVIOUS CAESAREAN SECTION

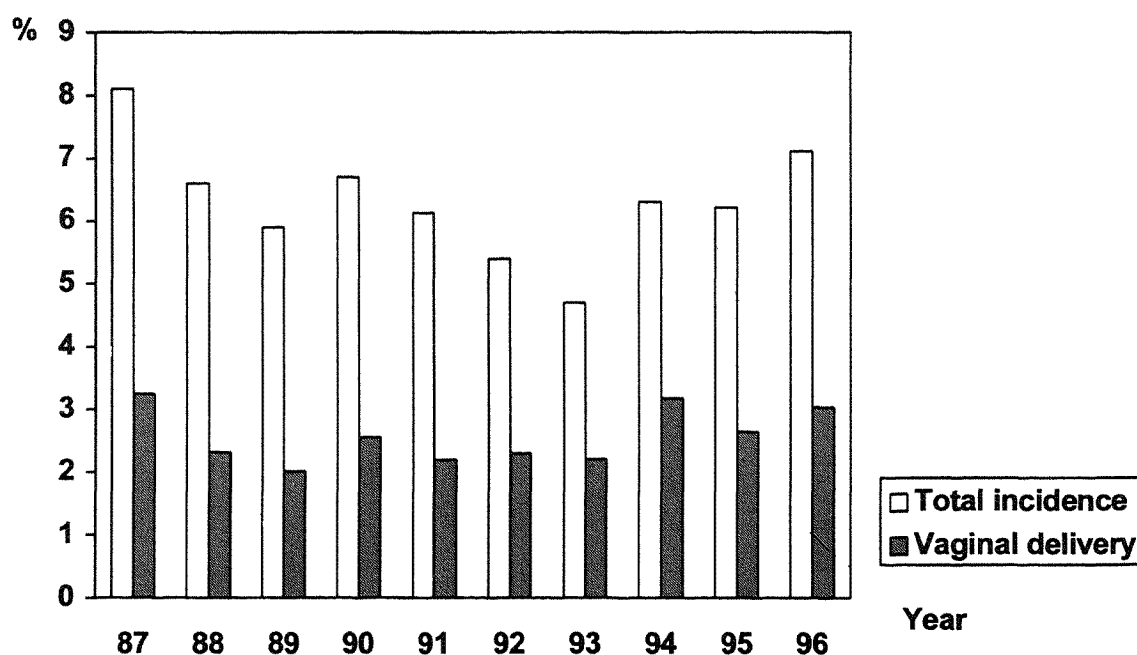
Total cases	370
Incidence (%)	7.1

Outcome of fetus	Number*	Rate
Stillbirth	2	5.3
Neonatal death	3	8.1
Perinatal death	3	8.0

Mode of delivery	Number*	%
Spontaneous vaginal delivery	103	27.5
Vacuum extraction	44	11.7
Low forceps	13	3.5
Vaginal breech delivery	0	0
Elective caesarean section	108	28.8
Emergency CS & others	107	28.5

* No of babies

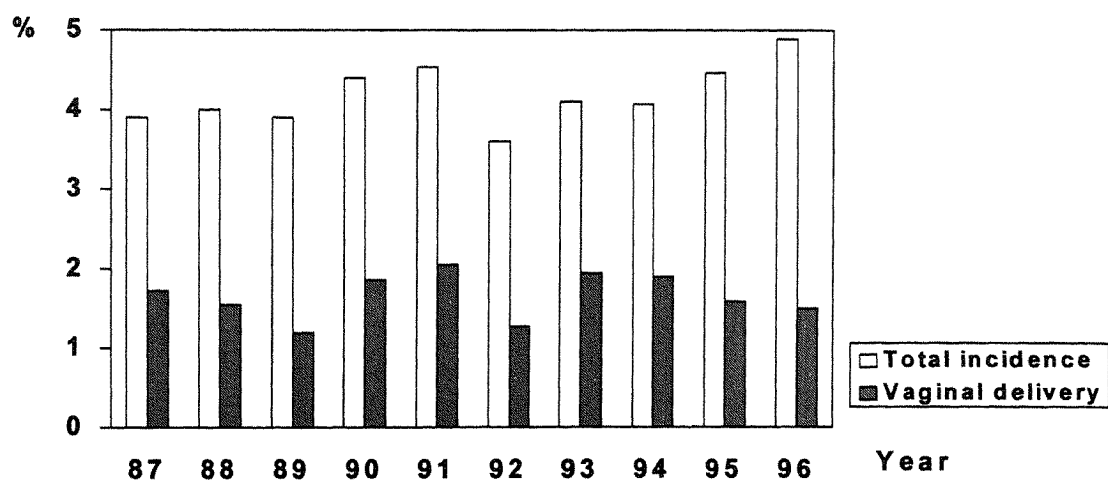
PREGNANCY FOLLOWING PREVIOUS CAESAREAN SECTION



BREECH PRESENTATION

Total number			258
Incidence (%)			4.9
Parity	Total	Number	%
Primiparous	2796	163	5.8
Multiparous	2479	95	3.8
Outcome		Number	Rate
Stillbirth-ante partum		6	23.3
Stillbirth-intrapartum		0	0
Stillbirth-undetermined		0	0
Neonatal death		6	23.8
Perinatal death		10	38.8
Mode of delivery		Number	%
Assisted breech delivery		77	29.8
Other vaginal breech delivery		2	0.8
Elective caesarean section		74	28.7
Emergency CS & others		105	40.7
Gestational age at delivery	Total	Number	%
<37 weeks	439	73	16.6
37-40 weeks	4186	168	4.0
>40 weeks	638	17	2.7
Number of pregnancies	Total	Number	%
Singleton	5145	223	4.3
Multiple pregnancies	130	35	26.9

BREECH PRESENTATION



MALPRESENTATION OTHER THAN BREECH PRESENTATION*

Total number	44
Incidence (%)	0.8

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	1	0
Elective CS	0	0	17
CS & others	2	2	22
Total	2	3	39

Outcome of fetus	Face/brow	Compound	Transverse
Stillbirth-ante partum	0	0	0
Stillbirth-intra partum	0	0	0
Stillbirth-undetermined	0	0	0
Neonatal death	0	0	1
Perinatal death	0	0	0

* Excluding malposition of occiput.

The birthweight of these babies were 655 and 785 g.

PROLAPSE & PRESENTATION OF UMBILICAL CORD

Total number	8
Incidence (%)	0.2

Outcome of fetus	Number	%
Stillbirth - antepartum	0	0
Stillbirth - intrapartum	0	0
Stillbirth - undetermined	0	0
Neonatal death	4	50
Perinatal death	4	50

Mode of presentation	Total	Number	%
Vertex	4955	5	0.1
Breech : extended leg(s)	132	1	0.8
flexed legs	103	1	1.0
footling	23	1	4.4
Face/brow	2	0	0
Compound	3	0	0
Transverse/oblique	39	0	0
Others	2	0	0

Mode of delivery	Number	%
Spontaneous vaginal	3	37.5
Vacuum extraction	0	0
Low forceps	1	12.5
Assisted breech delivery	1	12.5
Other breech delivery	0	0
Caesarean section	3	37.5

MODE OF OPERATIVE DELIVERY

Total number	1935
Incidence (%)	36.7

Parity	VE	LF	CS
Primiparous	639	222	495
Multiparous	188	54	337
Total	827	276	832
Incidence (%)	15.7	5.2	15.8

Types of abdominal delivery	Number
Elective LSCS	230
Elective classical LSCS	1
LSCS	599
Classical CS	1
Caesarean hysterectomy	1
Others (laparotomy etc.)	0

Outcome of fetus	VE	LF	Elective CS	Emergency CS & others
Livebirths	827	276	231	600
Stillbirths	0	0	0	1
Neonatal death	0	0	0	6
Perinatal death	0	0	0	4

INDICATIONS FOR ASSISTED DELIVERY*

Indication	VE	LF
Maternal disease	13	13
Maternal distress	18	6
Previous caesarean section	3	0
Obstetric complications	5	1
Fetal distress	341	121
Cord Prolapse	0	1
Prolonged second stage	460	134
Others	15	13

INDICATIONS FOR CAESAREAN SECTIONS*

Indication	CS
GDM/DM	5
Maternal disease	3
Previous uterine scar	181
Bad obstetric history	7
Antepartum haemorrhage	65
Hypertension	37
Multiple pregnancy	67
Fetal distress	144
Cord prolapse	3
Intrauterine growth retardation	31
Malpresentation/lie	181
No progress of labour	96
Cephalopelvic disproportion	140
Contracted/unfavourable pelvis	62
Failed instrumental delivery	7
Tumour/anomaly	13
Failed induction	68
Elderly/Infertility	3
Suspected macrosomia	25
Social reason	4
Others	64

* There may be more than 1 indications for assisted delivery.

