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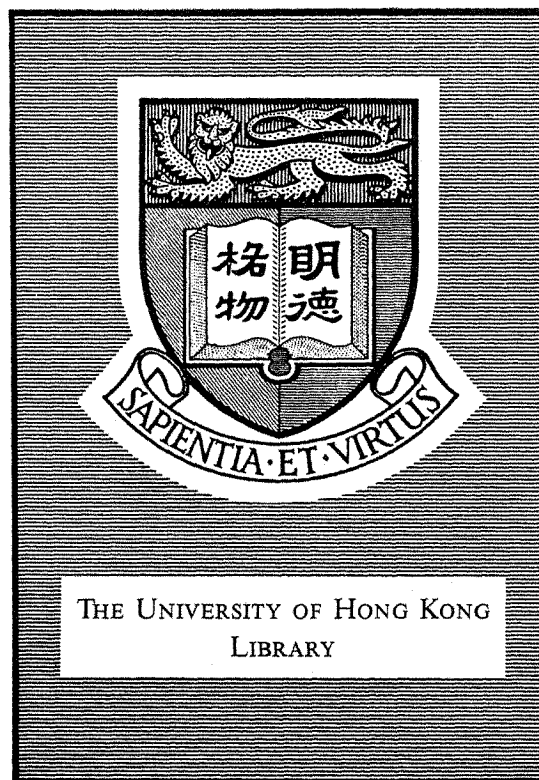
**THE UNIVERSITY
OF HONG KONG**

**2000
CLINICAL REPORT**



*Department
of
Obstetrics and Gynaecology*

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MESSAGE FROM THE HEAD OF THE DEPARTMENT

One may still argue whether this is the first clinical report of the 21st century or the last report of the 20th century. Nevertheless, for those who regularly receive our reports would notice at least a change in the design of the cover – a busier design in stead of the simple sketch of Queen Mary Hospital; perhaps more appropriately reflects the heavy workload of the Department. The caesarean section seems to have plateaued and two new statistics have been added to monitor the trend – the rate in nulliparous parturients with term, singleton and vertex presenting fetuses and the rate in multiparous parturients with one previous caesarean section, again with term, singleton and vertex presenting fetuses. Hopefully, with the introduction of these ‘standardised’ caesarean section rates, the trend of change will be easier to monitor and compare. The trend of reduction in abdominal hysterectomy continues and this is probably related to an increase, not only in laparoscopic hysterectomy, but also vaginal hysterectomy.

I would like to thank Dr TC Pun and Dr KF Tam for their effort in putting all the data of the service together to produce this report. We would also like to thank the Information Technology Department, Hospital Authority and in particular, to Ms. Amy Chow for their assistance. The information on the various subspecialty services were compiled by Dr C Chan, Dr CT Lau, Dr TW Leung, Dr E Ng, Dr C Ngai and Dr G Wong. More details of our Assisted Reproduction Programme and Prenatal Diagnostic and Counselling Service are published in separate reports. I would also like to thank Ms P Chau and her team and all the other staff in their contribution to the production of this report. Finally, I express my appreciation to Ms Miranda Tang for her excellent secretarial support.

Pak-Chung Ho
Professor and Chair

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**MEDICAL STAFF OF
DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY,
UNIVERSITY OF HONG KONG (2000)**

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
Chief of Service (Hon), Department of Obstetrics, Tsan Yuk Hospital
Consultant Obstetrician & Gynaecologist to the Hospital Authority

Hospital Chief Executives :

Dr. V.C.W. Wong M.B.,B.S. (H.K.); F.R.C.O.G.;
 F.R.C.P. (Lond.); F.H.K.A.M. (O&G)
 F.H.K.C.O.G.; F.H.K.C.P.
 (Queen Mary Hospital;
 Tsan Yuk Hospital from October 2000)

Dr. S. Lo M.B.,B.S. (H.K.); M.H.P. (UNSW);
 F.H.K.A.M. (CM); F.H.K.C.C.M.
 (Tsan Yuk Hospital till September 2000)

Professors and Consultants, 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. 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. L.C. Wong 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 Professors and Consultants, Specialists in Obstetrics & Gynaecology:

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

Dr. T.T.H. Lao 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 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)
Dr. T.C. Pun M.B.,B.S. (H.K.); F.R.C.O.G.;
F.H.K.A.M. (O&G)
Dr. W.W.K. So B.Sc. (Purdue); M.B.,B.S. (H.K.);
F.R.C.O.G.; F.H.K.A.M. (O&G);
F.H.K.C.O.G.
(till October 2000)
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.

