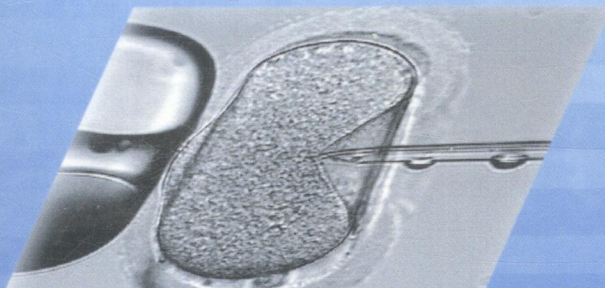


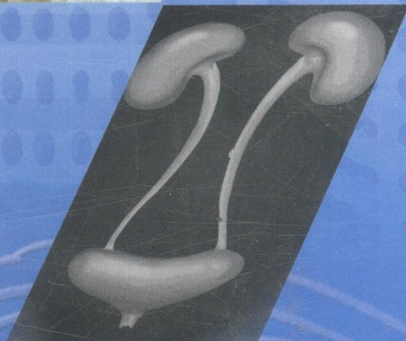
香港大學



**THE UNIVERSITY
OF HONG KONG**



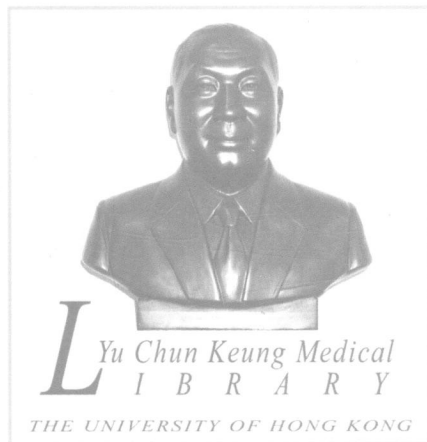
**2004
CLINICAL REPORT**



MRF
618.021
U5

*Department
of
Obstetrics and Gynaecology*





*This book was a gift
from*
Dept. of Obstetrics and Gynaecology
The University of Hong Kong

Message from the Head of Department

After a drop in the gynaecological workload during an epidemic of Severe Acute Respiratory Syndrome (SARS.) in 2003, the number of gynaecological admissions and operations in 2004 were increased back to that in 2002. There was a further increase in the number of assisted reproduction procedures by 26.4%.

The total number of deliveries in 2004 was similar to 2002 and 2003. The Caesarean section rate was increased from 25.2% to 30.1% while the instrumental delivery rate was decreased from 12.5% to 9.7%. The overall perinatal death rate was decreased from 8.2 to 5.5 per 1000 livebirths.

I would like to thank Dr. KY Leung for compiling this annual report. I would also like to thank the following colleagues for their contribution: Ms Amy Chow of Information Technology Department of the Hospital Authority and Dr. Ben Chan (for the obstetric statistics), Dr. Ivy Li (for the outpatient statistics), Dr. E Hon (for the general gynaecology statistics), Dr. Karen Chan (for the oncology statistics), Ms Pamela Chau (for retrieval of general gynaecology data), and Ms Miranda Tang (for the typing of the report).

Professor P.C. Ho

Chair of Obstetrics and Gynaecology

Chief of Service, Department of Obstetrics and Gynaecology, Queen Mary Hospital,

Head, Department of Obstetrics and Gynaecology, The University of Hong Kong

CONTENTS

List of medical staff	1
Obstetrics	
Comparative statistics	6
Intervention rates & perinatal mortality	7
Statistical summary	8
Patients characteristics	9
Genitourinary congenital anomaly, cardiac diseases, diabetes mellitus	10
Blood/renal/liver/respiratory/gastrointestinal/gall bladder diseases, epilepsy and other neurological diseases	11
Psychiatric/immunological/thyroid/surgical/malignant and sexually transmitted diseases	12
Other infection and other associated diseases	13
Hypertension in pregnancy	14
Antepartum haemorrhage	15
Preterm labour	16
Multiple pregnancy	17
Postpartum haemorrhage, manual removal of placenta	18
Postpartum anaemia	19
Puerperal pyrexia and other complications	20
Induction of labour	21
Indications for induction	22
Types of labour	23
Obstetric analgesia during labour	24
Pregnancy following previous caesarean sections	25
Breech presentation	26
Malpresentation other than breech presentation	27
Prolapse and presentation of umbilical cord	28
Mode of operative delivery	29
Indications for assisted delivery	30
Apgar score at birth versus mode of delivery	31
Perinatal data	32
Summary of fetal loss	33
Fetal loss/survival versus gestational age	34
Fetal loss/survival versus birth weight	35
Outcome of VLBW babies and functional maturity	36
Causes of stillbirths	37
Causes of neonatal deaths	38
Birth trauma	39
Congenital malformations	40
Other neonatal complications	41

Gynaecology	
Comparative statistics	44
Admissions to gynaecological wards	45
Outpatients statistics	46
Admissions and discharges statistics	49
Statistical summary	50
Diagnosis	
diseases of vulva, perineum,urethra/vagina	52
diseases of uterine cervix/uterine body/fallopian tubes	53
diseases of ovary	54
diseases of broad ligaments and pelvic peritoneum/menstruation; genital displacement and urinary problems	55
disorders of pregnancy and reproduction	56
complications in pregnancy	57
miscellaneous gynaecological/miscellaneous conditions	58
Treatment	
major abdominal surgery for benign conditions	59
major abdominal surgery for malignant conditions	60
major vaginal/major vulval operations and endoscopic procedures	61
colposcopy related/assisted reproduction procedures	62
minor abdominal operations	63
other minor operations	64
radiotherapy, other forms of treatment	65
List of Abbreviations	66

**MEDICAL STAFF OF
DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY,
UNIVERSITY OF HONG KONG (2004)**

Obstetrician and Gynaecologist in charge :

Prof. P.C. Ho	M.B.,B.S. (H.K.); M.D. (H.K.); F.R.C.O.G.; F.H.K.A.M. (O&G); F.H.K.C.O.G.
Head, Department of Obstetrics & Gynaecology, University of Hong Kong Chief of Service, Department of Obstetrics & Gynaecology, Queen Mary Hospital Consultant Obstetrician & Gynaecologist to the Hospital Authority	

Hospital Chief Executive :

Dr. York Y.N. Chow	S.B.S., J.P.; M.B.,B.S. (HK); F.R.C.S.(E); F.H.K.A.M.(Orth) (till October 2004)
Dr. M.P. Leung	F.R.C.S.; F.H.K.C.E.M.; F.H.K.A.M.(Emergency Medicine) (Acting from October 2004 to December 2004)

Professors, Specialists in Obstetrics & Gynaecology :

Prof. H.Y.S. Ngan	M.B.,B.S. (H.K.); M.D. (H.K.); F.R.C.O.G.; F.H.K.A.M. (O&G); F.H.K.C.O.G.
Prof. G.W.K. Tang	M.B.,B.S. (H.K.); F.R.C.O.G. F.H.K.A.M. (O&G); F.H.K.C.O.G.
Prof. T.T.H. Lao	M.B.,B.S. (H.K.); M.D. (H.K.); F.R.C.O.G.; F.H.K.A.M.(O&G); F.H.K.C.O.G.

Associate Professors, Specialists in Obstetrics & Gynaecology :

Dr. E.H.Y. Ng	M.B.,B.S. (H.K.); M.Phil.(Sheriff); M.D. (H.K.) M.R.C.O.G.; F.H.K.A.M. (O&G); F.H.K.C.O.G.
Dr. C.S.W. Ngai	M.B.,B.S. (H.K.); M.D.(H.K.); M.R.C.O.G. ; F.H.K.A.M. (O&G) ; F.H.K.C.O.G.

Associate Professor (Non-Clinical)

Dr. W.S.B. Yeung	B.Sc.,Ph.D. (H.K.); CBiol.
------------------	----------------------------

Consultants, Specialists in Obstetrics & Gynaecology :

Dr. C.P. Lee	M.B.,B.S. (H.K.); F.R.C.O.G.; F.H.K.A.M. (O&G); F.H.K.C.O.G.
Dr. K.Y. Leung	M.B.,B.S. (H.K.); MSc(ECOM & ICOM); F.R.C.O.G.; F.H.K.A.M. (O&G); F.H.K.C.O.G. Dip (Epid & Appl Stat)
Dr. T.C. Pun	M.B.,B.S. (H.K.); F.R.C.O.G.; F.H.K.A.M. (O&G); F.H.K.C.O.G.

Dr. M.H.Y. Tang M.B.,B.S. (H.K.); F.R.C.O.G.;
F.H.K.A.M. (O&G); F.H.K.C.O.G.

Associate Consultants/Senior Medical Officers, Specialists in Obstetrics & Gynaecology :

Dr. C.T. Lau M.B.,B.S. (H.K.); M.R.C.O.G.;
F.H.K.A.M. (O&G) ; F.H.K.C.O.G.
Dr. W.C. Leung M.B.,B.S. (H.K.); M.R.C.O.G.;
F.H.K.A.M. (O&G) ; F.H.K.C.O.G.
Dr. F.O.S. Tang M.B.,B.S. (H.K.); M.D. (H.K.); M.R.C.O.G.;
F.H.K.A.M. (O&G) ; F.H.K.C.O.G.

Assistant Professor (Non-Clinical)

Dr. C.K.F. Lee B.Sc.,PhD. (H.K.)

Assistant Professors & Medical Officers, Specialists in Obstetrics & Gynaecology :

Dr. B.C.P. Chan M.B.,B.S. (H.K.); M.R.C.O.G.
F.H.K.A.M. (O&G) ; F.H.K.C.O.G.
Dr. C.C.W. Chan M.B.,B.S. (H.K.); M.R.C.O.G.
F.H.K.A.M. (O&G) ; F.H.K.C.O.G.
Dr. K.K.L. Chan M.B.,B.Chir (U.K.); M.R.C.O.G.; B.A.;
F.H.K.C.O.G.; F.H.K.A.M. (O&G)
Dr. Y.M. Chan M.B.,B.S. (H.K.); M.R.C.O.G.;
F.H.K.A.M. (O&G) ; F.H.K.C.O.G. (till March 2004)
Dr. E.H.C. Hon B.Sc., M.B.,B.S. (Lond.); M.R.C.O.G.
F.H.K.A.M. (O&G); F.H.K.C.O.G.
Dr. H.S.W. Lam M.B.,B.S. (H.K.); M.R.C.O.G.;
F.H.K.A.M. (O&G) ; F.H.K.C.O.G.
Dr. K.W. Lam M.B.,B.S. (H.K.); M.R.C.O.G.;
F.H.K.A.M.(O&G); F.H.K.C.O.G.
Dr. W.N.T. Lau M.B.,B.S. (H.K.); M.R.C.O.G.;
F.H.K.A.M. (O&G) ; F.H.K.C.O.G.
Dr. T.W. Leung M.B.,B.S. (H.K.); M.R.C.O.G.;
F.H.K.A.M. (O&G); F.H.K.C.O.G.
Dr. I.C.F. Li M.B.,B.S. (H.K.); M.R.C.O.G.;
F.H.K.A.M. (O&G); F.H.K.C.O.G.
Dr. C.Y.T. Ong M.B.,B.Ch. (U.K.); M.R.C.O.G.;
F.H.K.C.O.G.; F.H.K.A.M. (O&G)
Dr. T.Y. Ng M.B.,B.S. (Sing.); M.Med. (Sing.);
F.R.C.O.G.; F.H.K.A.M. (O&G) ; F.H.K.C.O.G.
(till June 2004)
Dr. K.F. Tam M.B.,B.S. (H.K.); M.R.C.O.G.
F.H.K.A.M. (O&G) ; F.H.K.C.O.G.

Assistant Professors and Medical Officers :

Dr. P.W. Hui M.B.,B.S. (H.K.); M.R.C.O.G.; M.H.K.C.O.G.
Dr. A.S.Y. Kan M.B.,B.S. (H.K.); M.R.C.O.G.; M.H.K.C.O.G.
Dr. T.K.T. Li M.B.,Ch.B. (C.U.H.K.)
Dr. N.W.M. Shek M.B.,B.S. (H.K.)

Dr. K.Y. Tse M.B.,B.S. (H.K.)

Clinical Associates:

Dr. J.D. Li M.B.,B.S.; Medical Master (Sun Yat-sen University)
(from July 2004)
Dr. Y. Liu M.B.,B.S. (Taishan); Medical Master (Shanghai)
(from March 2004)
Dr. Z.L. Wang M.D. (Guangzhou) (till March 2004)
Dr. K.Y. Xie M.D. (Shanghai) (till February 2004)
Dr. C.Y. Zheng M.B.,B.S.; M.Med.Sc.(Sun Yat-sen University)
(from March 2004 to August 2004)

Consultant Anaesthesiologists :

Dr. S.J. Wong M.B.,B.Ch.; B.A.O. (Dub.); F.A.N.Z.C.A.;
F.H.K.A.M. (Anaes.); F.F.A.R.A.C.S.;
F.H.K.C.A.
Dr. S.N.R. Chan M.B.,B.S. (Ade); F.A.N.Z.C.A.;
F.H.K.C.A.; F.H.K.A.M. (Anaes.)
Dip Pain Mgt (HKCA)

Consultant Dermatologist :

Dr. K.K. Lo M.B.,B.S. (H.K.); Dip.Derm. (Lond.);
M.R.C.P. (U.K.); F.H.K.A.M. (Med.);
F.R.C.P. (Glasgow); F.H.K.C.P

Consultant Paediatricians :

Prof. Y.L. Lau M.B.,Ch.B; M.D., F.R.C.P.(Edin & London);
F.R.C.P.C.H; F.H.K.A.M.(Paed.)
Dr. B. Lam M.B.,B.S. (H.K.); M.R.C.P. (U.K.);
F.H.K.A.M. (Paed.); F.H.K.C Paed;
F.R.C.P. (Edin & London); F.R.C.P.C.H. (U.K.)
Dr. N.S. Tsoi M.B.,B.S. (H.K.); D.C.H. (Lond.);
M.R.C.P. (U.K.); F.H.K.A.M. (Paed.);
F.R.C.P.C.H. (U.K.); F.H.K.C. Paed.
F.R.C.P. (Edin); F.R.C.P. (Glasgow)

Consultant Pathologists :

Dr. R.J. Collins M.B.,B.S.(N.S.W.);F.R.C.P.A.;F.H.K.C.(Path);
F.H.K.A.M.(Pathology);F.I.A.C.
Dr. D. Higgins B.V.Sc; D.V.Sc. Liv; Ph.D. Cornell;
F.R.C.V.S.; F.R.S.M.; F.R.C.Path.