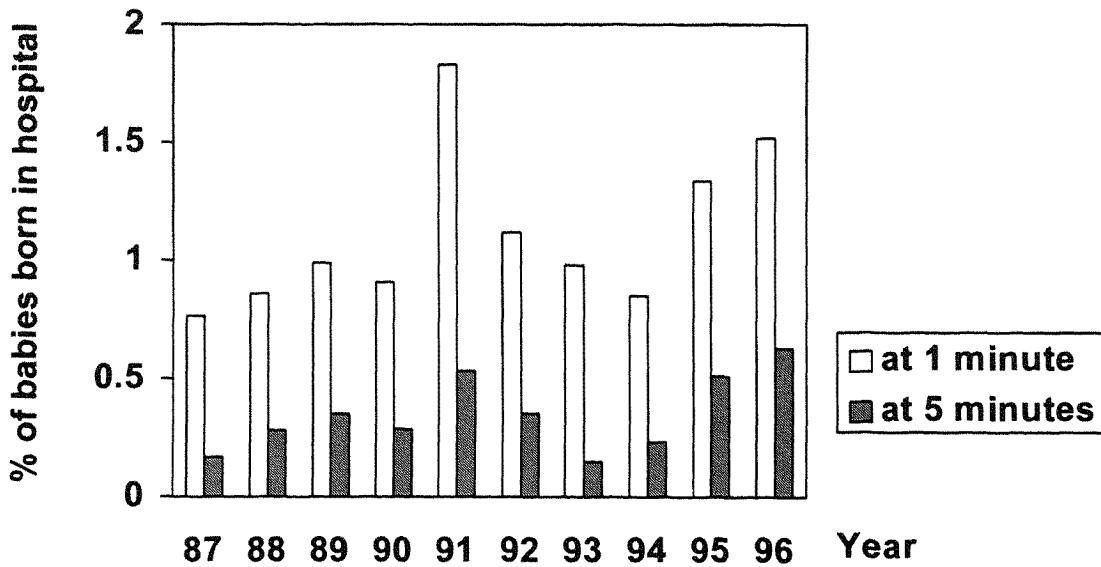
APGAR SCORES AT BIRTH VERSUS MODE OF DELIVERY*

Method of delivery	Apgar score at 1 minute			Total
	<4	4-6	>6	
Spontaneous vaginal	28	65	3140	3233
Vacuum extraction	14	78	735	827
Low forceps	3	14	259	276
Vaginal breech	12	22	46	80
Elective CS	2	18	211	231
Emergency CS & others	21	94	486	601
Total	80	291	4877	5249
%	1.5	5.5	92.9	

Method of delivery	Apgar score at 5 minute			Total
	<4	4-6	>6	
Spontaneous vaginal	20	5	3208	3233
Vacuum extraction	2	8	817	827
Low forceps	0	1	275	276
Vaginal breech	7	5	68	80
Elective CS	0	4	227	231
Emergency CS & others	4	15	582	601
Total	33	38	5177	5249
%	0.6	0.7	98.6	

*Excluding babies born before arrival

**NEONATAL ASPHYXIA*
(APGAR SCORES LESS THAN 4)**



* excluding stillbirths and babies born before arrival

MATERNAL DEATH

Patient One

The patient was a 35 years old primigravida who had known history of chronic hepatitis and HBsAg carrier. She was followed up in the medical unit and was referred to our Tang Chi Ngong antenatal clinic at 12 weeks gestation. About 6 months before the pregnancy, she had a reactivation of the hepatitis. Pelvic ultrasound at 15 weeks showed fetal parameters consistent with date. She was on aldactone A and lactulose. Subsequent antenatal follow up showed normal fetal growth. She was admitted to the medical unit at 27 weeks gestation because of recurrence of jaundice and deterioration of liver function. There was progressive hypoalbuminemia and derangement of coagulation profile. Blood pressure remained normal all along. The diagnosis of reactivation of hepatitis was made initially but her condition continued to fluctuate in the next few weeks. She required repeated blood transfusion to maintain her haemoglobin level. Investigation revealed evidence of thrombotic thrombocytopenic purpura.

At 30 weeks of gestation, her general condition deteriorated. Cardiotocogram monitoring showed abnormal heart tracing. Discussions among obstetrician, paediatricians, physicians and anaesthetists led to the conclusion that conservative management was adopted in view of the extremely high maternal mortality if caesarean section was performed. However, the patient ran a rapid downhill course with hepatic encephalopathy and renal failure. She required intensive supportive treatment in the ICU. Intrauterine death was confirmed by ultrasound at this stage. Labour was induced with vaginal prostaglandin and a still-birth was delivered 10 hours later. The fetus weighed 1355 gm and placenta weighed 310 gm. The fetus, placenta and membranes were heavily bile-stained. Cord blood total bilirubin was 450 $\mu\text{mol/l}$. Autopsy of the still-born did not reveal evidence of kernicterus. The patient died 6 days after the baby was delivered. Perimortem liver biopsy showed features of prolonged haemolysis.

MATERNAL DEATH

Patient Two

The patient was referred to our unit because of haematemesis at 32 weeks gestation in her second pregnancy. She had previously one full term delivery by caesarean section. Endoscopy was performed by the Surgical Team and confirmed presence of a large growth at the posterior wall of the stomach. Endoluminal ultrasound showed full thickness involvement of the tumour. Biopsy of the tumour showed poorly differentiated adenocarcinoma. Ultrasound examination showed ascites and suspicious nodules in the upper abdomen compatible with tumour seedlings. Chest X-ray showed small amount of pleural effusion. Fetal parameters were compatible with her dates. A course of steroids was given to promote fetal pulmonary maturity. There was evidence of acute bleeding from the tumour about one week after admission, and a semi-elective lower segment Caesarean section was performed at 33 weeks, delivering a male baby 1860 gm with Apgar scores of 7 and 9 at 1 and 5 minutes respectively. Exploratory laparotomy was performed at the same setting, and wide-spread metastasis to both ovaries, omentum and peritoneal surface were found. There was also evidence of previous gastric perforation at the site of the tumour. The perforation was repaired by the Surgical team, but definitive surgery was deemed impossible because of the advanced disease. Biopsy of the metastatic deposits on the ovaries, omentum, and cytology of the ascitic fluid confirmed metastatic adenocarcinoma.

The baby thrived well after delivery, with no significant complications from prematurity. The patient was treated palliatively, but developed a rapidly progressive downhill course with massive bilateral pleural effusion requiring repeated chest tapping and respiratory support. She finally succumbed 4 weeks after the delivery.

PERINATAL DATA

Total livebirths & stillbirths	5275
Primiparous	2796
Multiparous	2479
Born before arrival	26
Total livebirths	5253
Primiparous	2781
Multiparous	2472

BASIC INFORMATION

Total birth \geq 500 g	5275
Average birthweight(g)	3128 (sd= 542)
Stillbirth \geq 500 g	22
Early (1st week) neonatal deaths	16
Late (2nd-4th week) neonatal deaths	4
Total birth \geq 1 kg	5225
Stillbirth \geq 1 kg	8
Early (1st week) neonatal deaths	7
Late (2nd-4th wk) neonatal deaths	2
Stillbirths with lethal malformations	3
Neonatal deaths with lethal malformations	7
Perinatal deaths with lethal malformations	10
Lethal malformation rate per 1000 births	1.9

EXCLUDING LETHAL MALFORMATION (including < 1 kg)

Stillbirth rate per 1000 total births	3.6
n= 19	
Neonatal mortality rate per 1000 livebirths	2.5
n= 13	
Perinatal mortality rate per 1000 total births	5.5
n= 29	

EXCLUDING BIRTH < 1 kg (including malformation)

Stillbirth rate per 1000 total births	1.5
n= 8	
Neonatal mortality rate /1000 livebirths	1.7
n= 9	
Perinatal mortality rate /1000 total births	1.5
n= 15	

EXCLUDING BIRTH < 1 kg and babies with lethal malformation

Stillbirth rate per 1000 total births n= 5	0.95
Neonatal mortality rate /1000 livebirths n= 3	0.57
Perinatal mortality rate /1000 total births n= 7	1.33