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)
Dr. W.C. Leung M.B.,B.S. (H.K.); M.R.C.O.G.;
F.H.K.A.M. (O&G)
Dr. W.M. Wong M.B.,Ch.B. (C.U.H.K.); M.R.C.O.G.;
D.C.H. (Ire); F.H.K.A.M. (O&G)
(till August 2000)

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

Dr. Y.M. Chan M.B.,B.S. (H.K.); M.R.C.O.G.;
F.H.K.A.M. (O&G)
Dr. D.K.L. Cheng M.B.,B.S. (N.S.W.); F.R.A.C.O.G.;
F.H.K.A.M. (O&G)
(till December 2000)
Dr. D.K.C. Chui M.B.,Ch.B. (Leic); M.R.C.O.G.;
F.H.K.A.M. (O&G)
(till March 2000)
Dr. H.S.W. Lam M.B.,B.S. (H.K.); M.R.C.O.G.;
F.H.K.A.M. (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)
Dr. T.Y. Ng M.B.,B.S. (Sing.); M.Med. (Sing.);
M.R.C.O.G.; F.H.K.A.M. (O&G)
Dr. E.H.Y. Ng M.B.,B.S. (H.K.); M.Phil.(Sheff);
M.R.C.O.G.; F.H.K.A.M. (O&G)
Dr. C.S.W. Ngai M.B.,B.S. (H.K.); M.R.C.O.G. ;
F.H.K.A.M. (O&G); M.D.

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

Assistant Professors and Medical Officers :

Dr. B.C.P. Chan	M.B.,B.S. (H.K.); M.R.C.O.G.
Dr. C.C.W. Chan	M.B.,B.S. (H.K.); M.R.C.O.G.
Dr. E. Hon	B.Sc., M.B.,B.S. (Lond.); M.R.C.O.G.
Dr. P.W. Hui	M.B.,B.S. (H.K.)
Dr. A. Kan	M.B.,B.S. (H.K.)
Dr. K.W. Lam	M.B.,B.S. (H.K.); M.R.C.O.G.
Dr. T.W. Leung	M.B.,B.S. (H.K.); M.R.C.O.G.
Dr. I. Li	M.B.,B.S. (H.K.); M.R.C.O.G.
Dr. T. Li	M.B.,Ch.B. (C.U.H.K.)
Dr. G.Y. Wong	M.B.B.S. (H.K.)

Consultant Paediatricians:

Prof. Y.L. Lau	M.D., F.R.C.P., F.R.C.Pch, F.H.K.A.M.(Paed.); F.H.K.C.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.P. (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.P. (Paed.); F.R.C.P. (Edin.); F.R.C.P. (Lond.)

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. R.S.N. 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 Pathologists :

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.
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.

Consultant Physician :

Professor S.K. Lam O.B.E.; M.D. (H.K.); F.R.C.P.; F.R.C.P. (E);
F.R.C.P. (G); F.A.C.P.; F.A.C.G.; F.R.A.C.P.;
F.H.K.A.M. (Med.); F.H.K.C.P.

Consultant Psychiatrist :

Professor F. Lieh-Mak C.B.E.; M.D. (Santo Tomas); L.A.H. (Dublin);
F.R.C.Psych.; F.R.A.N.Z.C.P.; J.P.;
F.H.K.A.M. (Psychiatry); F.A.P.A.