Consultant Physician :

Prof. W.K. Lam M.D.; F.R.C.P.(Edin); F.R.C.P.(Glasgow);
F.R.C.P. (London); F.R.A.C.P.; F.H.K.C.P.
F.H.K.A.M. (Med.);

Consultant Psychiatrist :

Prof. S.W. Tang

M.B.,B.S.; M.B.A.; PhD; F.R.C.P. (C)
Dip Am Board (Psychiatry)

Consultant Radiologist :

Dr. L.L.Y. Leong

M.B.,B.S. (H.K.); D.M.R.D.(London); F.R.C.R.(Eng);
F.H.K.C.R.; F.H.K.A.M. (Radiology)

Consultant Surgeon :

Prof. J. Wong

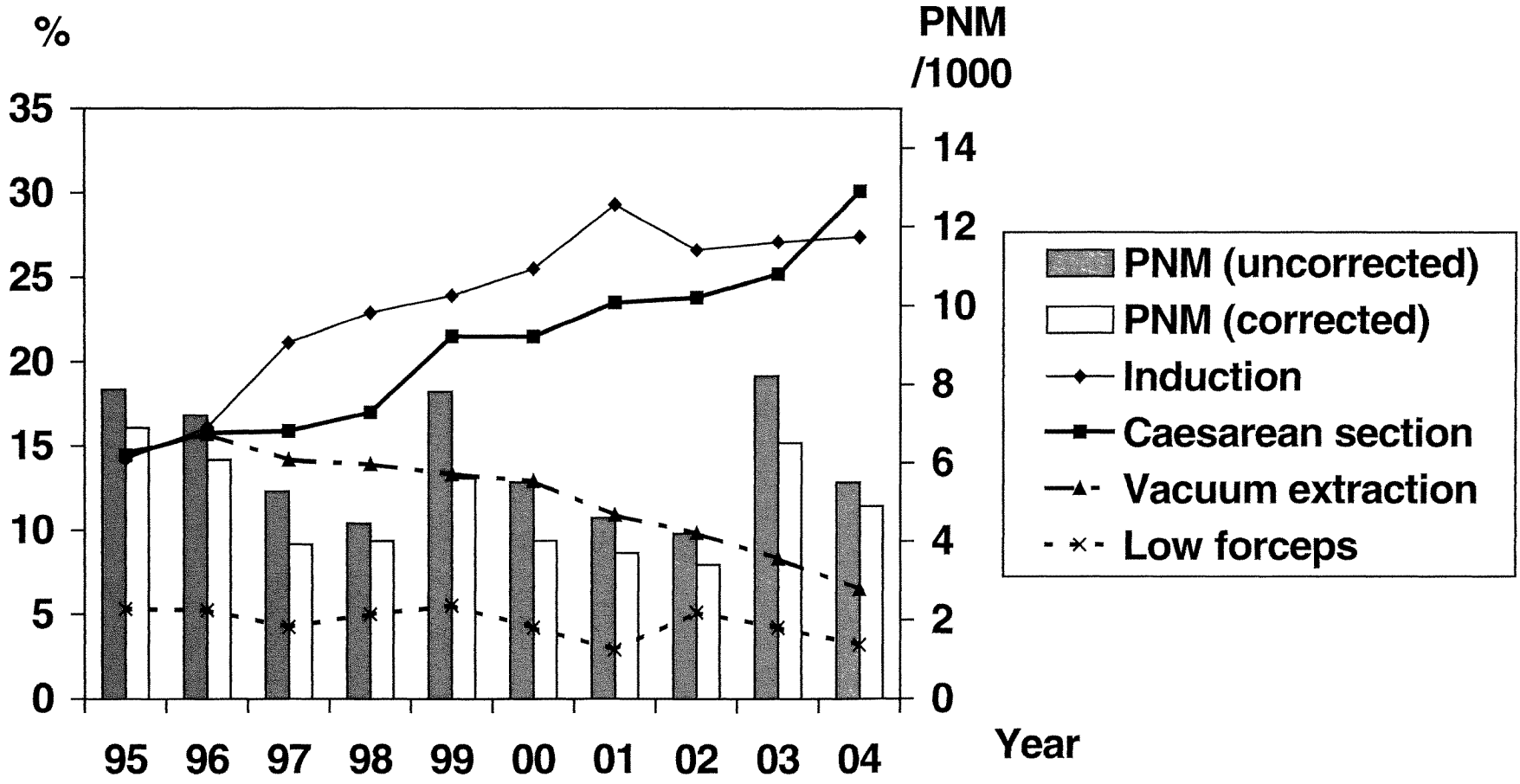
B.Sc. (Med); M.B.,B.S., Ph.D., M.D. (Syd. Hon);
F.R.A.C.S.; F.R.C.S. (Edin.); F.A.C.S. (Hon.)

OBSTETRICS

COMPARATIVE STATISTICS (1995 - 2004)

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
TOTAL PATIENTS DELIVERED	5023	5205	4861	4434	4399	4630	4006	3500	3481	3404
PRIMIPARAE	2597	2747	2555	2435	2585	2746	2285	1942	1967	2036
MULTIPARAE	2426	2458	2306	1999	1814	1884	1721	1558	1514	1368
PREGNANCY INDUCED HYPERTENSION	136	150	106	139	119	95	92	110	88	112
ECLAMPSIA	1	1	3	1	2	2	0	4	1	0
ACCIDENTAL HAEMORRHAGE	20	33	32	16	7	6	10	10	10	7
PLACENTA PRAEVIA	46	54	45	36	39	41	48	47	45	46
POSTPARTUM HAEMORRHAGE	158	140	117	80	110	106	72	45	47	57
INDUCTION OF LABOUR(%)	14.2	16.1	21.1	22.9	23.9	25.5	29.3	26.6	27.1	27.4
VACUUM EXTRACTION(%)	14.5	15.7	14.2	13.9	13.3	12.9	10.9	9.8	8.3	6.5
FORCEPS DELIVERY(%)	5.3	5.2	4.3	5.0	5.5	4.2	2.9	5.1	4.2	3.2
CAESAREAN SECTION(%)	14.4	15.8	15.9	17.0	21.5	21.5	23.5	23.8	25.2	30.1
MATERNAL DEATHS	1	2	0	0	1	1	0	1	0	0
INFANTS BORN IN HOSPITAL	5063	5249	4914	4481	4473	4704	4065	3563	3536	3484
INFANTS BORN BEFORE ADMISSION	24	26	16	18	14	9	10	4	14	3
TOTAL INFANTS BORN	5087	5275	4930	4499	4487	4713	4075	3567	3550	3487
STILLBIRTH RATE (PER 1000 TOTAL DELIVERIES)	4.9	4.2	4.1	2.9	5.4	4.5	2.5	3.6	6.5	3.2
NEONATAL DEATH RATE (PER 1000 LIVEBIRTHS)	4.2	3.8	1.4	1.6	2.7	1.5	2.2	1.1	2.0	3.2
PERINATAL DEATH RATE (PER 1000 LIVEBIRTHS)	7.9	7.2	5.3	4.5	7.8	5.5	4.7	4.2	8.2	5.5
CORRECTED PERINATAL DEATH RATE (EXCLUDING NON-BOOKED CASES WITH IUD ON ADMISSION)	6.9	6.1	3.9	4.0	5.6	4.0	3.7	3.4	7.0	4.9

INTERVENTION RATES & PERINATAL MORTALITY 1995-2004



STATISTICAL SUMMARY

	Tsan Yuk Hospital	Queen Mary Hospital
Obstetric Clinic Attendance		
Antenatal new cases	3867	369
Antenatal follow-up cases	12825	1592
Postnatal cases*	656	155
Postnatal follow-up cases	340	-
Combined diabetic clinic	-	1223
Combined medical clinic	-	349
Private	-	248
Second Trimester Routine Scan	1799	-
Day Centre Attendance		
Cardiotocogram	458	70
Oral glucose tolerance test	6516	522
Sugar profile	566	-
Blood pressure monitoring	60	-
Removal of stitches	-	1923
Wound assessment	-	1052
Miscellaneous	6652	585

* Patients without complications were referred to Maternal Child Health Centres for follow up

PATIENTS CHARACTERISTICS

Ethnic origin:	Chinese	Number	%
	Non-Chinese	2868	84.25
Average Age (yr.):	Primiparous	536	15.75
	Multiparous	29.36	
	Total	32.28	
Parity at booking:	Primiparous	Number	%
	Multiparous	2036	59.81
Average height(cm):		1368	40.19
Average pre-pregnant weight(kg):		157	
		57	
Education level:	None	Number	%
	Primary	45	1.32
	Secondary	250	7.34
	Tertiary	2142	62.93
Smoking habit:	Nonsmokers	922	27.09
	=<20 per day	3331	97.86
	>20 per day	72	2.12
Family income(HK dollars*1000):		1	0.03
			13.20

CONGENITAL ANOMALY OF GENITAL AND URINARY TRACT

Total number of cases	6
Incidence (%)	0.18

CARDIAC DISEASES

Total number of cases	79
Incidence (%)	2.32

	Number	%
Rheumatic heart disease	7	0.21
Congenital heart disease	13	0.38
Mitral valve prolapse	5	0.15
Arrhythmia	12	0.35
Others	42	1.23

GESTATIONAL DIABETES* & PRE-EXISTING DIABETES MELLITUS

	Gestational DM* IGT#	DM#	Pre-existing DM
Total number of cases	334	66	7
Incidence(%)	9.81	1.94	0.21
Total no of babies	343	77	7
Incidence of CS	136	51	3
Stillbirth	0	0	0
Neonatal death	1	0	0
Perinatal death	1	0	0
Large for date babies (%)	34 9.91	8 10.39	5 71.43
Small for date babies (%)	55 16.03	17 22.08	0 0.00

* According to the International Workshop Conference on Gestational Diabetes

According to WHO criteria (1980)

BLOOD DISORDERS

	Number	%
Anaemia	203	5.96
Iron deficiency	43	1.26
Alpha-thalassaemias	68	2.00
Beta-thalassaemias	38	1.12
Fe def. & thalassaemias	1	0.03
Others	129	3.79

RENAL DISEASES

Total number of cases	11
Incidence (%)	0.32

LIVER DISEASES

Total number of cases	4
Incidence (%)	0.12

RESPIRATORY DISEASES

Total number of cases	21
Incidence (%)	0.62

GASTROINTESTINAL/GALL BLADDER DISEASES

Total number of cases	5
Incidence (%)	0.15

EPILEPSY

Total number of cases	6
Incidence (%)	0.18

OTHER NEUROLOGICAL DISEASES

Total number of cases	10
Incidence (%)	0.29

PSYCHIATRIC DISEASES

Total number of cases	28
Incidence (%)	0.82

AUTOIMMUNE DISEASES

Total number of cases	12
Incidence (%)	0.35

THYROID DISEASES

Total number of cases	64
Incidence (%)	1.88

SURGICAL DISEASES

Total number of cases	11
Incidence (%)	0.32

MALIGNANT DISEASES

Total number of cases	3
Incidence (%)	0.09

SEXUALLY TRANSMITTED DISEASES

Total number of cases	17
Incidence (%)	0.49

Types	Cases
Syphilis	4
Gonorrhoea	1
Herpes	2
Condyloma acuminata	1
Chlamydia	7
Combination of above/others	2

OTHER INFESTATIONS/INFECTIONS

Total number of cases	213
Incidence (%)	6.26

Types	Cases
Moniliasis	64
Trichomoniasis	0
Combination/others	149

OTHER ASSOCIATED CONDITIONS

	Cases	%
Hyperemesis gravidarum	0	0.00
Skin diseases	11	0.32
Kyphoscoliosis	2	0.06
Incompetent os	12	0.35
Drug addiction	2	0.06
Rhesus negative mothers	47	1.38
Others	63	1.85

HYPERTENSION IN PREGNANCY*

Total number of cases	138
Incidence (%)	4.05
Primiparous	88
Multiparous	50

Type	Cases	Induced labour	Caesarean# section	SB#	NND#	PND#
Gestational HT	57	38	27	0	0	0
G. Proteinuria	14	5	11	0	0	0
G. P. HT	44	10	35	1	0	0
Chronic HT	11	5	5	0	0	0
C. HT with PET	7	4	6	0	0	0
Unclassifid HT/P	10	7	4	0	0	0
Eclampsia	0	0	0	0	0	0

Perinatal Mortality = 7.3 /1000 total births

*according to Davey & MacGillivray(1988)

#No. of babies

ANTEPARTUM HAEMORRHAGE

Total number of cases	166
Incidence (%)	4.88

Mode of delivery of fetus versus types of antepartum haemorrhage*

Mode of delivery	Placenta Praevia	Accidental haemorrhage	APH of ? origin	Extra placental
Spontaneous	2	0	49	4
Vac. extract.	0	1	15	1
Low forceps	1	0	3	0
Vag. Breech	0	0	0	0
Elective CS	14	0	10	2
Emergency CS & oth	30	6	41	4
Total	47	7	118	11

* There may be more than one cause for antepartum haemorrhage in a patient

Outcome of fetus versus causes of antepartum haemorrhage*

Outcome	Placenta Praevia	Accidental haemorrhage	APH of ? origin	Extra placental
Stillbirth	1	0	0	0
NN death	0	0	4	0
PN death	1	0	4	0