SUMMARY OF FETAL LOSS

	Total	Stillbirths	
		Number	rate
Total	5275	22	4.2
Booked	4867	16	3.3
Non-booked	407	6	14.7
Primiparous	2796	15	5.4
Multiparous	2479	7	2.8

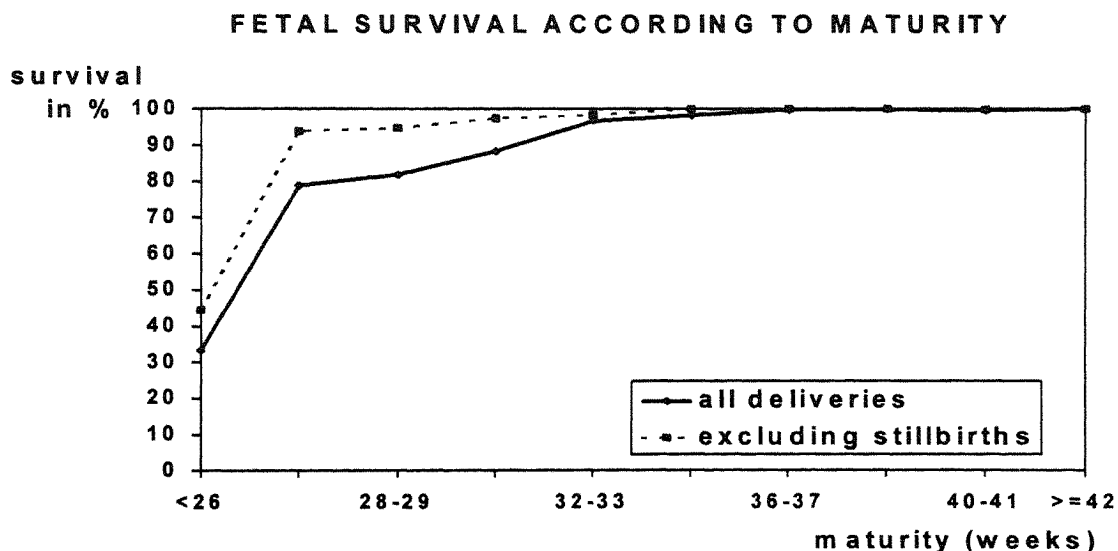
	Livebirths	Neonatal deaths	
		Number	rate
Total	5253	20	3.8
Booked	4851	16	3.3
Non-booked	401	4	10.0
Primiparous	2781	11	4.0
Multiparous	2472	9	3.6

	Total	Perinatal deaths	
		Number	rate
Total	5275	38	7.2
Booked	4867	29	6.0
Non-booked	407	9	22.1
Primiparous	2796	25	8.9
Multiparous	2479	13	5.2

FETAL LOSS VERSUS GESTATIONAL AGE*

Gestational age (weeks)	Total births	Live births	Stillbirth	Neonatal deaths	Perinatal deaths	All del. %	Excluding SB %
<26	24	18	6	10	14	33.3	44.4
rate /1000			250.0	555.6	583.3		
26-27	19	16	3	1	4	78.9	93.8
rate /1000			157.9	62.5	210.5		
28-29	22	19	3	1	4	81.8	94.7
rate /1000			136.4	52.6	181.8		
30-31	43	39	4	1	5	88.4	97.4
rate /1000			93.0	25.6	116.3		
32-33	60	59	1	1	2	96.7	98.3
rate /1000			16.7	17.0	33.3		
34-35	112	110	2	0	2	98.2	100
rate /1000			17.9	0	17.9		
36-37	580	579	1	0	1	99.8	100
rate /1000			1.7	0	1.7		
38-39	2517	2516	1	2	2	99.9	99.9
rate /1000			0.4	0.8	0.8		
40-41	1796	1795	1	4	4	99.7	99.8
rate /1000			0.6	2.2	2.2		
>=42	90	90	0	0	0	100	100
rate /1000			0	0	0		
Total	5275	5263	22	20	38		

* 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.

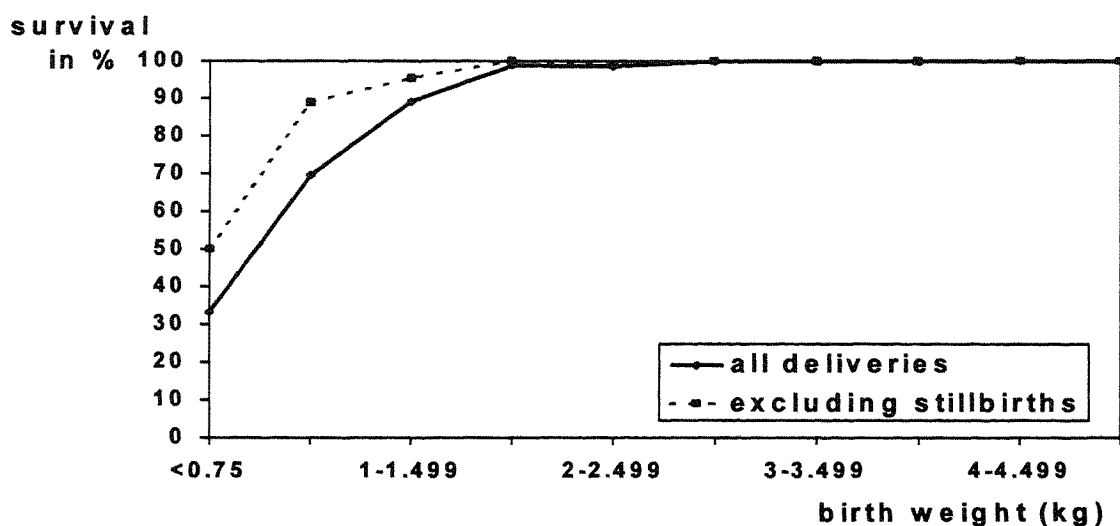


NUMBER OF FETAL LOSS VERSUS BIRTH WEIGHT*

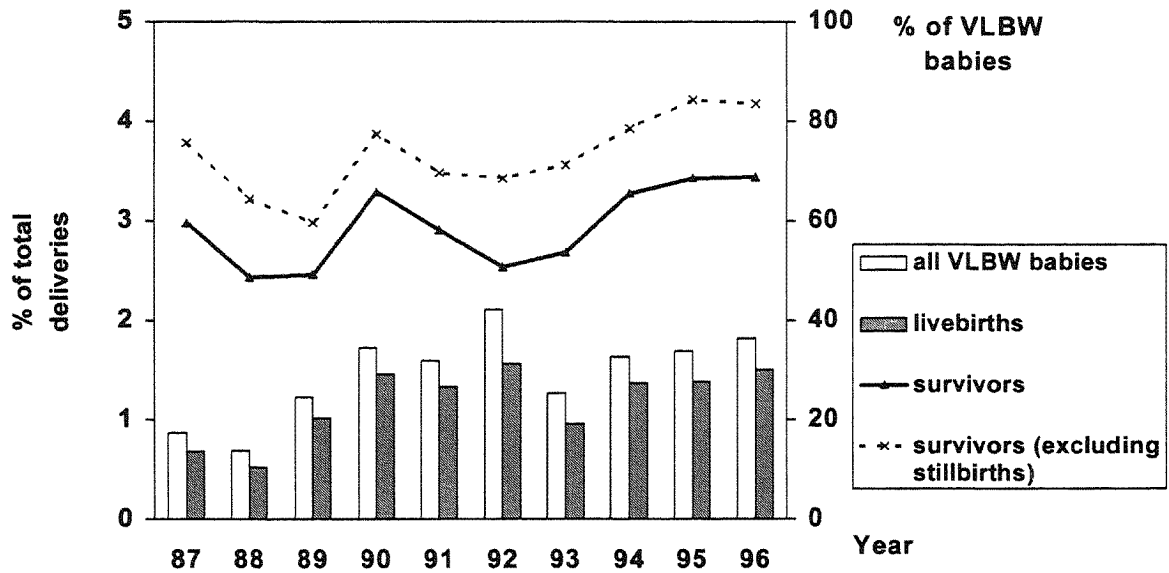
Birth weight in grammes	Total births	Live births	Still births	Neonatal deaths	Perinatal deaths	All del. %	Excluding SB %
500-749	27	18	9	9	16	33.3	50
rate /1000			333.3	500.0	592.6		
750-999	23	18	5	2	7	69.6	88.9
rate /1000			217.4	111.1	304.4		
1000-1499	46	43	3	2	5	89.1	95.3
rate /1000			65.2	46.5	108.7		
1500-1999	81	80	1	0	1	98.8	100
rate /1000			12.4	0	12.4		
2000-2499	270	269	1	3	4	98.5	98.9
rate /1000			3.7	11.1	14.8		
2500-2999	1339	1337	2	0	2	99.9	100
rate /1000			1.5	0	1.5		
3000-3499	2328	2327	1	3	2	99.8	99.9
rate /1000			0.4	1.3	0.9		
3500-3999	987	987	0	1	1	99.9	99.9
rate /1000			0	1.0	1.0		
4000-4499	162	162	0	0	0	100	100
rate /1000			0	0	0		
>=4500	12	12	0	0	0	100	100
rate /1000			0	0	0		
Total	5275	5253	22	20	38		

* Babies with unknown birthweight are excluded.