Consultant Radiologist :

Dr. F.L. Chan M.B.,B.S. (H.K.); F.R.C.R.; D.M.R.D.;
F.H.K.A.M. (Radiology); F.H.K.C.R.

Consultant Surgeon :

Professor 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.)

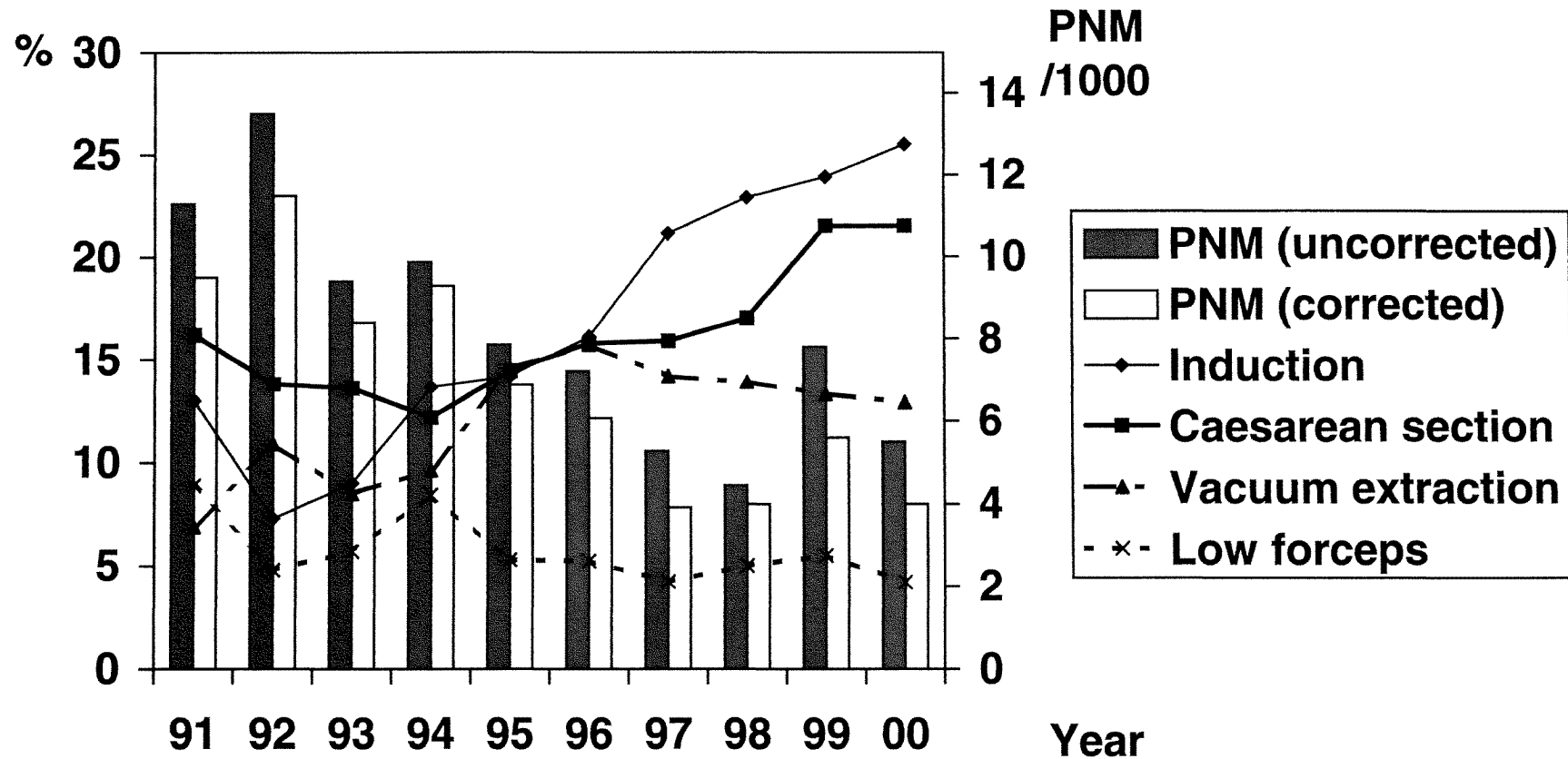
OBSTETRICS

COMPARATIVE STATISTICS (1991 - 2000)