*No of babies

PRETERM DELIVERIES

Total number of cases			261
Incidence (%)			7.48
Parity	Total	Cases	%
Primiparous	2101	172	8.19
Multiparous	1386	89	6.42
Outcome		Cases	Rate (per 1000)
Stillbirth-ante partum		6	22.99
Stillbirth-intrapartum		0	0.00
Stillbirth-undetermined		2	7.66
Neonatal death		11	42.15
Perinatal death		16	61.30
Mode of delivery		Cases	%
Spontaneous vaginal delivery		85	32.57
Vacuum extraction		4	1.53
Low forceps		8	3.07
Vaginal breech delivery		1	0.38
Elective caesarean section		10	3.83
Emergency CS & others		153	58.62
Birth weight		Cases	%
<2500 g		149	57.09
<1500 g		42	16.09
<1000 g		38	14.56
Number of pregnancies	Total	Cases	%
Singleton	3324	174	5.23
Multiple pregnancies	163	87	53.37

NEONATAL COMPLICATIONS

	Cases	%
Admission to ICU >24 hours	103	39.5
Congenital abnormality	14	5.4
Major infection	8	3.1
Respiratory distress syndrome	34	13.0
Intraventricular haemorrhage	41	15.7
Necrotising enterocolitis	16	6.1

MULTIPLE GESTATION

Total cases	80
Incidence (%)	2.35
Primiparous	63
Multiparous	17
Twins	77
Triplets	3
Quadruplets & higher order	0
Total number of babies	163
Preterm < 37 weeks	87
> = 37 weeks	76
Induced labour	4
Incidence of induced labour	5.00

Mode of delivery versus number of babies

	1st baby	2nd baby	3rd baby
Spontaneous vaginal	6	5	1
Vacuum extraction	0	0	0
Low forceps	2	2	0
Vaginal breech delivery	0	1	0
Other vaginal delivery	0	0	0
Caesarean section & others	72	72	2

Outcome of fetus versus number of babies

	1st baby	2nd baby	3rd baby
Livebirths	80	78	3
Stillbirth - antepartum	0	2	0
Stillbirth - intrapartum	0	0	0
Stillbirth - undetermined	0	0	0
Neonatal death	2	3	1
Perinatal death	1	4	1

POSTPARTUM HAEMORRHAGE

Total number of cases	57
Incidence (%)	1.67
Primiparous	33
Multiparous	24

Types	Cases	%
Primary PPH	54	1.59
Secondary PPH	4	0.12

Causes of Primary PPH

Causes	Cases
Uterine atony	22
Retained gestational product	21
Ruptured uterus	0
Cervical tear	8
Vaginal tear	3
Perineal wound	2
Genital haematoma	3
Uterine inversion	1
Consumptive coagulopathy	0
Others	3

Causes of Secondary PPH

Causes	Cases
Retained gestational product	1
Genital tract infection	0
Others	3

MANUAL REMOVAL OF PLACENTA

Total number of cases	35
Incidence (%)	1.03

POSTPARTUM ANAEMIA*

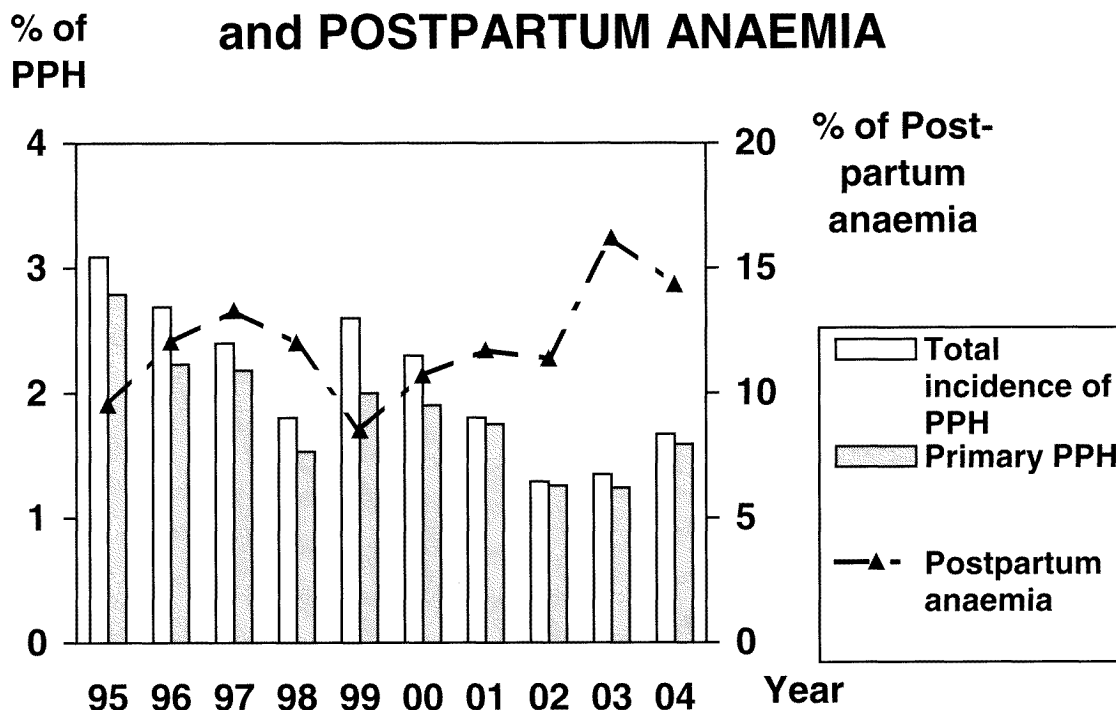
	Total	Cases	Incidence(%)
Primiparous	2036	307	15.08
Multiparous	1368	181	13.23
Total	3404	488	14.34

Mode of delivery#	Total	Cases	Incidence(%)
Spontaneous vaginal	2099	316	15.05
Vacuum extraction	226	36	15.93
Low forceps	111	25	22.52
Vaginal breech	2	0	0.00
Elective CS	336	24	7.14
Emergency CS & others	714	91	12.75

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

#No of babies

POSTPARTUM HAEMORRHAGE and POSTPARTUM ANAEMIA



PUERPERAL PYREXIA

Total number of cases	58
Incidence (%)	1.70
Primiparous	42
Multiparous	16

Causes	Cases
Reactionary	6
Breast problem	3
Urinary tract infection	2
Genital tract infection	22
Wound infection	5
Other causes	6
Unknown	24

Mode of delivery	Total*	Cases*	Incidence(%)
Spontaneous vaginal	2099	12	0.57
Vacuum extraction	226	2	0.88
Low forceps	111	2	1.80
Vaginal breech	2	0	0.00
Elective caesarean section	336	7	2.08
Emergency CS and others	714	41	5.74

*No of babies

OTHER COMPLICATIONS

	Cases	%
Third degree tear	5	0.15
Other genital tract trauma	3	0.09
Ruptured uterus without PPH	1	0.03
Hysterectomy	2	0.06

INDUCTION OF LABOUR

Total number of cases			933
Incidence (%)			27.41
Parity	Total	Cases	Incidence(%)
Primiparous	2036	706	34.68
Multiparous	1368	227	16.59
Outcome of babies		Cases	
Stillbirth - antepartum		8	
Stillbirth - intrapartum		0	
Stillbirth - undetermined		0	
Neonatal deaths		3	
Perinatal deaths		11	
Mode of delivery		Cases	%
Spontaneous vaginal		540	57.57
Vacuum extraction		81	8.64
Low forceps		43	4.58
Vaginal breech		0	0.00
Caesarean section		274	29.21
Total*		938	
Outcome of Induction#		Cases	%
Successful		711	76.21
Failure		222	23.79

*No of babies

#Failure of induction is defined as absence of progressive cervical dilatation resulting from uterine contractions.

Indications for induction*

Indications	Primiparae	Multiparae
Diabetes/impaired glucose tolerance	24	7
Maternal disease	3	2
Bad obstetric history	0	5
Past term	146	52
Hypertension ass. with pregnancy	31	19
Premature rupture of membranes	343	79
Antepartum haemorrhage	11	3
Multiple pregnancy	1	2
Suspected IUGR	20	12
Intrauterine death	5	3
Fetal anomaly	4	1
Suboptimal Cardiotocogram	54	21
Social reason	0	0
Others	82	34

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

Induction delivery interval (mean) 9.07 hours

Induction delivery interval in whole group

	Number	%
1-10 hours	572	60.98
11-20 hours	348	37.10
>20 hours	18	1.92

TYPES OF LABOUR

Outcome of fetus versus types of labour

Type	not in labour	spon. onset	augmented labour	induced labour	total
Total births	649	1739	161	938	3487
Stillbirth rate/1000	0 0.00	3 1.73	0 0.00	8 8.53	11 3.15
NN death rate/1000	3 4.62	5 2.88	0 0.00	3 3.20	11 3.15
PN death rate/1000	1 1.54	7 4.03	0 0.00	11 11.73	19 5.45

Mode of delivery versus types of labour

Mode of delivery	not in labour	spon. onset	augmented labour	induced labour	total
Total births	648	1740	161	938	3487
Spontaneous vaginal (%)	0 0.00	1491 85.73	68 42.24	540 57.57	2099 60.20
Vacuum extract (%)	0 0.00	106 6.09	39 24.22	81 8.64	226 6.48
Low forceps (%)	0 0.00	58 3.33	10 6.21	43 4.58	111 3.18
Vaginal breech (%)	0 0.00	2 0.11	0 0.00	0 0.00	2 0.06
CS & others (%)	648 100	83 4.77	44 27.33	274 29.21	1049 30.08

*Of the six vaginal breech deliveries, four were second twin and two were stillbirth.

OBSTETRIC ANALGESIA DURING LABOUR

Patients with Intrapartum Epidural	355	
Primiparous	293	
Multiparous	62	
Epidural Rate	10.43	
	Number	%
Number with induction of labour	202	56.90
	Number	%
Mode of delivery		
Normal spontaneous	124	34.44
Vacuum extraction	74	20.56
Forceps delivery	31	8.61
Vaginal breech delivery	0	0.00
Caesarean section	131	36.39
	First	Second
Duration of first and second stages (in minutes)		
Without epidural	174	19
With epidural	260	88

PREGNANCY FOLLOWING PREVIOUS CAESAREAN SECTION

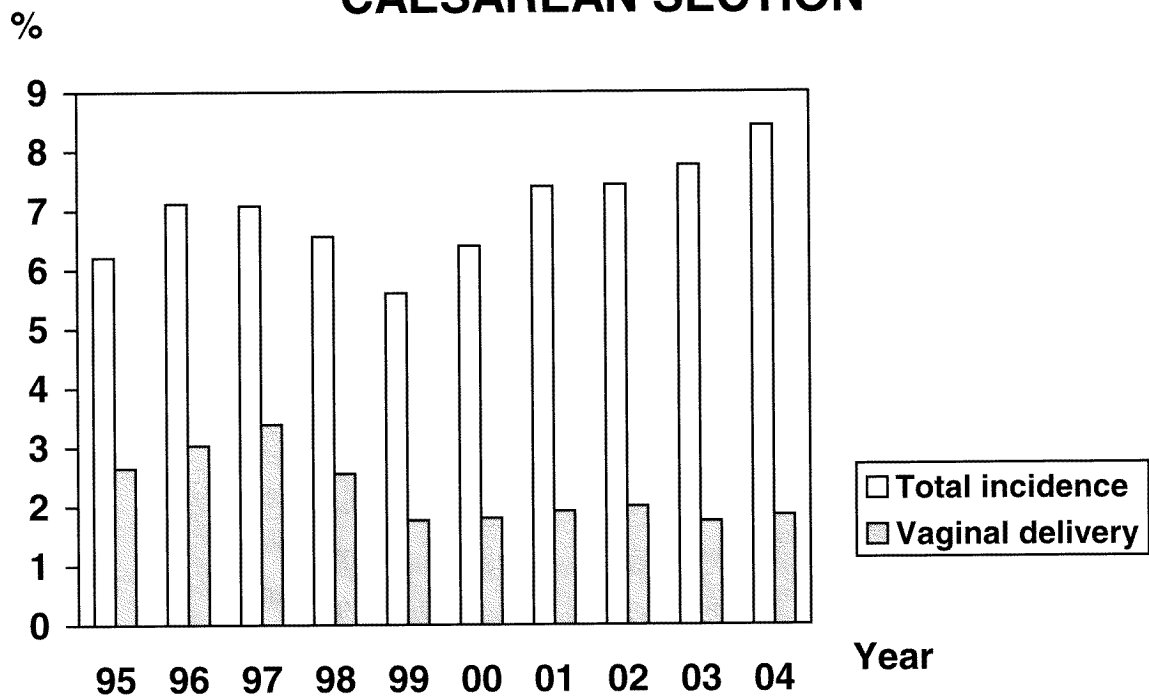
Total number of cases	287
Incidence (%)	8.43

Outcome of fetus	Cases*	Rate
Stillbirth	1	3.42
Neonatal death	1	3.42
Perinatal death	2	6.85

Mode of delivery	Cases*	%
Spontaneous vaginal delivery	55	19.16
Vacuum extraction	6	2.09
Low forceps	2	0.70
Vaginal breech delivery	0	0.00
Elective caesarean section	148	51.57
Emergency CS & others	82	28.57