FETAL SURVIVAL ACCORDING TO BIRTHWEIGHT



OUTCOME OF VLBW BABY (Birthweight <=1500g)



GESTATIONAL AGE AND FUNCTIONAL MATURITY

	SGA	AGA	LGA	Total
Preterm	63	327	49	439
Term	238	3343	605	4186
Postterm	43	489	106	638
Total	344	4171	760	5275
(%)	6.5	79.1	14.4	

Definition : SGA less than 10th percentile for gestational age
 LGA more than 90th percentile for gestational age
 AGA appropriate for gestational age

CAUSE FOR STILLBIRTHS*

1. Congenital anomaly	3
2. Isoimmunization	0
3. Pregnancy induced hypertension	2
4. Antepartum haemorrhage	2
5. Mechanical	1
6. Maternal disorder	3
7. Unclassifiable	1
8. Unexplained	10
Total	22

* according to Cole et al (1986)

OBSTETRICAL CAUSES OF NEONATAL DEATHS*

1. Congenital anomaly	7
2. Isoimmunization	0
3. Pregnancy induced hypertension	0
4. Antepartum haemorrhage	2
5. Mechanical	0
6. Maternal disorder	0
7. Unclassifiable	0
8. Unexplained	11
Total	20

PAEDIATRIC CLASSIFICATION OF CAUSE OF NEONATAL DEATHS*

Cause	Major	Attributory
Congenital anomaly	7	0
Haemolytic disease of newborn	0	0
Hypoxia	2	1
Birth trauma	0	0
Respiratory distress syndrome	8	8
Intracranial haemorrhage	0	7
Infection	1	8
Others	1	11
Miscellaneous	0	0

* according to Hey et al (1986)

BIRTH TRAUMA

Total number	64
Incidence (%)	1.2

TYPES OF BIRTH TRAUMA*

	Number
Cephalhaematoma	7
Soft tissue trauma	10
Subaponeurotic haemorrhage	15
Intracranial haemorrhage	2
Fractures	18
Nerve injury	21
Visceral injury	1
Fetal outcome	
Stillbirths	0
Neonatal deaths	0
Perinatal deaths	0

Mode of delivery

	Total	Number	%
Spontaneous	3258	15	0.5
Vacuum extraction	827	33	4.0
Low forceps	276	10	3.6
Vaginal breech	80	2	2.5
Elective caesarean section	231	1	0.4
Emergency CS & others	601	3	0.5

* Each baby may have more than 1 type of trauma

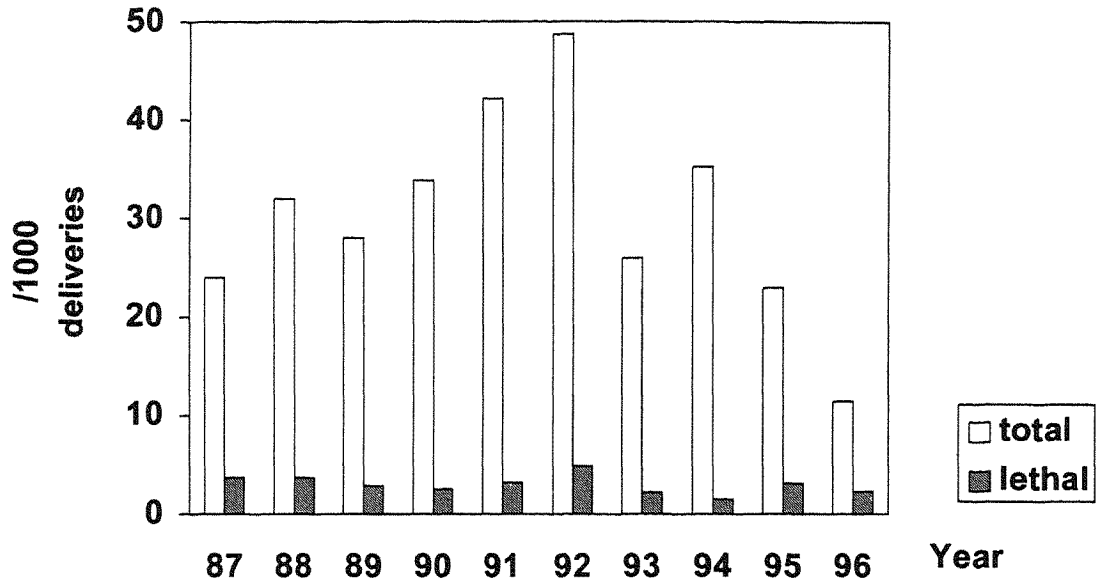
CONGENITAL MALFORMATION

Total number	60
Incidence (%)	1.1

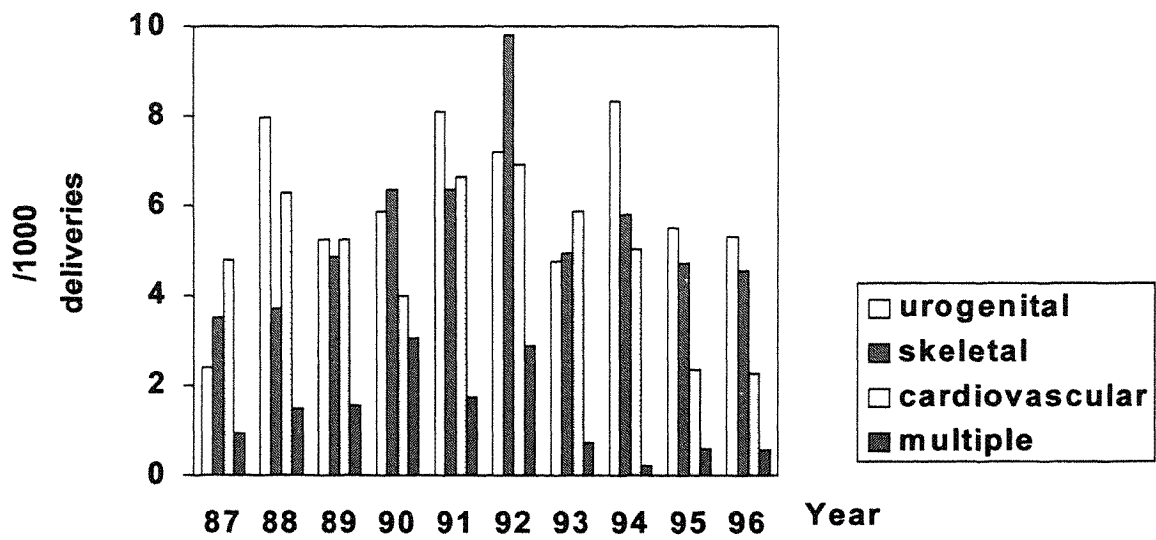
TYPES OF MALFORMATIONS

Chromosomal abnormalities	7
Central nervous system	3
Face,eye,ear,oral cavity	6
Gastrointestinal tract	5
Cardiovascular system	12
Respiratory system	4
Urogenital system	3
Skeletal system	9
Multiple abnormalities	3
Others	8
Fetal mortality	
Stillbirth	5
Neonatal deaths	7
Perinatal deaths	11
Incidence (%)	
among livebirths	1.1
among stillbirths	22.7
among neonatal deaths	35.0
among low birth weight babies (<2.5 kg)	4.0

CONGENITAL MALFORMATIONS



TYPES OF CONGENITAL MALFORMATIONS



OTHER NEONATAL COMPLICATIONS

	Number	%
Admission To Intensive Care Unit	162	3.07
Respiratory Distress Syndrome	12	0.23
Intraventricular Haemorrhage	8	0.15
Necrotising Enterocolitis	4	0.08
Major Infection		
Congenital infection	3	0.06
Pneumonia	9	0.17
Septicaemia	4	0.08
Meningitis	1	0.02
Other major infection	6	0.11