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
TOTAL PATIENTS DELIVERED	3428*	3435*	5393	5108	5023	5205	4861	4434	4399	4630
PRIMIPARAE	1621	1783	2728	2712	2597	2747	2555	2435	2585	2746
MULTIPARAE	1807	1652	2665	2396	2426	2458	2306	1999	1814	1884
PREGNANCY INDUCED HYPERTENSION	196	120	141	159	136	150	106	139	119	95
ECLAMPSIA	1	0	1	4	1	1	3	1	2	2
ACCIDENTAL HAEMORRHAGE	16	13	10	24	20	33	32	16	7	6
PLACENTA PRAEVIA	40	22	39	28	46	54	45	36	39	41
POSTPARTUM HAEMORRHAGE	115	147	141	241	158	140	117	80	110	106
INDUCTION OF LABOUR(%)	13.0	7.3	9.0	13.7	14.2	16.1	21.1	22.9	23.9	25.5
VACUUM EXTRACTION(%)	6.9	10.9	8.5	9.6	14.5	15.7	14.2	13.9	13.3	12.9
FORCEPS DELIVERY(%)	8.9	4.8	5.7	8.4	5.3	5.2	4.3	5.0	5.5	4.2
CAESAREAN SECTION(%)	16.2	13.8	13.6	12.2	14.4	15.8	15.9	17.0	21.5	21.5
MATERNAL DEATHS	1	0	0	2	1	2	0	0	1	1
INFANTS BORN IN HOSPITAL	3400	3418	5420	5137	5063	5249	4914	4481	4473	4704
INFANTS BORN BEFORE ADMISSION	58	53	34	28	24	26	16	18	14	9
TOTAL INFANTS BORN	3458	3471	5454	5165	5087	5275	4930	4499	4487	4713
STILLBIRTH RATE (PER 1000 TOTAL DELIVERIES)	4.6	7.8	5.9	5.8	4.9	4.2	4.1	2.9	5.4	4.5
NEONATAL DEATH RATE (PER 1000 LIVEBIRTHS)	7.0	7.8	4.6	5.3	4.2	3.8	1.4	1.6	2.7	1.5
PERINATAL DEATH RATE (PER 1000 LIVEBIRTHS)	11.3	13.5	9.4	9.9	7.9	7.2	5.3	4.5	7.8	5.5
CORRECTED PERINATAL DEATH RATE (EXCLUDING NON-BOOKED CASES WITH IUD ON ADMISSION)	9.5	11.5	8.4	9.3	6.9	6.1	3.9	4.0	5.6	4.0

* Reduction in deliveries due to renovation work.

INTERFERENCE RATES & PERINATAL MORTALITY 1991-2000



STATISTICAL SUMMARY

	Tsan Yuk Hospital	Queen Mary Hospital
Obstetric Clinic Attendance		
Antenatal new cases	4395	510
Antenatal follow-up cases	16022	2914
Postnatal cases*	1667	574
Postnatal follow-up cases	617	-
Combined diabetic clinic	-	423
Combined medical clinic	-	147
Second Trimester Routine Scan	2155	-
Day Centre Attendance		
Cardiotocogram	869	115
Oral glucose tolerance test	2755	580
Sugar profile	510	-
Blood pressure monitoring	184	-
Removal of stitches	1714	13
Wound inspection	91	12
Miscellaneous#	20197	-
Deliveries	3953	677
Booked	3558	502
Primiparae	2157	278
Multiparae	1401	224
Non-booked	395	175
Primiparae	228	83
Multiparae	167	92