*No of babies

PREGNANCY FOLLOWING PREVIOUS CAESAREAN SECTION

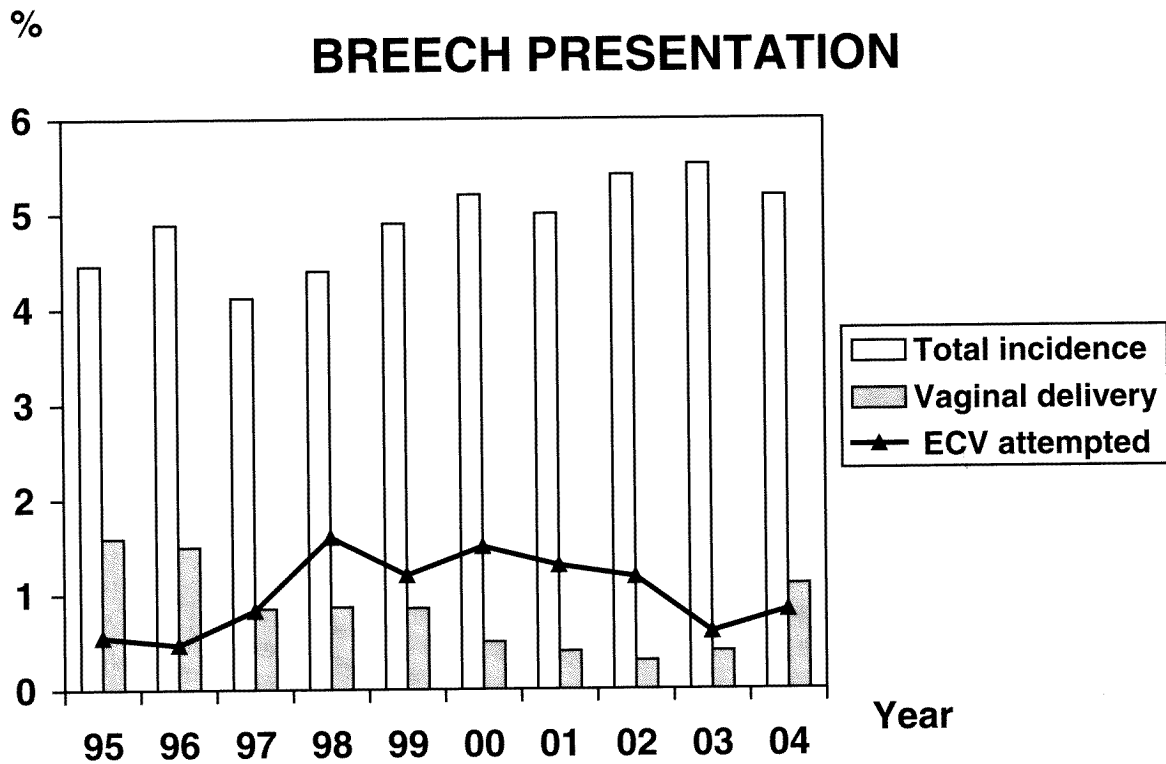


BREECH PRESENTATION

At delivery			
Total number of cases			181
Incidence (%)			5.19
Parity	Total	Cases	%
Primiparous	2101	130	6.19
Multiparous	1386	51	3.68
Outcome	Cases		Rate (per 1000)
Stillbirth-ante partum	0		0.00
Stillbirth-intra partum	0		0.00
Stillbirth-undetermined	0		0.00
Neonatal death	3		16.57
Perinatal death	2		11.05
Mode of delivery	Cases		%
Assisted breech delivery	2		1.10
Other vaginal breech delivery	0		0.00
Elective caesarean section	81		44.75
Emergency CS & others	98		54.14
Gestational age at delivery	Total	Cases	%
<37 weeks	261	42	16.09
37-40 weeks	2864	137	4.78
>40 weeks	362	2	0.55
Number of pregnancies	Total	Cases	%
Singleton	3324	143	4.30
Multiple pregnancies	163	38	23.31

External Cephalic Version (ECV)

Parity	Cases	Successful	Successful %
Primiparous	16	5	31.25
Multiparous	13	6	46.15
Total	29	11	37.93



MALPRESENTATION OTHER THAN BREECH PRESENTATION*

Total number of cases 22
 Incidence (%) 0.63

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	11
CS & others	0	1	10
Total	0	1	21

Outcome of fetus	Face/brow	Compound	Transverse
Stillbirth-antepartum	0	0	1
Stillbirth-intrapartum	0	0	0
SB-undetermined	0	0	0
Neonatal death	0	0	0
Perinatal death	0	0	1

*Excluding malposition of occiput.

PROLAPSE & PRESENTATION OF UMBILICAL CORD

Total number of cases			5
Incidence (%)			0.14
Outcome of fetus		Cases	%
Stillbirth - antepartum		0	0.00
Stillbirth - intrapartum		0	0.00
Stillbirth - undetermined		0	0.00
Neonatal death		1	20.00
Perinatal death		0	0.00
Mode of presentation	Total	Cases	%
Vertex	3270	2	40.00
Breech : extended leg(s)	84	1	20.00
flexed legs	87	1	20.00
footling	10	1	20.00
Face/brow	0	0	0.00
Compound	1	0	0.00
Transverse/oblique	21	0	0.00
Others	13	0	0.00
Mode of delivery		Cases	%
Spontaneous vaginal		0	0.00
Vacuum extraction		0	0.00
Low forceps		0	0.00
Assisted breech delivery		0	0.00
Other breech delivery		0	0.00
Caesarean section		5	100.00

MODE OF OPERATIVE DELIVERY

Total number of cases	1386
Incidence (%)	39.75

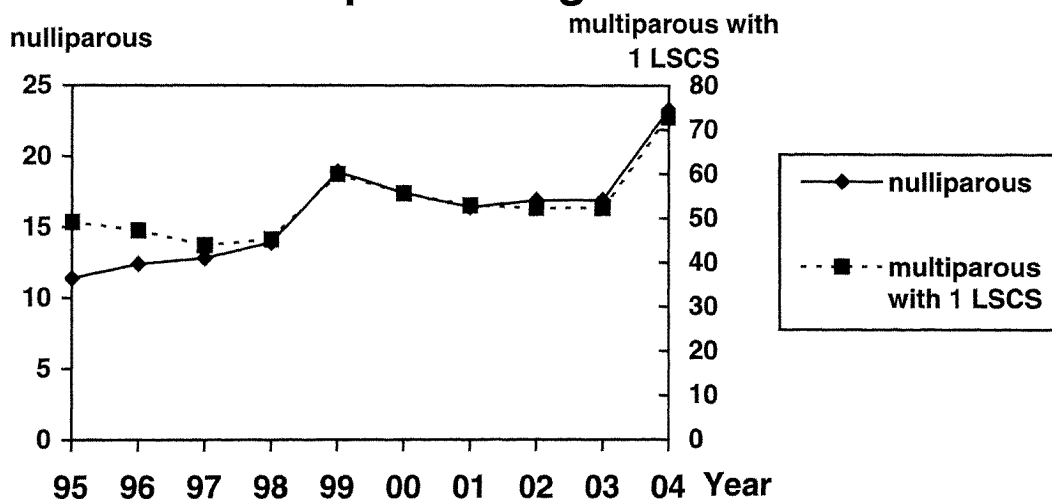
Parity	VE	Forceps	CS
Primiparous	195	94	671
Multiparous	31	17	378
Total	226	111	1049
Incidence (%)	6.48	3.18	30.08

Types of abdominal delivery	Number
Elective LSCS	335
Elective classical CS	1
Emergency LSCS	711
Emergency Classical CS	2
Caesarean hysterectomy	1
Others (laparotomy etc.)	0

LSCS in term, singleton, vertex presenting fetuses	Number	CS	%
Nulliparous parturients	1772	413	23.31
Multiparous parturients with 1 previous LSCS	199	145	72.86

Outcome of fetus	VE	LF	Elective CS	Emergency CS & others
Livebirths	226	110	336	713
Stillbirths	0	1	0	1
Neonatal death	0	0	0	4
Perinatal death	0	1	0	3

LSCS rate in term, singleton, vertex presenting fetuses



INDICATIONS FOR ASSISTED DELIVERY*

Indication	VE	LF
Maternal disease	0	0
Maternal distress	4	3
Previous caesarean section	0	0
Obstetric complications	0	0
Fetal distress	75	48
Cord prolapse	0	0
Prolonged second stage	148	58
Others	8	4

INDICATIONS FOR CAESAREAN SECTIONS

Indication	CS
GDM/DM	7
Maternal disease	8
Previous uterine scar	210
Bad obstetric history	7
Antepartum haemorrhage	84
Hypertension	41
Multiple pregnancy	140
Fetal distress	96
Cord prolapse	5
Intrauterine growth retardation	28
Malpresentation/lie	148
No progress	50
Cephalopelvic disproportion	52
Contracted/unfavourable pelvis	1
Failed instrumental delivery	3
Tumour/anomaly	2
Failed induction	149
Elderly/Infertility	1
Suspected macrosomia	4
Social reason	1
Others	203

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

APGAR SCORE AT BIRTH VERSUS MODE OF DELIVERY*

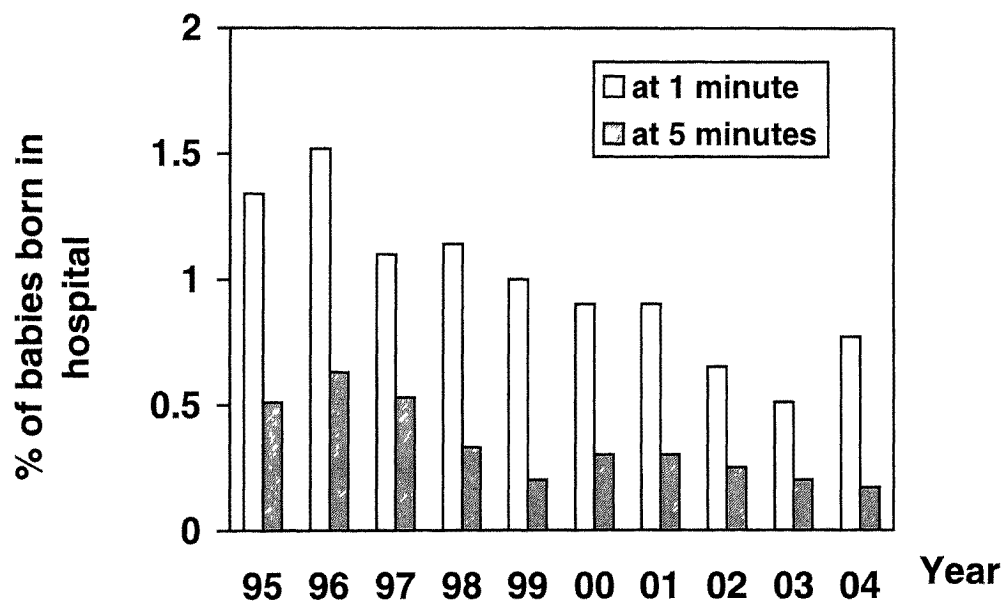
Apgar score at 1 minute

Method of delivery	AS <4	AS 4-6	AS >6	Subtotal
Spontaneous vaginal	6	63	2027	2096
Vacuum extraction	5	23	198	226
Low forceps	1	9	101	111
Vaginal breech	1	1	0	2
Elective CS	0	21	315	336
Emergency CS & others	14	97	603	714
Total	27	214	3244	3485
%	0.77	6.14	93.08	

Apgar score at 5 minute

Method of delivery	AS <4	AS 4-6	AS >6	Subtotal
Spontaneous vaginal	3	1	2092	2096
Vacuum extraction	1	4	221	226
Low forceps	1	1	109	111
Vaginal breech	0	0	2	2
Elective CS	0	0	336	336
Emergency CS & others	1	10	703	714
Total	6	16	3463	3485
%	0.17	0.46	99.37	

NEONATAL ASPHYXIA* (APGAR SCORES LESS THAN 4)



*Excluding babies born before arrival

PERINATAL DATA

Total livebirths & stillbirths	3487
Primiparous	2101
Multiparous	1386
Born before arrival	3
Total livebirths	3476
Primiparous	2094
Multiparous	1382

BASIC INFORMATION

Total birth \geq 500 g	3486
Average birthweight(kg)	3087 (sd=567)
Stillbirth \geq 500 g	11
Early (1st week) neonatal deaths	7
Late (2nd-4th wk) neonatal deaths	3
Total birth \geq 1 kg	3449
Stillbirth \geq 1 kg	7
Early (1st week) neonatal deaths	1
Late (2nd-4th wk) neonatal deaths	0
Stillbirths with lethal malformations	1
Neonatal deaths with lethal malformations	1
Perinatal deaths with lethal malformations	2
Lethal malformation rate per 1000 births	0.57

EXCLUDING LETHAL MALFORMATION (including < 1 kg)

Stillbirth rate per 1000 total births(n=10)	2.87
Neonatal mortality rate /1000 livebirths(n=10)	2.88
Perinatal mortality rate /1000 total births(n=17)	4.88

EXCLUDING BIRTH < 1 kg (including malformation)

Stillbirth rate per 1000 total births(n=7)	2.01
Neonatal mortality rate /1000 livebirths(n=1)	0.29
Perinatal mortality rate /1000 total births(n=8)	2.29

EXCLUDING BIRTH < 1 kg and babies with lethal malformation

Stillbirth rate per 1000 total births(n=6)	1.72
Neonatal mortality rate /1000 livebirths(n=0)	0.00
Perinatal mortality rate /1000 total births(n=6)	1.72

SUMMARY OF FETAL LOSS

	Total	Stillbirths	
		No of	Rate
Total	3487	11	3.15
Booked	2970	9	3.03
Non-booked	517	2	3.87
Primiparous	2101	7	3.33
Multiparous	1386	4	2.89

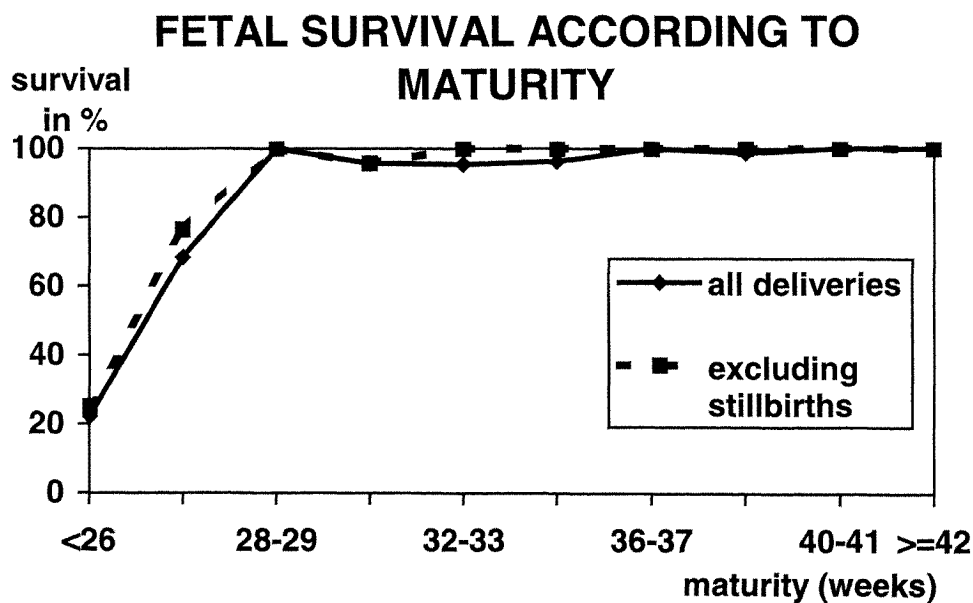
	Livebirths	Neonatal deaths	
		No of	Rate
Total	3476	11	3.16
Booked	2961	10	3.38
Non-booked	515	1	1.94
Primiparous	2094	9	4.30
Multiparous	1382	2	1.45

	Total	Perinatal deaths	
		No of	Rate
Total	3487	19	5.45
Booked	2970	16	5.39
Non-booked	517	3	5.80
Primiparous	2101	14	6.66
Multiparous	1386	5	3.61

FETAL LOSS VERSUS GESTATIONAL AGE*

Gestational age (weeks)	Total births	Live Births	Stillbirth	Neonatal deaths	Perinatal deaths
<26	9	8	1	6	6
rate /1000			111.11	750.00	666.67
26-27	19	17	2	4	4
rate /1000			105.26	235.29	210.53
28-29	18	18	0	0	0
rate /1000			0.00	0.00	0.00
30-31	23	23	0	1	1
rate /1000			0.00	43.48	43.48
32-33	43	41	2	0	2
rate /1000			46.51	0.00	46.51
34-35	81	78	3	0	3
rate /1000			37.04	0.00	37.04
36-37	203	203	0	0	0
rate /1000			0.00	0.00	0.00
38-39	1145	1142	3	0	3
rate /1000			2.62	0.00	2.62
40-41	1915	1915	0	0	0
rate /1000			0.00	0.00	0.00
>=42	29	29	0	0	0
rate /1000			0.00	0.00	0.00
Total	3485	3474	11	11	19

* For this analysis, the gestational age was calculated to the nearest week basing on either a reliable L.M.P. or when this was not available, an early ultrasound dating scan or the postnatal assessment of the newborn with Dubowitz score. Babies with inadequate assessment are excluded.