GYNAECOLOGY

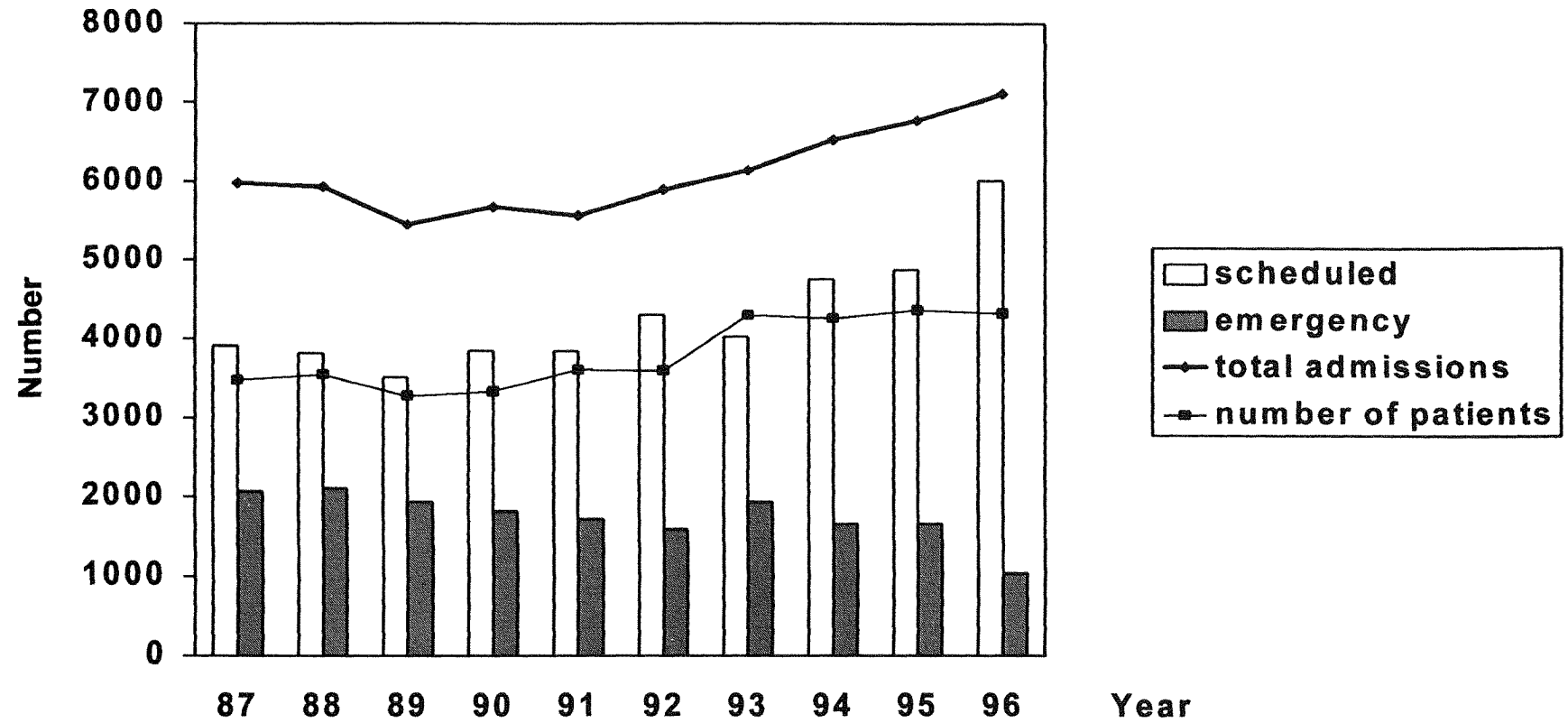
STATISTICS

COMPARATIVE STATISTICS (1987 - 1996)

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total admissions	5975	5926	5448	5673	5572	5901	6137	6530	6769	7115
Emergency	2065	2110	1939	1825	1725	1591	1935	1612	1657	1033
Scheduled	3910	3816	3509	3848	3847	4310	4022	4757	4867	6002
Total number of patients admitted	3486	3551	3276	3331	3613	3602	4303	4263	4367	4322
Diseases of uterine cervix (%)	9.27	9.6	7.94	7.87	6.2	6.11	9.6	8.77	7.9	6.2
Diseases of uterine body (%)	11.65	12.14	10.5	10.12	10.21	10.41	10.64	11.28	10.4	10.4
Diseases of ovary(%)	7.54	8.03	8.15	6.39	5.87	5.94	7.41	9.83	7.81	7.7
Diseases of menstruation (%)	20.63	19.09	18.96	17.02	16.39	11.69	10.48	9.52	10.74	9.6
Disorders of pregnancy & reproduction (%)	40.85	42.3	44.14	52.54	51.9	52.64	54.52	55.22	56.72	59.5
Major abdominal surgery for benign conditions	487	531	460	409	423	429	493	505	489	423
Major abdominal surgery for malignant conditions	122	146	107	60	40	73	127	163	115	132
Major vaginal operations	42	32	28	28	23	28	44	54	57	68
Major vulval operations	8	8	5	4	4	9	11	8	2	6
Endoscopic procedures*							280	318	504	825
Assisted reproduction procedures*							458	676	875	1049
Minor abdominal operations	415	384	450	419	398	405	158	143	52	16
Other minor operations	1653	1695	1565	1661	1870	1830	1899	1857	1738	1686
Death	24	25	28	17	29	39	32	23	17	9

* data collected only after 1993

ADMISSIONS TO GYNAECOLOGICAL WARDS



ADMISSIONS AND DISCHARGES STATISTICS

Total number of admissions	7115
Total number of admitted patients	4322

Status at admission

	Number	%
Scheduled	6002	84.4
Emergency	1033	14.5
Unplanned readmission	33	0.5
Transfer in	47	0.7

Status at discharge

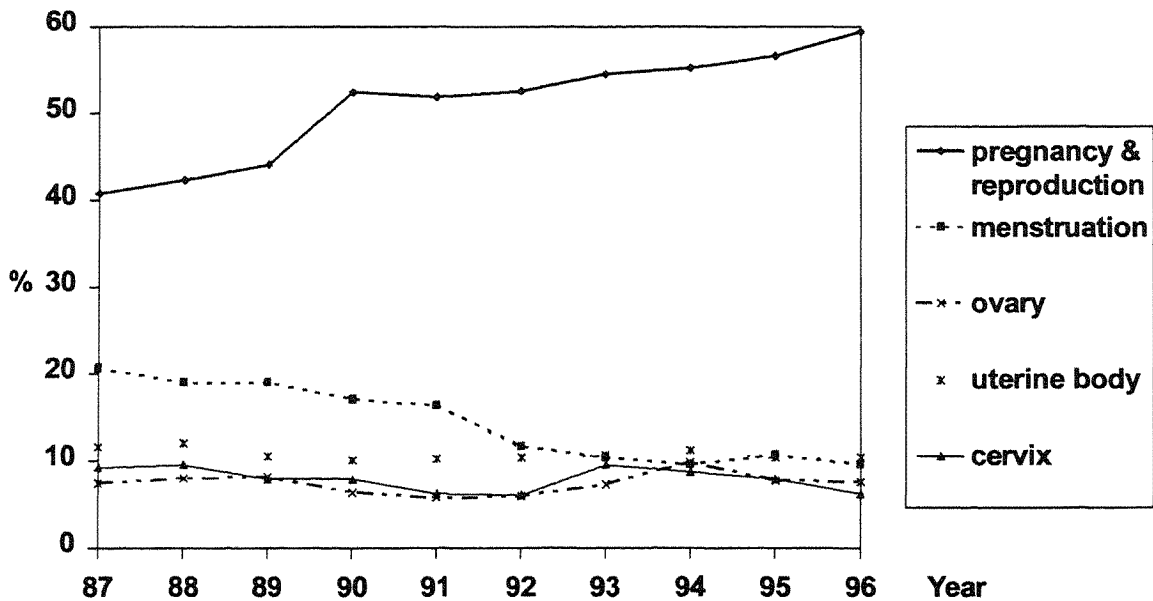
	Number	%
Discharge home	7093	99.7
Transfer referral	9	0.1
Transfer convalescence	4	0.1
Discharge against medical advice	0	0
Death	9	0.1