* uncomplicated patients were referred to Maternal Child Health Centres for follow up

attendance at patient educational activities included

PATIENTS' CHARACTERISTICS

		Number	%
Hong Kong residents:		4525	97.7
Non Hong Kong residents		105	2.3
Age(years):	Primiparous	28.8	
	Multiparous	31.9	
	All	30.0	
Parity at booking:		Number	%
	Primiparous	2746	59.3
	Multiparous	1884	40.7
Average height(cm):		159	
Average pre-pregnant weight(kg):		62	
Education level:		Number	%
	None	206	4.5
	Primary	379	8.2
	Secondary	3166	68.4
	Tertiary	867	18.7
Smoking habit:		Number	%
	Nonsmokers	4443	96.0
	=<20 per day	187	4.0
	>20 per day	0	0.0
Average family income(HK\$x1000):			18.5

CONGENITAL ANOMALY OF GENITAL AND URINARY TRACT

Total number	3
Incidence (%)	0.1

CARDIAC DISEASES

Total number	121
Incidence(%)	2.7

Types	Number	%
Rheumatic heart disease	10	0.2
Congenital heart disease	4	0.1
Mitral valve prolapse	12	0.3
Arrhythmia	2	0.1
Others	93	2.0

GESTATIONAL DIABETES* & PRE-EXISTING DIABETES MELLITUS

	Gestational DM*		Pre-existing DM
	IGT#	DM#	
Total number	435	33	6
Incidence(%)	9.4	0.7	0.1
Total no of babies	447	33	6
Number of CS	124	15	3
Stillbirth	2	0	0
Neonatal death	0	0	0
Perinatal death	2	0	0
Large for date babies (%)	64 (14.3)	7 (21.2)	0 (0.0)
Small for date babies (%)	54 (12.1)	2 (6.1)	0 (0.0)

* According to the Third International Workshop Conference on Gestational Diabetes(1991)

According to the WHO criteria(1980)

BLOOD DISORDERS

	Number	%
Anaemia	233	5.0
Iron deficiency	89	1.9
Alpha-thalassaemias	233	5.0
Beta-thalassaemias	177	1.7
Iron deficiency and thalassaemias	3	0.1
Others	105	2.3

RENAL DISEASES

Total number	17
Incidence (%)	0.4

LIVER DISEASES

Total number	4
Incidence (%)	0.1

RESPIRATORY DISEASES

Total number	16
Incidence (%)	0.4

GASTROINTESTINAL/GALL BLADDER DISEASES

Total number	3
Incidence (%)	0.1

EPILEPSY

Total number	6
Incidence (%)	0.1

OTHER NEUROLOGICAL DISEASES

Total number	6
Incidence (%)	0.1

PSYCHIATRIC DISEASES

Total number	13
Incidence (%)	0.3

AUTOIMMUNE DISEASES

Total number	7
Incidence (%)	0.2

THYROID DISEASES

Total number	69
Incidence(%)	1.5

SURGICAL DISEASES

Total number	2
Incidence (%)	0.0

MALIGNANT DISEASES

Total number	3
Incidence (%)	0.1

SEXUALLY TRANSMITTED DISEASES

Total number	18
Incidence(%)	0.4

Types	Cases
Syphilis	5
Gonorrhoea	1
Herpes simplex	0
Condyloma acuminata	4
Chlamydia trachomatis	7
Combination of above/others	1

OTHER INFESTATIONS/INFECTIONS

Total number	416
Incidence (%)	9.0

Types	Cases
Moniliasis	190
Trichomoniasis	3
Combination/others	223

OTHER ASSOCIATED CONDITIONS

	Cases	%
Hyperemesis gravidarum	4	0.1
Skin diseases	2	0.0
Kyphoscoliosis	2	0.0
Incompetent os	6	0.1
Drug addiction	3	0.1
Rhesus negative mothers	63	1.4
Others	98	2.1

HYPERTENSION IN PREGNANCY*

Total number	126
Incidence (%)	2.7
Primiparous	85
Multiparous	41

Type	Cases	Induction of labour	Caesarean# section	SB#	NND#	PND#
Gestational HT	51	21	20	0	0	0
G. Proteinuria	7	2	4	0	0	0
G. P. HT	37	12	30	0	0	0
Chronic HT	12	3	5	0	0	0
C. HT with PET	2	1	1	0	0	0
Unclassified HT/P	15	8	6	1	0	1
Eclampsia	2	0	2	0	0	0