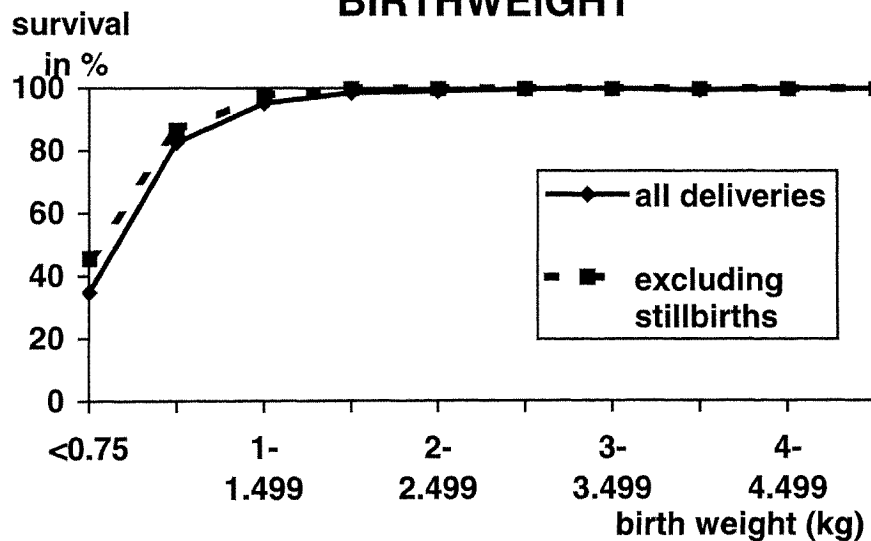


NUMBER OF FETAL LOSS VERSUS BIRTH WEIGHT*

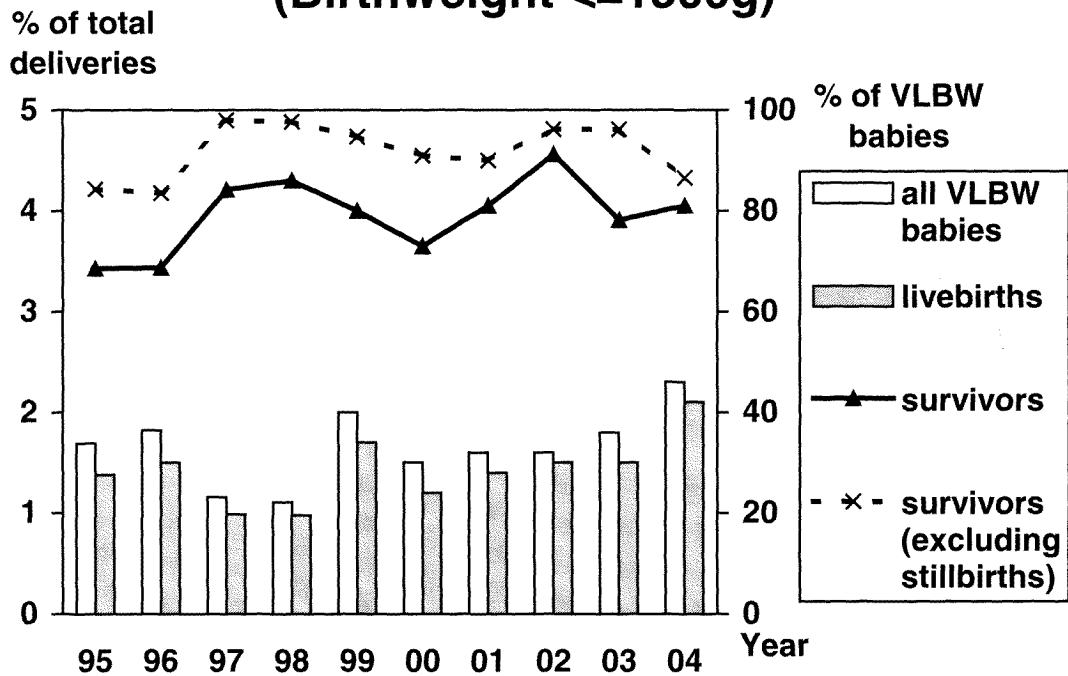
Birth weight in grammes	Total births	Live Births	Still births	Neonatal deaths	Perinatal deaths
500-749	14	11	3	6	8
rate /1000			214.29	545.45	571.43
750-999	23	22	1	3	2
rate /1000			43.48	136.36	86.96
1000-1499	42	41	1	1	2
rate /1000			23.81	24.39	47.62
1500-1999	70	69	1	0	1
rate /1000			14.29	0.00	14.29
2000-2499	221	219	2	0	2
rate /1000			9.05	0.00	9.05
2500-2999	935	933	2	0	2
rate /1000			2.14	0.00	2.14
3000-3499	1434	1434	0	0	0
Rate /1000			0.00	0.00	0.00
3500-3999	646	645	1	0	1
rate /1000			1.55	0.00	1.55
4000-4499	92	92	0	0	0
rate /1000			0.00	0.00	0.00
>=4500	9	9	0	0	0
rate /1000			0.00	0.00	0.00
Total	3486	3475	11	10	18

*Babies with unknown birth weight 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	52	201	8	261
Term	374	2536	287	3197
Postterm	4	20	5	29
Total	430	2757	300	3487
(%)	12.33	79.07	8.60	

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	0
6. Maternal disorder	0
7. Unclassifiable	3
8. Unexplained	6
9. Miscellaneous	1
Total	11

OBSTETRICAL CAUSES OF NEONATAL DEATHS

1. Congenital anomaly	1
2. Isoimmunization	0
3. Pregnancy induced hypertension	0
4. Antepartum haemorrhage	0
5. Mechanical	0
6. Maternal disorder	0
7. Unclassifiable	3
8. Unexplained	2
9. Miscellaneous	6
Total	12

PAEDIATRIC CLASSIFICATION OF CAUSE OF NEONATAL DEATHS

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

BIRTH TRAUMA

Total cases	39
Incidence (%)	1.1

TYPES OF BIRTH TRAUMA*

	Number	%
Cephalhaematoma	4	10.3
Soft tissue trauma	1	2.6
Subaponeurotic haemorrhage	0	0.0
Intracranial haemorrhage	0	0.0
Fractures	31	79.5
Nerve injury	3	7.7
Visceral injury	0	0.0

Fetal outcome	
Stillbirths	0
Neonatal deaths	0
Perinatal deaths	0

Mode of delivery	Total	Cases	Incidence /100 births
Spontaneous	2099	28	1.3
Vacuum extraction	226	7	3.1
Low forceps	111	6	5.4
Vaginal breech	2	0	0.0
Elective caesarean section	336	0	0.0
Emergency CS & others	713	1	0.1

*Each baby may have more than 1 type of trauma

CONGENITAL MALFORMATION

Total number	158
Incidence (%)	4.5

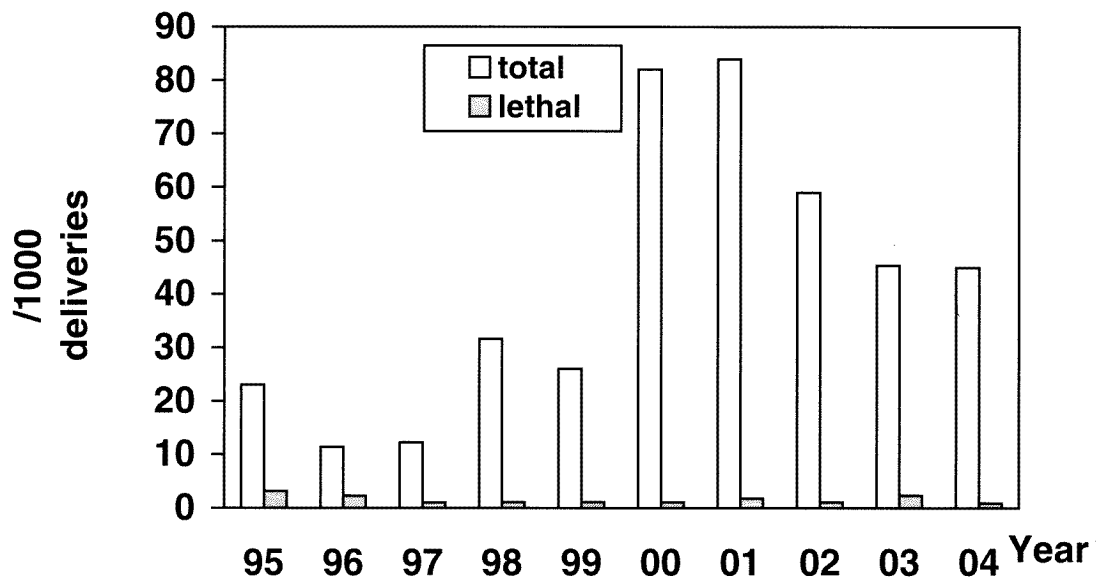
TYPES OF MALFORMATIONS

	Number	%
Chromosomal abnormalities	2	1.3
Central nervous system	3	1.9
Face,eye,ear,oral cavity	15	9.5
Gastrointestinal tract	9	5.7
Cardiovascular system	36	22.8
Respiratory system	11	7.0
Urogenital system	39	24.7
Skeletal system	25	15.8
Multiple abnormalities	2	1.3
Others	16	10.1

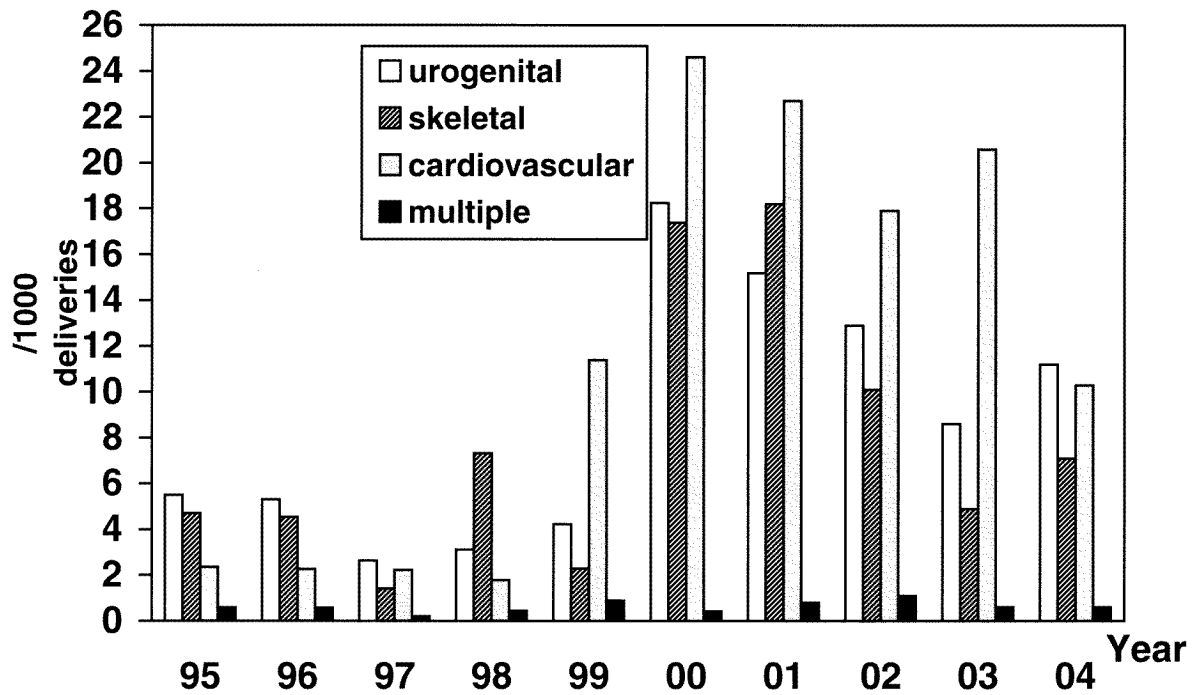
Fetal mortality	
Stillbirth	2
Neonatal deaths	1
Perinatal deaths	3

Incidence (%)	
among livebirths	4.5
among stillbirths	18.2
among neonatal deaths	9.1

CONGENITAL MALFORMATIONS



TYPES OF CONGENITAL MALFORMATIONS



OTHER NEONATAL COMPLICATIONS

	Cases	%
Admission To Intensive Care Unit	105	3.0
Respiratory Distress Syndrome	26	0.8
Intraventricular Haemorrhage	24	0.7
Necrotising Enterocolitis	5	0.1
Major Infection		
Congenital infection	4	0.1
Pneumonia	78	2.2
Septicaemia	6	0.2
Meningitis	1	<0.1
Other major infection	0	0.0