STATISTICAL SUMMARY

Diagnosis

	admissions		patients	
	number	%	number	%
Disease of vulva, perineum and urethra	152	2.1	132	3.1
Disease of vagina	80	1.1	65	1.5
Disease of uterine cervix	742	10.4	266	6.2
Disease of uterine body	753	10.6	450	10.4
Disease of fallopian tube	103	1.4	79	1.8
Disease of ovary	887	12.5	333	7.7
Disease of broad ligament and pelvic peritoneum	90	1.3	83	1.9
Disease of genital displacement/ urinary incontinence	103	1.4	80	1.9
Disease of menstruation	465	6.5	413	9.6
Disease of pregnancy and reproduction	3657	51.4	2570	59.5
Complications in pregnancy	77	1.1	71	1.6
Miscellaneous gynaecological condition	181	2.5	158	3.7
Miscellaneous condition	418	5.9	310	7.2

COMMON DIAGNOSTIC GROUPS*



* Number of patients

Treatment

	Number	%
Major abdominal surgery for benign conditions	423	5.9
Major abdominal surgery for malignant conditions	132	1.9
Major vaginal operation	68	1.0
Major vulval operation	6	0.1
Endoscopic procedures	825	11.5
Colposcopic related procedures	43	0.6
Assisted reproduction procedures	1049	14.7
Minor abdominal operations	16	0.2
Other minor operations	1686	23.7
Radiotherapy	25	0.4
Other forms of treatment	3531	49.6

Complications

	Number	%
Fever	21	0.3
Bowel injury	0	0
Urinary tract injury	4	0.1
Perforation of uterus	1	0
Chest infection	4	0.1
Urinary tract infection	28	0.4
Wound complication	6	0.1
Deep vein thrombosis	0	0
Cardiopulmonary arrest	2	0
Excessive blood loss	7	0.1
Postoperative haemorrhage	2	0
Others	10	0.1

DIAGNOSIS

Diseases of Vulva, Perineum and Urethra

	Admissions	Patients
Total	152	132
Congenital anomaly	0	0
Trauma	14	14
Infection	35	33
Benign neoplasm	11	10
Malignant neoplasm	14	5
Retention cyst	31	29
Vulval dystrophy	25	25
Urethral lesions	6	6
Miscellaneous	16	16

Diseases of Vagina

	Admissions	Patients
Total	80	65
Congenital anomaly	3	1
Trauma	5	5
Infection	17	17
Benign neoplasm	4	2
Malignant neoplasm	15	10
Retention cyst	5	5
Fistula	4	4
Vaginal intraepithelial neoplasia	4	3
Miscellaneous	23	19

Diseases of Uterine Cervix

	Admissions	Patients
Total	742	266
Congenital anomaly	2	2
Trauma	0	0
Infection	2	2
Benign neoplasm	30	30
Carcinoma of cervix	656	204
Other malignancy	2	2
Cervical intraepithelial neoplasia	44	35
Miscellaneous	7	7

Diseases of Uterine Body

	Admissions	Patients
Total	753	450
Congenital anomaly	12	11
Trauma	6	4
Infection	8	8
Fibromyoma	342	258
Carcinoma of corpus	222	80
Other malignancy	52	19
Myohyperplasia	3	3
Endometrial polyp	52	38
Adenomyosis	39	37
Endometrial hyperplasia	8	7
Miscellaneous	19	18

Diseases of Fallopian Tubes

	Admissions	Patients
Total	103	79
Acute pelvic inflammatory disease	57	56
Chronic pelvic inflammatory disease	8	7
Tuberculous salpingitis	0	0
Benign neoplasm	6	5
Malignant neoplasm	26	5
Miscellaneous	7	7

Diseases of Ovary

	Admissions	Patients
Total	887	333
Retention/functional cyst	17	15
Endometriotic cyst	104	96
Benign tumour/cyst	96	85
Primary malignant epithelial tumour	543	116
Primary malignant non-epithelial tumour	100	40
Secondary malignant tumour	3	3
Borderline malignant tumour	2	2
Miscellaneous	25	23

Diseases of Broad Ligaments and Pelvic Peritoneum

	Admissions	Patients
Total	90	83
Pelvic endometriosis	69	62
Parovarian cyst	3	3
Miscellaneous	18	18

Genital Displacements / Urinary Problems

	Admissions	Patients
Total	103	80
Uterine prolapse	86	67
Cystocele/rectocele/enterocele	72	60
Stress incontinence	6	6
Detrusor instability	2	2
Miscellaneous	9	7

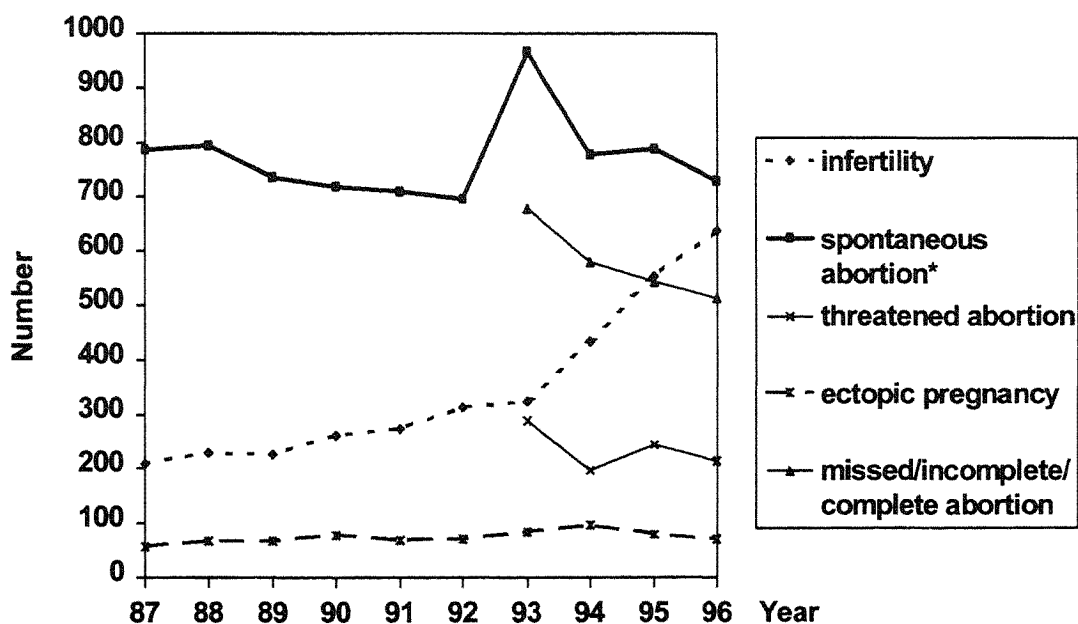
Disorders of Menstruation

	Admissions	Patients
Total	465	413
Primary amenorrhoea	1	1
Secondary amenorrhoea	7	7
Dysfunctional uterine bleeding	342	303
Postmenopausal bleeding	82	74
Dysmenorrhoea	12	10
Miscellaneous	21	20

Disorders of Pregnancy and Reproduction

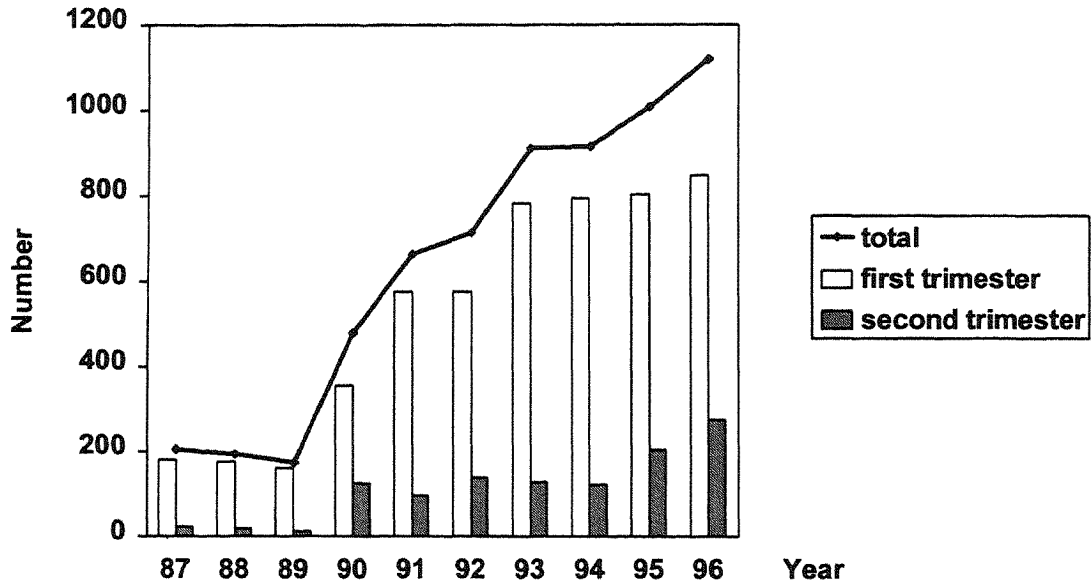
	Admissions	Patients
Total	3657	2570
Infertility	1293	639
Hyperemesis gravidarum	24	22
Threatened abortion	255	215
Spontaneous/missed abortion	559	514
Complete mole	10	7
Partial mole	6	4
Residual trophoblastic disease	66	23
Metastatic Malignant trophoblastic disease	40	18
Secondary postpartum haemorrhage	15	14
Other puerperal problems	6	6
Ectopic pregnancy	74	71
First trimester termination of pregnancy	937	846
Second trimester termination of pregnancy	292	274
Sterilization	154	149
Miscellaneous	19	19