Perinatal Mortality = 7.9/1000 total births

* according to Davey & MacGillivray (Am J Obstet Gynecol 1988;158:892-8)

No of babies

ANTEPARTUM HAEMORRHAGE

Total number of cases	245
Incidence (%)	5.3

Mode of delivery of babies versus types of antepartum haemorrhage*

Mode of delivery	Placenta praevia	Accidental haemorrhage	APH of ? origin	Extra placental
Spontaneous	4	1	93	9
Vacuum extraction	0	1	23	3
Low forceps	0	0	10	2
Vaginal Breech	0	0	4	0
Elective CS	13	0	12	1
Emergency CS	24	4	39	3
Total	41	6	181	18

Outcome of babies versus causes of antepartum haemorrhage*

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

*No of babies

PRETERM DELIVERIES

Total number of cases			323
Incidence (%)			6.9
Parity	Total	Cases	%
Primiparous	2801	184	6.6
Multiparous	1912	139	7.3
Booking status	Total	Cases	%
Booked	4713	233	4.9
Non-booked	584	90	15.4
Outcome		Cases	Rate
Stillbirth-ante partum		13	40.3
Stillbirth-intra partum		0	0.0
Stillbirth-undetermined		1	3.1
Neonatal death		6	18.6
Perinatal death		19	58.3
Mode of delivery		Cases	%
Spontaneous vaginal delivery		121	37.5
Vacuum extraction		13	4.0
Low forceps		16	5.0
Vaginal breech delivery		22	6.8
Elective caesarean section		19	5.9
Emergency CS & others		132	40.9
Birth weight		Cases	%
<2500 g		169	52.3
<1500 g		39	12.1
<1000 g		32	9.9
Number of babies	Total	Cases	%
Singleton	4550	240	5.3
Multiple pregnancies	163	83	50.9

NEONATAL COMPLICATIONS

	Cases	%
Admission to ICU >24 hours	74	22.9
Congenital abnormality	17	5.3
Major infection	13	4.0
Respiratory distress syndrome	2	0.6
Intraventricular haemorrhage	5	1.6
Necrotising enterocolitis	0	0.0

MULTIPLE GESTATION

Total number	80
Incidence (%)	1.7
Primiparous	53
Multiparous	27
Twins	76
Triplets	4
Quadruplets and higher order	0
Total number of babies	163
Preterm < 37 weeks	83
> = 37 weeks	80
Induced labour	14
Incidence of induced labour	17.5

Mode of delivery versus birthorder

	1st baby*	2nd baby	3rd baby
Spontaneous vaginal	11	5	0
Vacuum extraction	5	6	0
Low forceps	4	2	0
Vaginal breech delivery	0	6	0
Other vaginal delivery	0	0	0
Caesarean section & others	59	61	4

*one of the fetuses miscarried at 22 weeks of gestation

Outcome of fetus versus birthorder

	1st baby	2nd baby	3rd baby
Livebirths	79	79	4
Stillbirth - antepartum	0	1	0
Stillbirth - intrapartum	0	0	0
Stillbirth - undetermined	0	0	0
Neonatal death	0	0	0
Perinatal death	0	1	0

POSTPARTUM HAEMORRHAGE

Total number of cases	106
Incidence (%)	2.3
Primiparous	56
Multiparous	50

Types	Cases	%
Primary PPH	90	1.9
Secondary PPH	17	0.4

Causes of Primary PPH

Causes	Cases
Uterine atony	46
Retained gestational product	15
Ruptured uterus	1
Cervical tear	7
Vaginal tear	12
Perineal wound	5
Genital haematoma	4
Uterine inversion	0
Consumptive coagulopathy	3
Others	7