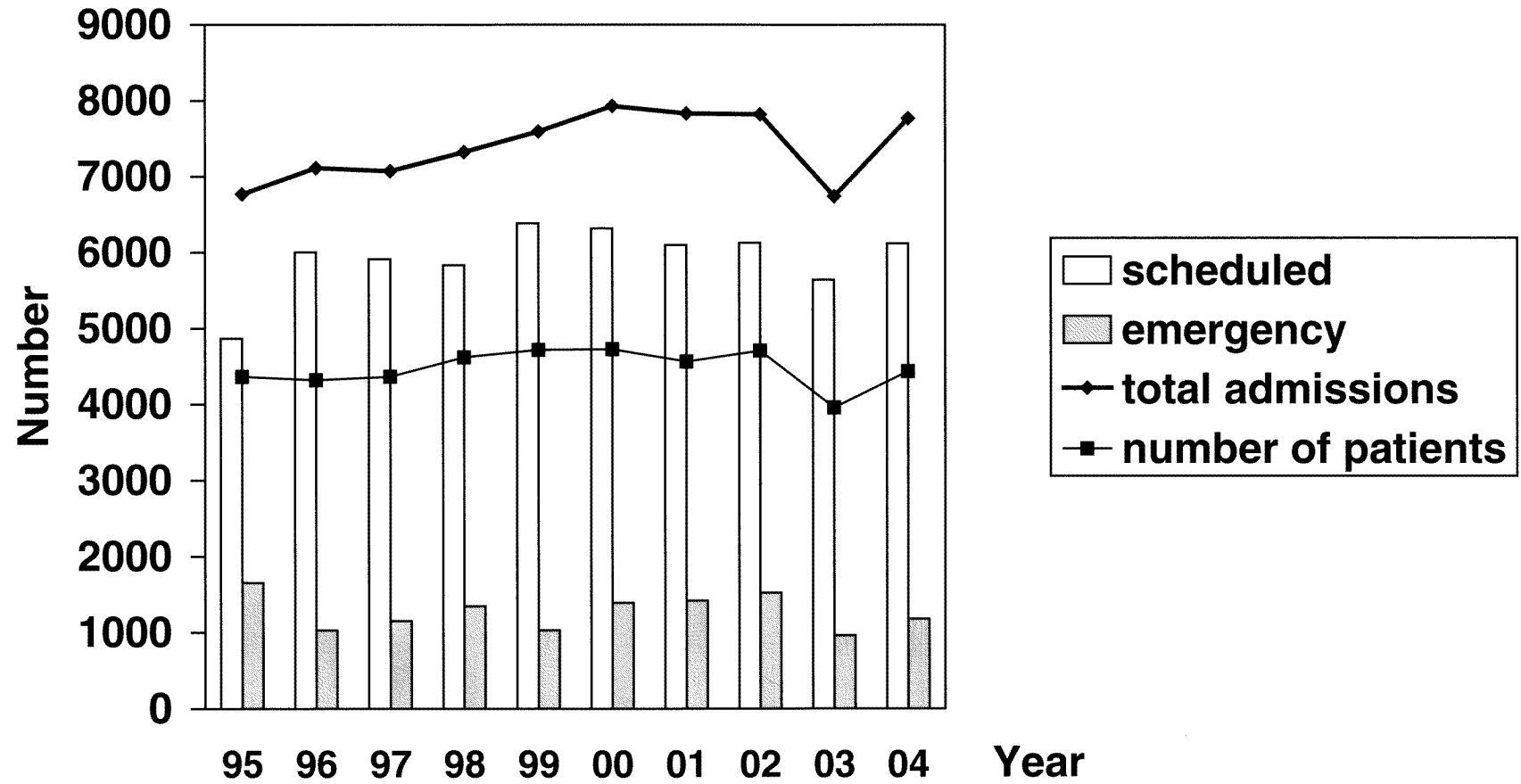
GYNAECOLOGY

COMPARATIVE STATISTICS (1995 - 2004)

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Total admissions	6769	7115	7071	7325	7597	7931	7832	7820	6741	7768
Emergency	1657	1033	1157	1347	1031	1391	1422	1525	962	1182
Scheduled	4867	6002	5914	5835	6388	6319	6096	6127	5644	6121
Total number of patients admitted	4367	4322	4367	4623	4719	4726	4567	4709	3960	4439
Diseases of uterine cervix (%)	7.9	6.2	9.4	7.8	8.8	10.4	9.3	9.4	8.6	8.3
Diseases of uterine body (%)	10.4	10.4	9.5	9.2	11.3	9.9	12.2	13.1	13.4	15.5
Diseases of ovary(%)	7.81	7.7	13.1	12.2	14.1	15.5	17.8	16.0	19.2	20.4
Diseases of menstruation (%)	10.74	9.6	7.1	7.6	6.8	6.7	8.9	6.9	5.8	6.3
Disorders of pregnancy & reproduction (%)	56.72	59.5	53.1	53.6	52.3	51.3	44.8	47.9	46.5	44.7
Major abdominal surgery for benign conditions	489	423	420	451	247*	234*	251*	256*	247*	271*
Major abdominal surgery for malignant conditions	115	132	102	117	140	159	133	159	168	215
Major vaginal operations	57	68	112	83	66*	81*	91*	100*	88*	91*
Major vulval operations	2	6	6	15	18	9	11	8	11	16
Endoscopic procedures	504	825	833	897	1058	1027	1077	1056	792	1044
Assisted reproduction procedures	875	1049	1174	1252	1284	1253	1106	1137	1154	1459
Minor abdominal operations	52	16	21	6	8	4	3	5	5	1
Other minor operations	1738	1686	1523	1501	1832	1641	1381	1294	1081	1247
Death	17	9	11	17	17	14	14	20	12	8

* excluding laporoscopic surgery

ADMISSIONS TO GYNAECOLOGICAL WARDS



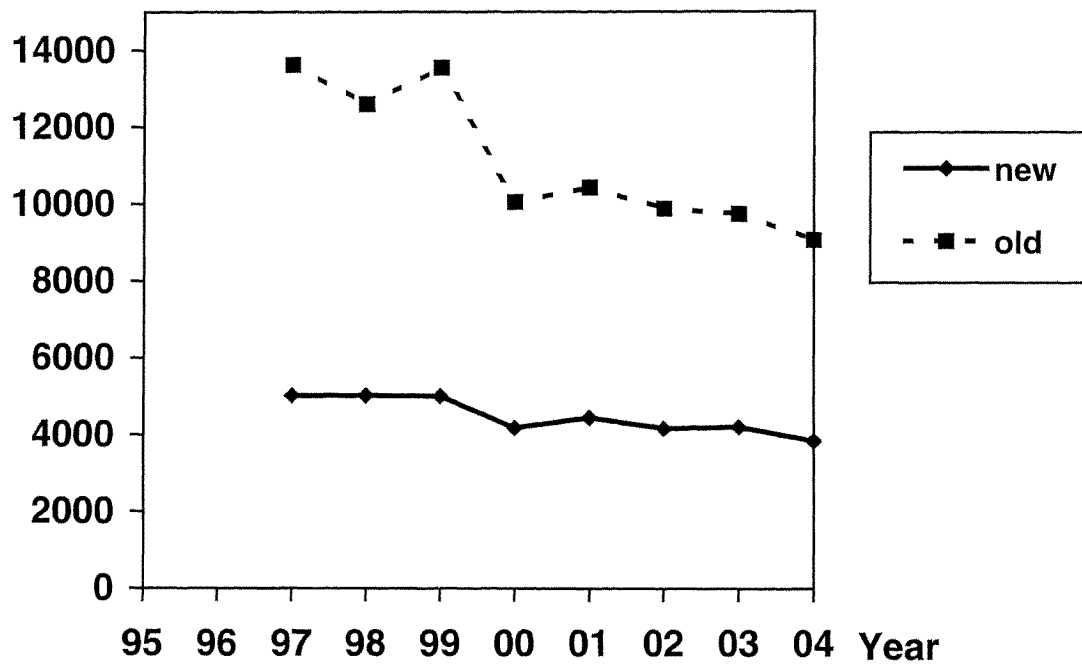
OUTPATIENTS STATISTICS

	New	Follow-up
GENERAL GYNAECOLOGY CLINICS		
Queen Mary S5 Specialist Clinic	3840	9053
Early Pregnancy Assessment Clinic	541	457
Preadmission Clinic	984	
Tsan Yuk Specialist Clinic	741	1157
	New	Follow-up
SUBSPECIALTY CLINICS		
Colposcopy Clinics	828	3439
Procedures		
large loop excision of transformation zone	212	
cryotherapy	7	
cone	17	
Male Subfertility Clinic	76	41
Menopause Clinics	37	311
Diagnosis		
Surgical	9	
Natural	26	
Management of new cases		
Put on treatment for		
Menopausal symptoms	21	
Long term prevention and treatment of osteoporosis	5	
Counselling	11	
Others	0	
Type of treatment		
Cyclical oestrogen and progestogen	3	
Continuous combined oestrogen and progestogen	5	
Oestrogen only	5	
Raloxifene	0	
Fosamax	1	
Others	1	
Number of bone mineral densitometry	483	

	New	Follow-up
Menstrual Disorder Clinics	125	1298
Oncology Clinics Attendances		
Gynaecology Oncology Follow-up		3579
Mole Clinic		1041
Chemotherapy Clinic		1594
Psychosomatic Clinic	0	6
Subfertility Clinics	423	1467
Urogynaecology Clinic	171	760
Cystometry		103
Surgery		
TVT		13
Vaginal hysterectomy and/or pelvic floor repair		10
Colposuspension		0
Sacrocolpopexy		1
Paravaginal repair		0
Referral to physiotherapist	90	236

Attendance at General Gynaecology Clinics

Number



ADMISSIONS AND DISCHARGES STATISTICS

Total number of admissions	7499
Total number of admitted patients	4439

Status at admission

	Number	%
Emergency	1182	15.2
Scheduled	6121	78.8
Unplanned readmission	101	1.3
Transfer in	95	1.2

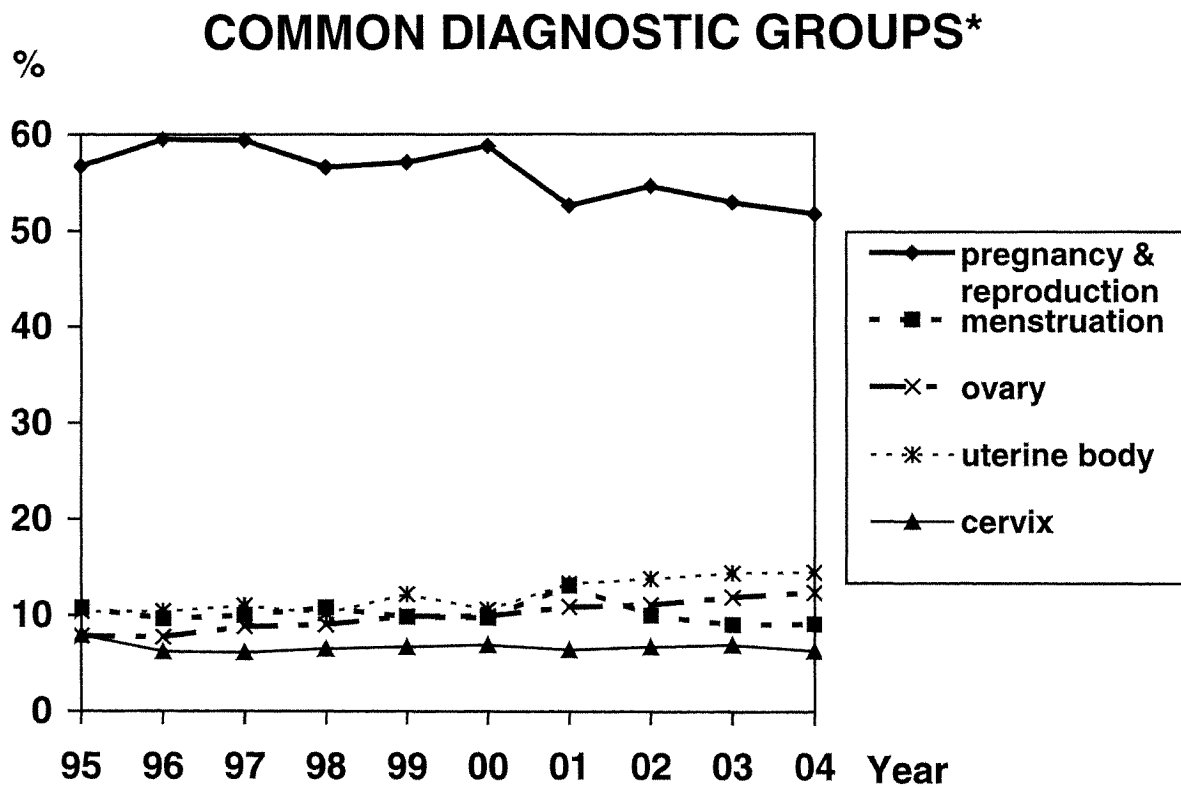
Status at discharge

	Number	%
Discharge home	7752	99.8
Transfer convalescence	0	0.0
Death	8	0.1
Transfer	8	0.1

STATISTICAL SUMMARY

Diagnosis

	admissions		patients	
	number	%	number	%
Disease of vulva, perineum and urethra	155	2.0	124	2.8
Disease of vagina	75	1.0	41	0.9
Disease of uterine cervix	647	8.3	279	6.3
Disease of uterine body	1202	15.5	643	14.5
Disease of fallopian tube	115	1.5	70	1.6
Disease of ovary	1584	20.4	552	12.4
Disease of broad ligament and pelvic peritoneum	155	2.0	76	1.7
Disease of genital displacement/ urinary incontinence	167	2.1	83	1.9
Disease of menstruation	490	6.3	402	9.1
Disease of pregnancy and reproduction	3470	44.7	2293	51.7
Complications in pregnancy	44	0.6	37	0.8
Miscellaneous gynaecological condition	163	2.1	95	2.1
Miscellaneous condition	221	2.8	128	2.9