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	77	71
Benign tumour of genital tract	4	4
Malignant tumour of genital tract	6	6
Medical diseases	2	2
Surgical diseases	7	7
Non-specific abdominal pain	59	53

Miscellaneous Gynaecological Conditions

	Admissions	Patients
Total	181	158
Retained IUCD	12	12
Abdominal pain of unknown cause	61	54
Complication of treatment in the same unit	58	51
Complication of treatment in other unit	29	24
Miscellaneous	22	22

Miscellaneous Conditions

	Admissions	Patients
Total	418	310
Breast disease	3	3
Urinary tract disease	77	70
Gastrointestinal tract disease	168	98
Cardiovascular disease	43	41
Respiratory tract disease	27	25
Central nervous system disease	15	13
Endocrine disease	40	36
Blood disease	18	17
Dermatological/musculoskeletal disease	27	25
Miscellaneous	13	11

TREATMENT

Major Abdominal Surgery For Benign Conditions

Total	423
Hysterectomy +/- salpingo-oophorectomy	173
Subtotal hysterectomy +/- salpingo-oophorectomy	0
Repair of urinary fistula	0
Myomectomy	43
Ovarian cystectomy	101
Salpingo-oophorectomy/Oophorectomy	26
Salpingectomy	43
Salpingotomy	17
Stress incontinence surgery	3
Miscellaneous	34

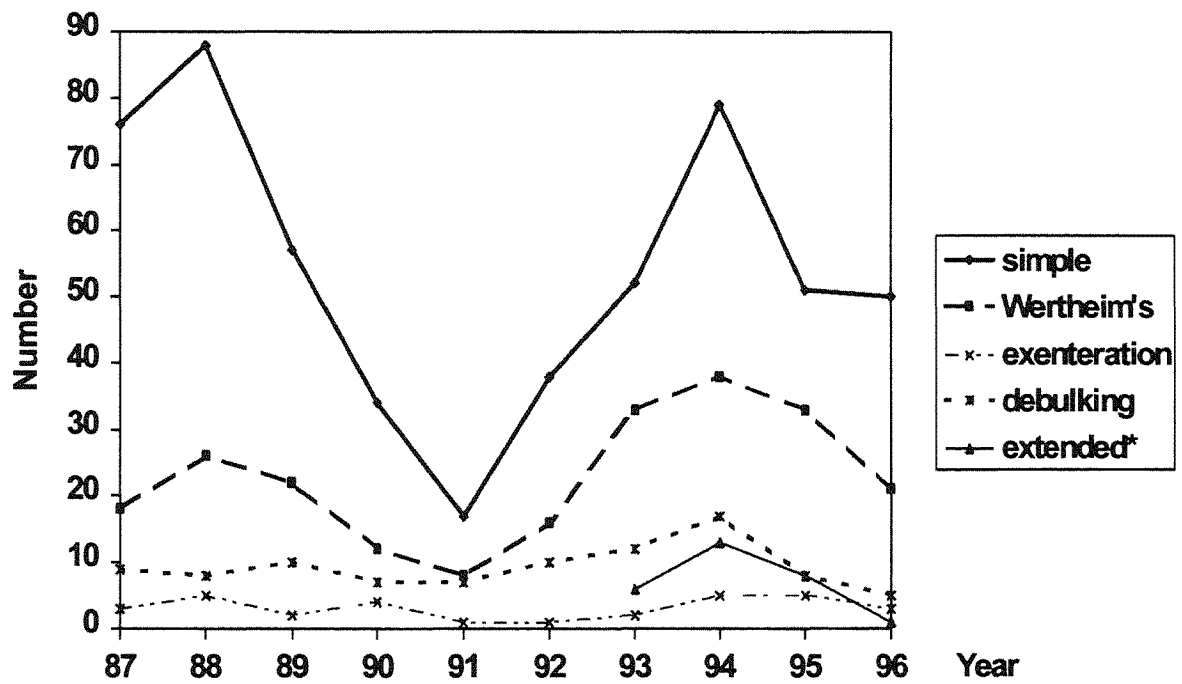
HYSTERECTOMY FOR BENIGN CONDITIONS



Major Abdominal Surgery For Malignant Conditions

Total	132
Hysterectomy +/- salpingo-oophorectomy	50
Subtotal hysterectomy +/- salpingo-oophorectomy	1
Wertheim's hysterectomy	21
Pelvic exenteration	1
Debulking	5
Extended hysterectomy	3
Miscellaneous	68

HYSTERECTOMY FOR MALIGNANT CONDITIONS



* extended hysterectomy was grouped as simple hysterectomy before 1993

Major Vaginal Operations

Total	68
Incontinent surgery	0
Vaginal hysterectomy	19
Vaginal hysterectomy + pelvic floor repair	40
Pelvic floor repair	1
Repair of urinary fistula	0
Miscellaneous	8

Major Vulval Operations

Total	6
Radical vulvectomy	1
Simple vulvectomy	3
Miscellaneous	2

Endoscopic Procedures

Total	825
Diagnostic laparoscopy	265
Laparoscopic sterilization	134
Other laparoscopic operations	207
operations for ovarian cyst	102
laparoscopic assisted vaginal hysterectomy	20
operation for ectopic pregnancy	50
others	35
Diagnostic hysteroscopy	379
Other hysteroscopic operations	38
Miscellaneous	16

Colposcopy Related Procedures*

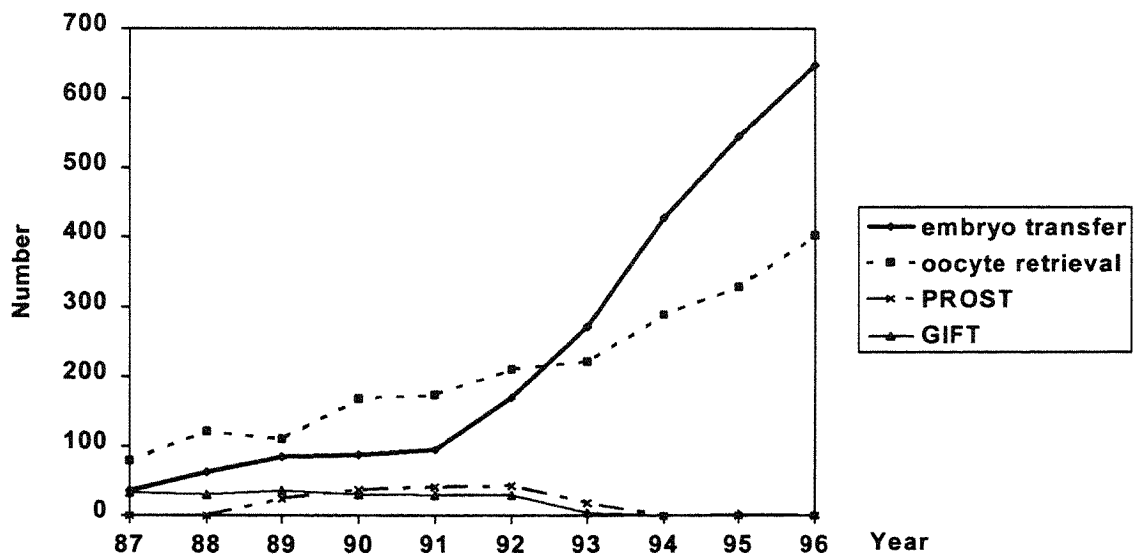
Total	
Cervical Cautery	3
Laser Vaporization	2
Laser Cone	0
Loop Excision	9
Cone Biopsy	10
Miscellaneous	19

*most of the colposcopic procedures were performed as out patient

Assisted Reproduction Procedures

Total	1047
Oocyte retrieval (ultrasound guided)	402
Oocyte retrieval (laparoscopic)	0
Gamete intrafallopian transfer (GIFT)	1
Pronuclear stage transfer (PROST)	0
Embryo transfer	648
Miscellaneous	4

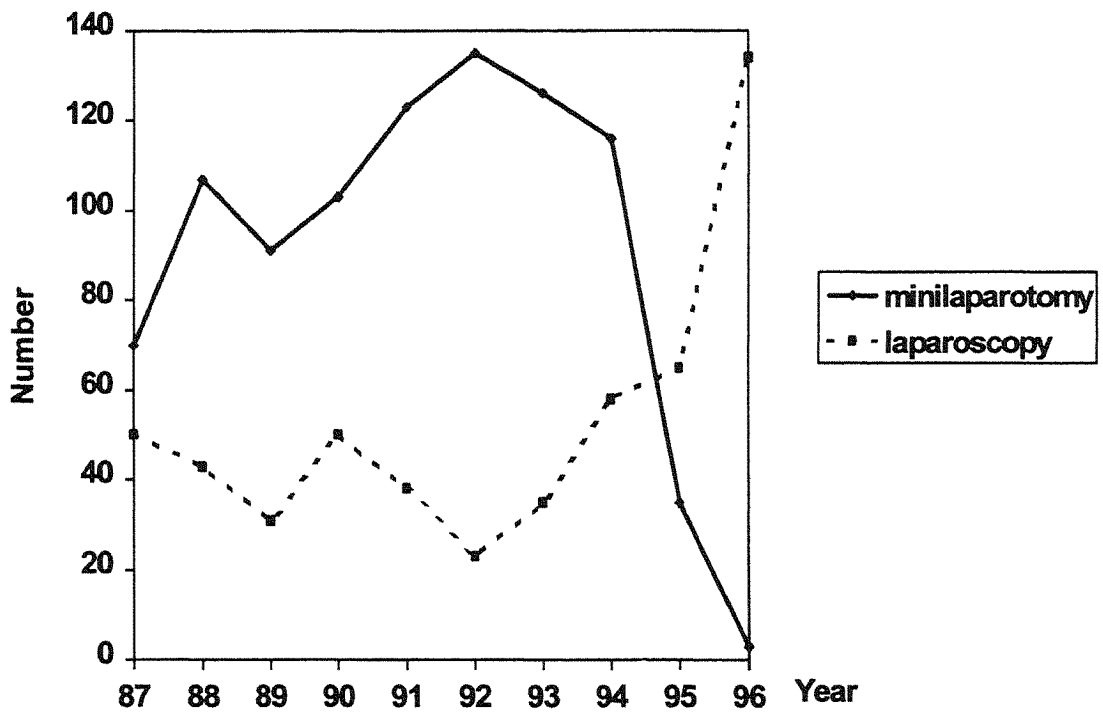
ASSISTED REPRODUCTION PROCEDURES



Minor Abdominal Operations

Total	16
Tubal ligation	3
Resuture of abdominal wound	7
Miscellaneous	6

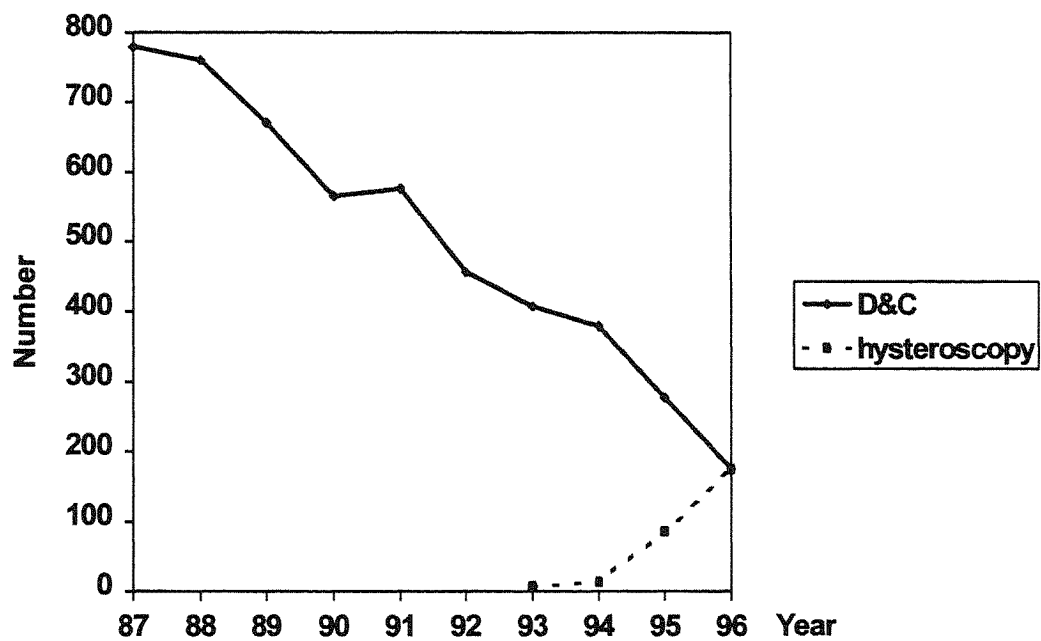
MINILAPAROTOMY & LAPAROSCOPIC STERILISATION



Other Minor Operations

Total	1686
Dilatation and curettage / polypectomy	174
Suction termination of pregnancy	817
Evacuation of retained products of conception	532
Marsupialization	40
Cervical cerclage	1
Other vulval surgery	66
Miscellaneous	90

D&C AND DIAGNOSTIC HYSTEROSCOPY*



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

Radiotherapy*

Total	25
Intracavitary radiotherapy	4
External radiotherapy	16
Miscellaneous	5

* most of the patients were admitted to the Department of Radiotherapy and Oncology and were not included in our statistics

Other Forms of Treatment

Total	3531
Observation and investigations	2017
Antibiotic as primary treatment	164
Prostaglandins	281
Hormones	165
Chemotherapy	377
Miscellaneous	561

COMPLICATION RATES IN RELATION TO COMMON OPERATIONS

	Total No.	No. of Complications (%)
All Major Abdominal Surgery	555	53 (9.5)
Hysterectomy (for benign conditions)	173	18 (10.4)
Myomectomy	43	1 (2.3)
Ovarian cystectomy	101	3 (3.0)
Salpingo-ophorectomy/oophorectomy	26	3 (11.5)
Salpingectomy	43	1 (2.3)
Hysterectomy (for malignant conditions)	51	8 (15.7)
Wertheim's hysterectomy	21	1 (4.8)
 Vaginal Hysterectomy	 59	 10 (16.9)
 Laparoscopy	 606	 5 (0.8)
Diagnostic laparoscopy	265	1 (0.8)
Laparoscopic sterilization	134	0 (0)
Other laparoscopic procedures	207	4 (1.9)
 Hysteroscopy	 415	 3 (0.7)
Diagnostic hysteroscopy	377	2 (0.5)
Operative hysteroscopy	38	1 (2.6)
 Dilatation and curettage	 173	 2 (1.2)
Suction evacuation for termination of pregnancy	817	0 (0)
Evacuation of products of conception	532	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			
All Major Abdominal Surgery	11	0	4	0	4	20	7	6	0
TAH (for benign conditions)	5	0	0	0	0	8	3	2	0
Myomectomy	0	0	0	0	0	1	0	0	0
Ovarian cystectomy	1	0	0	0	0	2	0	0	0
Salpingo-oophorectomy/ oophorectomy	1	0	0	0	0	1	1	0	0
Salpingectomy	0	0	0	0	0	0	0	1	0
TAH (for malignant conditions)	0	0	1	0	0	3	1	0	0
Wertheim's hysterectomy	0	0	0	0	1	0	0	0	0
Vaginal Hysterectomy	2	0	0	0	0	4	1	2	1
Laparoscopy	1	0	0	0	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	1	0
Hysteroscopy	1	0	0	1	0	1	0	0	0
Diagnostic hysteroscopy	0	0	0	1	0	1	0	0	0
Operative hysteroscopy	1	0	0	0	0	0	0	0	0
Dilatation and curettage	0	0	0	0	0	2	1	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