*percentage of patients

Treatment

	Number	%
Major abdominal surgery for benign conditions*	271	3.1
Major abdominal surgery for malignant conditions	215	2.5
Major vaginal operation*	91	1.0
Major vulval operation	16	0.2
Endoscopic procedures	1044	11.9
Colposcopic related procedures	62	0.7
Assisted reproduction procedures	1459	16.7
Minor abdominal operations	1	0.0
Other minor operations	1247	14.2
Radiotherapy	108	1.2
Other forms of treatment	4247	48.5

Complications

	Number	%
Bowel injury	3	<0.1
Urinary tract injury	3	<0.1
Perforation of uterus	4	0.1
Deep vein thrombosis	2	<0.1
Cardiopulmonary arrest	3	<0.1

* excluding laparoscopic surgery

DIAGNOSIS

Diseases of Vulva, Perineum and Urethra

	Admissions	Patients
Total	155	124
Congenital anomaly	2	2
Trauma	6	6
Infection	53	49
Benign neoplasm	5	5
Malignant neoplasm	34	15
Retention cyst	17	16
Vulval dystrophy	18	17
Urethral lesions	3	3
Miscellaneous	17	16

Diseases of Vagina

	Admissions	Patients
Total	74	41
Congenital anomaly	1	1
Trauma	3	3
Infection	9	7
Benign neoplasm	5	5
Malignant neoplasm	37	13
Retention cyst	4	4
Fistula	3	2
Vaginal intraepithelial neoplasia	11	9
Atrophic vaginitis	1	1
Miscellaneous	1	1

Diseases of Uterine Cervix

	Admissions	Patients
Total	647	279
Congenital anomaly	4	4
Trauma	0	0
Infection	5	3
Benign neoplasm	78	53
Carcinoma of cervix	461	156
Other malignancy	11	2
Cervical intraepithelial neoplasia	86	65
Miscellaneous	2	2

Diseases of Uterine Body

	Admissions	Patients
Total	1202	643
Congenital anomaly	11	11
Trauma	3	3
Infection	16	12
Fibromyoma	440	336
Carcinoma of corpus	430	120
Other malignancy	29	7
Myohyperplasia	0	0
Endometrial polyp	158	122
Adenomyosis	63	43
Endometrial hyperplasia	44	30
Atrophic endometritis	3	3
Miscellaneous	5	5

Diseases of Fallopian Tubes

	Admissions	Patients
Total	115	70
Acute pelvic inflammatory disease	62	49
Chronic pelvic inflammatory disease	21	10
Tuberculous salpingitis	0	0
Benign neoplasm	5	5
Malignant neoplasm	23	4
Miscellaneous	4	4

Diseases of Ovary

	Admissions	Patients
Total	1584	552
Retention/functional cyst	11	11
Endometriotic cyst	205	154
Benign tumour/cyst	200	156
Primary malignant epithelial tumour	1063	200
Primary malignant non-epithelial tumour	75	23
Secondary malignant tumour	3	3
Borderline malignant tumour	13	6
Miscellaneous	14	11

Diseases of Broad Ligaments and Pelvic Peritoneum

	Admissions	Patients
Total	155	76
Pelvic endometriosis	75	60
Parovarian cyst	11	11
Miscellaneous	9	8

Genital Displacements / Urinary Problems

	Admissions	Patients
Total	167	83
Uterine prolapse	72	58
Cystocele/rectocele/enterocele	52	39
Stress incontinence	15	15
Detrusor instability	1	1
Vault prolapse	1	1
Miscellaneous	1	1

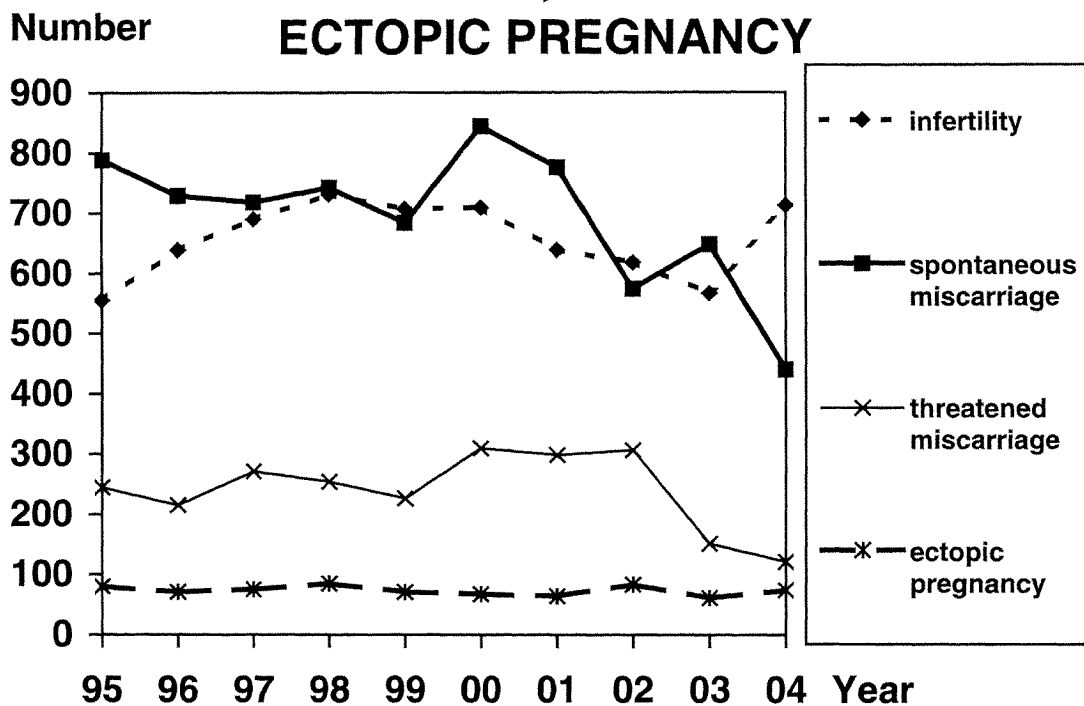
Disorders of Menstruation

	Admissions	Patients
Total	490	402
Primary amenorrhoea	1	1
Secondary amenorrhoea	5	5
Dysfunctional uterine bleeding	272	221
Postmenopausal bleeding	104	87
Dysmenorrhoea	25	21
Miscellaneous	2	2

Disorders of Pregnancy and Reproduction

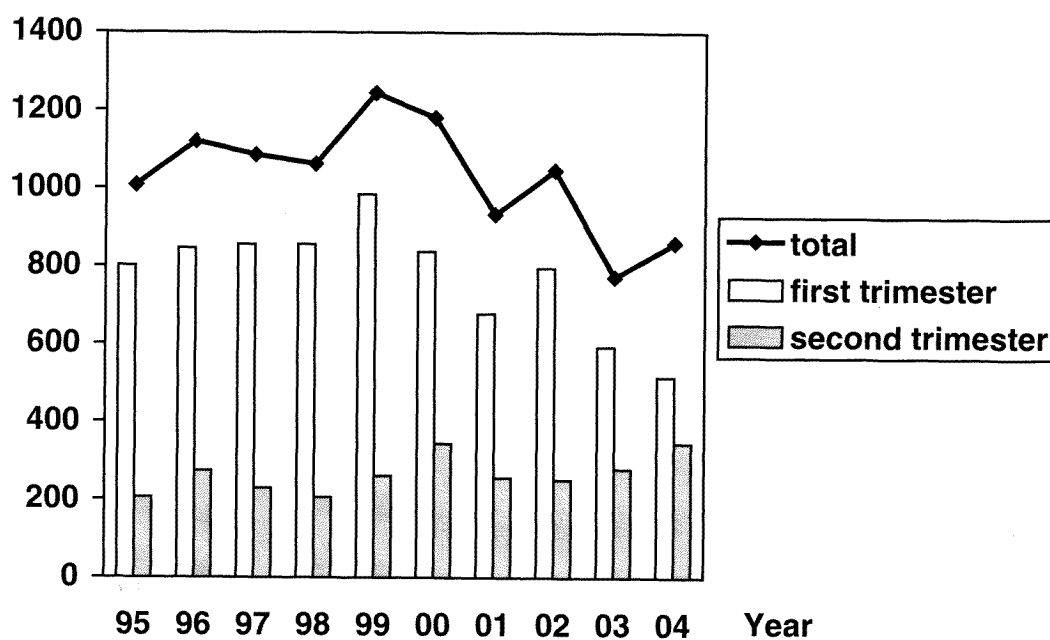
	Admissions	Patients
Total	3470	2293
Infertility	1594	713
Hyperemesis gravidarum	45	37
Threatened miscarriage	144	121
Spontaneous/silent miscarriage	507	440
Complete mole	22	9
Partial mole	9	5
Residual trophoblastic disease	45	10
Metastatic Malignant trophoblastic disease	0	0
Secondary postpartum haemorrhage	5	5
Other puerperal problems	5	5
Ectopic pregnancy	81	74
First trimester termination of pregnancy	564	515
Second trimester termination of pregnancy	405	345
Tubal occlusion	10	9
Miscellaneous	29	21

NUMBER OF PATIENTS ADMITTED FOR INFERTILITY, MISCARRIAGE & ECTOPIC PREGNANCY



TERMINATION OF PREGNANCY*

Number



*number of patients

Complications in Pregnancy

	Admissions	Patients
Total	44	37
Benign tumour of genital tract	7	7
Malignant tumour of genital tract	0	0
Medical diseases	4	4
Surgical diseases	2	2
Non-specific abdominal pain	31	27

Miscellaneous Gynaecological Conditions

	Admissions	Patients
Total	163	95
Retained IUCD	12	12
Abdominal pain of unknown cause	55	34
Complication of treatment in the same unit	60	22
Complication of treatment in other unit	26	26
Miscellaneous	9	6

Miscellaneous Conditions

	Admissions	Patients
Total	221	128
Breast disease	3	3
Urinary tract disease	35	18
Gastrointestinal tract disease	27	16
Cardiovascular disease	60	38
Respiratory tract disease	13	7
Central nervous system disease	15	10
Endocrine disease	22	17
Blood disease	8	5
Dermatological/musculoskeletal disease	12	9
Miscellaneous	26	20

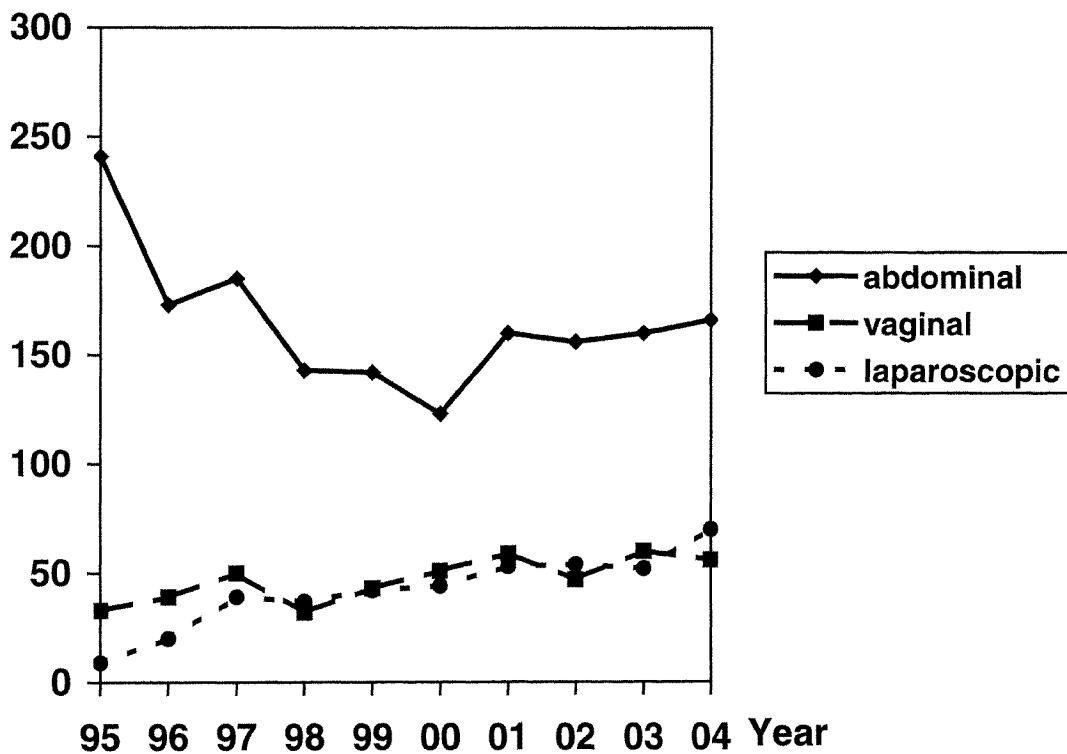
TREATMENT

Major Abdominal Surgery For Benign Conditions*

Total	271
Hysterectomy +/- salpingo-oophorectomy	166
Subtotal hysterectomy +/- salpingo-oophorectomy	0
Repair of urinary fistula	1
Myomectomy	40
Ovarian cystectomy	22
Salpingo-oophorectomy/Oophorectomy	15
Salpingectomy	12
Salpingotomy	0
Stress incontinence surgery	1
Adhesiolysis/tuboplasty	3
Drainage of pelvic abscess	0
Miscellaneous	10

HYSTERECTOMY FOR BENIGN CONDITIONS

Number



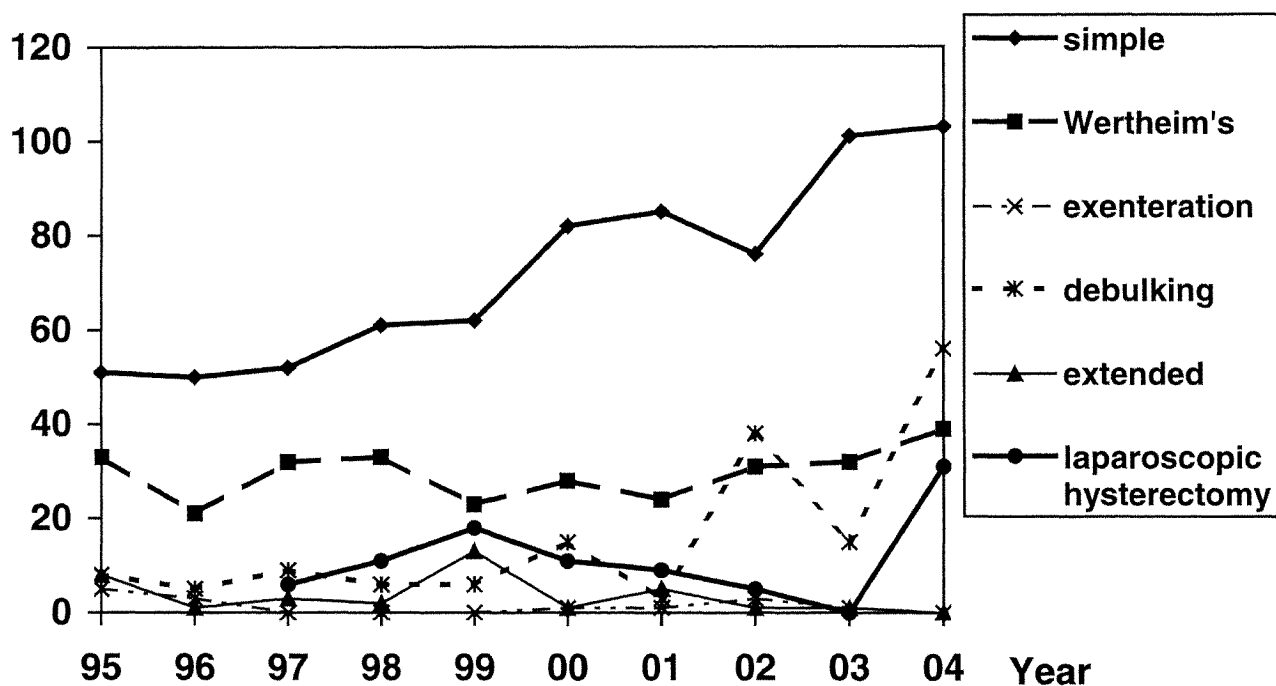
*excluding laporoscopic surgery

Major Abdominal Surgery For Malignant Conditions

Total	215
Hysterectomy +/- salpingo-oophorectomy	103
Subtotal hysterectomy +/- salpingo-oophorectomy	0
Wertheim's hysterectomy	39
Pelvic exenteration	0
Debulking	56
Extended hysterectomy	0
Oophorectomy/salpingo-oophorectomy	17

HYSTERECTOMY FOR MALIGNANT CONDITIONS

Number



Major Vaginal Operations

Total	91
Surgery for urinary incontinence	13
Vaginal hysterectomy	24
Vaginal hysterectomy + pelvic floor repair	32
Pelvic floor repair	6
Repair of urinary fistula	0
Miscellaneous	12

Major Vulval Operations

Total	16
Radical vulvectomy	6
Simple vulvectomy	4
Wide local excision	1
Miscellaneous	6

Endoscopic Procedures

Total	1044
Diagnostic laparoscopy	124
Laparoscopic tubal occlusion	12
LAVH/LH	70
Laparoscopic myomectomy	5
Laparoscopic ovarian cystectomy	172
Laparoscopic oophorectomy/salpingo-oophorectomy	85
Laparoscopic ovarian drilling	2
Laparoscopic salpingectomy	73
Laparoscopic salpingotomy	17
Laparoscopic adhesiolysis	52
Laparoscopic ablation/resection of endometriosis	9
Laparoscopic drainage of pelvic abscess	0
Laparoscopic lymphadenectomy	5
Other laparoscopic operations	9
Diagnostic hysteroscopy	312
Hysteroscopic polypectomy	49
Hysteroscopic myomectomy	22
Endometrial ablation	0
Other hysteroscopic operations	12
Cystoscopy	4
Miscellaneous	6

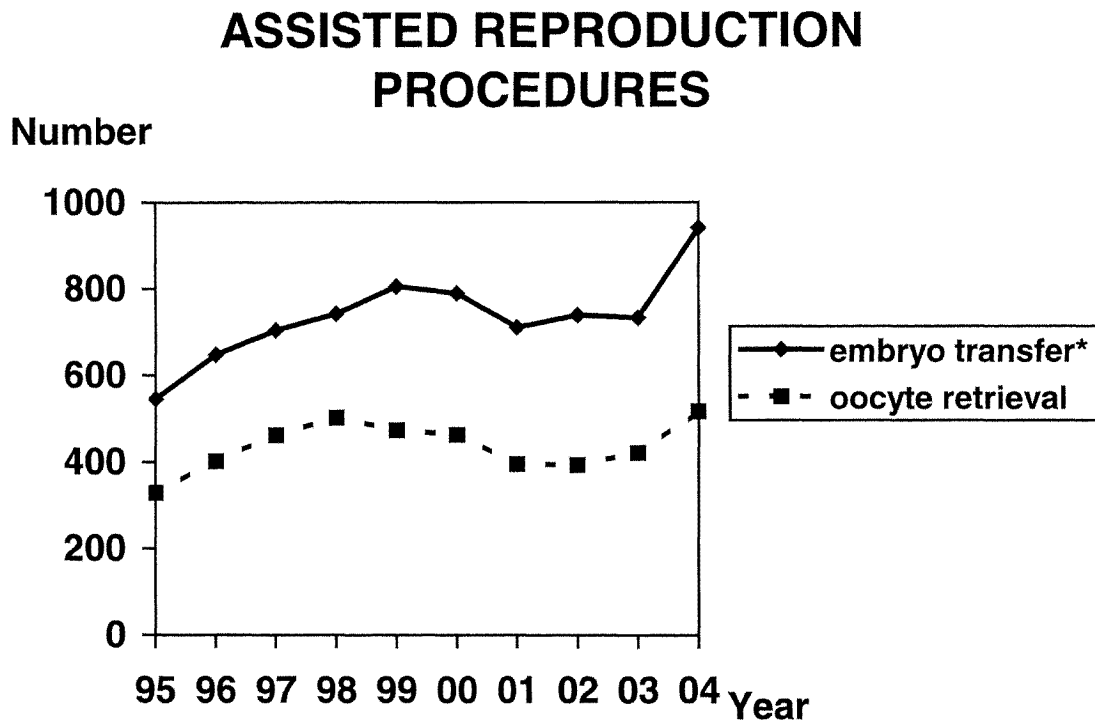
Colposcopy Related Procedures*

Total	62
Cervical Cautery	1
Laser Vaporization (for genital warts or vaginal intraepithelial neoplasia)	5
Laser Cone	0
Loop Excision	34
Cone Biopsy	22
Miscellaneous	0

*most of the colposcopic procedures were performed as out patient

Assisted Reproduction Procedures

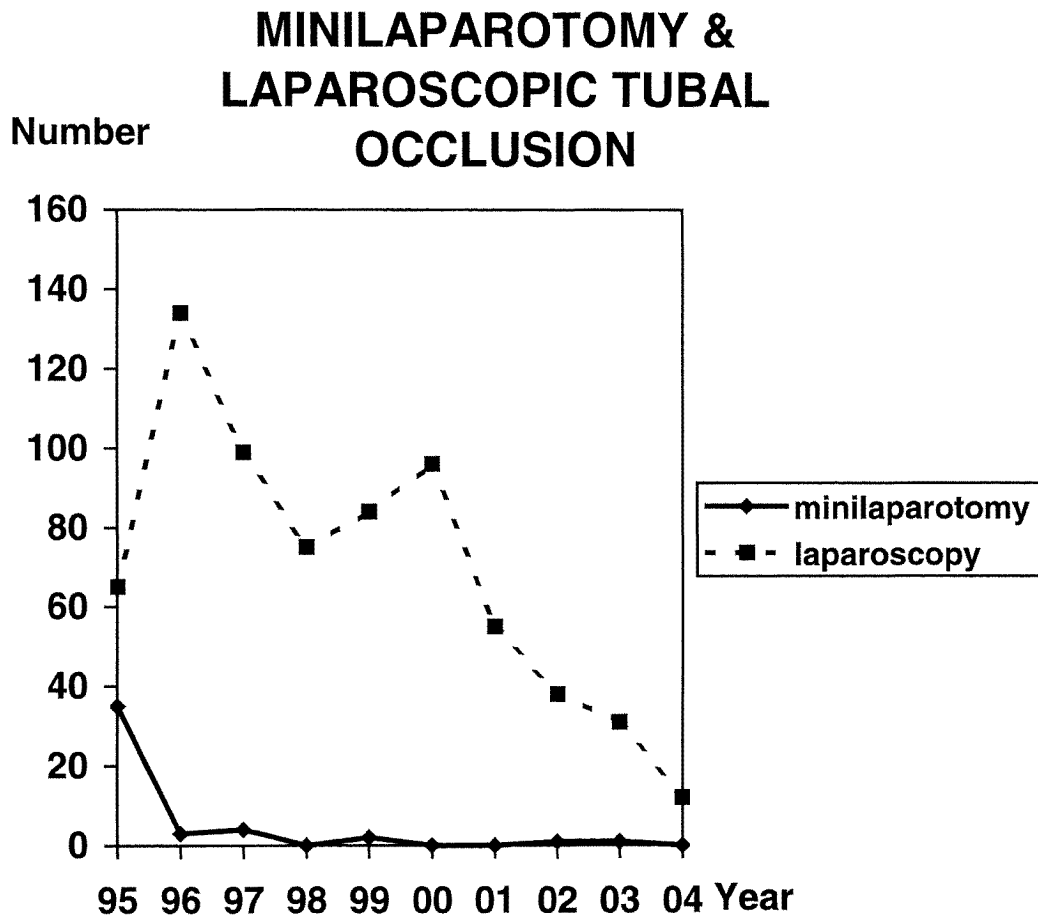
Total	1459
Oocyte retrieval (ultrasound guided)	517
Oocyte retrieval (laparoscopic)	0
Embryo transfer	941
Miscellaneous	1



* including fresh and frozen embryo transfer cycles

Minor Abdominal Operations

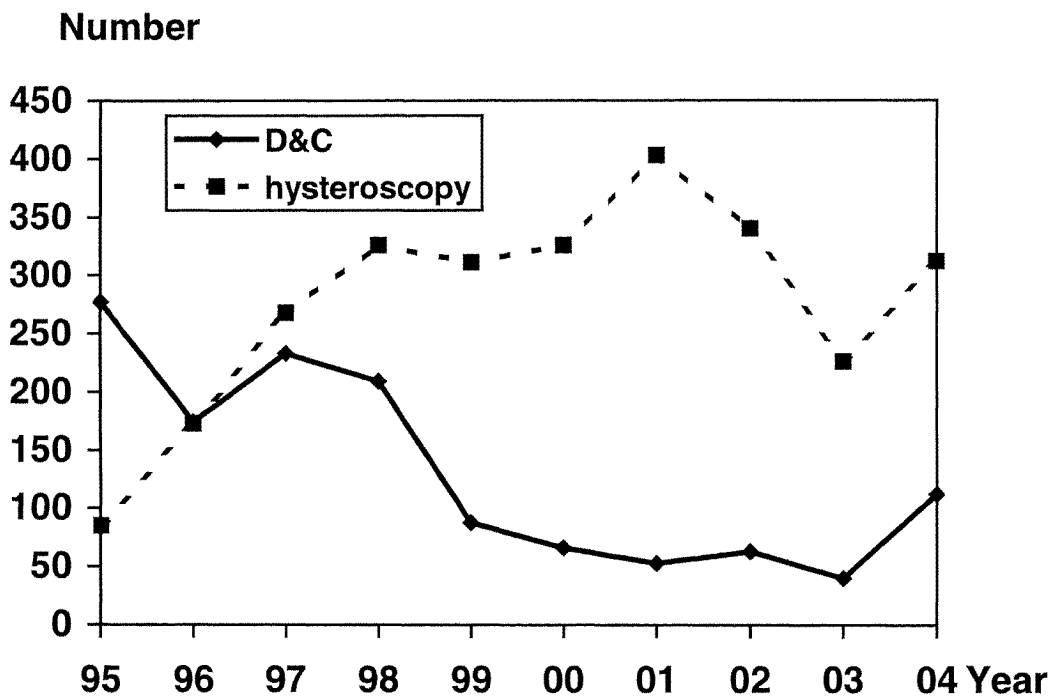
Total	1
Resuture of abdominal wound	0
Miscellaneous	1



Other Minor Operations

Total	1247
Dilatation and curettage / polypectomy	112
Suction termination of pregnancy	471
Evacuation of retained products of conception	269
Marsupialization	34
Other vulval surgery	39
Examination under anaesthesia	5
Endometrial biopsy	189
Miscellaneous	32

D&C AND DIAGNOSTIC HYSTEROSCOPY*



Radiotherapy*

Total	108
Intracavitary radiotherapy	3
External radiotherapy	34
Miscellaneous	71

* 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	4247
Observation and investigations	2102
Antibiotic as primary treatment	135
Prostaglandins	411
Hormones	221
Chemotherapy	801
Other medication	82
Miscellaneous	424

LIST OF ABBREVIATIONS

24 NOV 2006

AGA	Appropriate for gestational age
APH	Antepartum haemorrhage
Chronic HT	Chronic hypertension
C. HT with PET	Chronic hypertension with superimposed preeclampsia
CS	Caesarean section
G. Proteinuria	Gestational proteinuria
G. P. HT	Gestational proteinuric hypertension
IGT	Impaired glucose tolerance
IUD	Intrauterine death
IUGR	Intrauterine growth retardation
LAVH	Laparoscopic assisted vaginal hysterectomy
LF	Low forceps
LGA	Large for gestational age
LH	Laparoscopic hysterectomy
NND	Neonatal death
PND	Perinatal death
PPH	Postpartum haemorrhage
SB	Stillbirth
SGA	Small for gestational age
TAH	Total abdominal hysterectomy
TAHBSO	Total abdominal hysterectomy bilateral salpingo-oophorectomy
TOP	Termination of pregnancy
TVT	Tension free vaginal tape
Unclassified HT/P	Unclassified hypertension/proteinuria
VE	Vacuum extraction

HKU Libraries



X47269344