Causes of Secondary PPH

Causes	Cases
Retained gestational product	8
Genital tract infection	3
Others	6

MANUAL REMOVAL OF PLACENTA

Total number of patients	52
Incidence (%)	1.1

POSTPARTUM ANAEMIA*

	Total	Cases	%
Primiparous	2746	335	12.2
Multiparous	1884	160	8.5
Total	4630	495	10.7

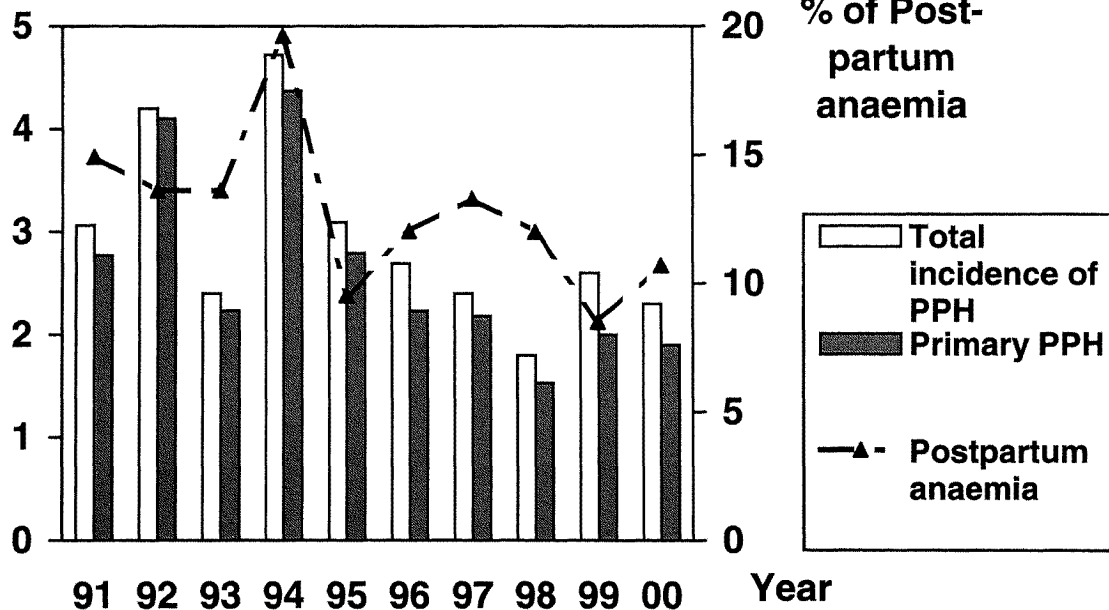
Mode of delivery #	Total	Cases	%
Spontaneous vaginal	2866	294	10.3
Vacuum extraction	606	92	15.2
Low forceps	201	35	17.4
Vaginal breech	27	2	7.4
Elective CS	274	11	4.0
Emergency CS	739	69	9.3

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

Number of babies

**POSTPARTUM HAEMORRHAGE
and POSTPARTUM ANAEMIA**

% of PPH



PUERPERAL PYREXIA

Total number of patients			52
Incidence (%)			1.1
Primiparous			39
Multiparous			13
Causes			Cases
Reactionary			1
Breast problem			2
Urinary tract infection			5
Genital tract infection			18
Wound infection			5
Other causes			5
Unknown			21
Mode of delivery			
	Total*	Cases*	Incidence
Spontaneous vaginal delivery	2866	5	0.2
Vacuum extraction	606	4	0.7
Low forceps	201	2	1.0
Vaginal breech	27	1	3.7
Elective caesarean section	274	9	3.3
Emergency CS and others	739	34	4.6

* No of babies

OTHER COMPLICATIONS

	Cases	%
Third degree tear	4	0.1
Other genital tract trauma	8	0.2
Ruptured uterus without PPH	1	0.0
Hysterectomy	0	0.0

TYPES OF LABOUR

Outcome of fetus versus types of labour

Type	not in labour	spon. onset	augmented labour	induced labour	total
Total births	517	2748	253	1195	4713
Stillbirth rate/1000	0 0.0	8 2.9	0 0.0	13 10.9	21 4.5
NND rate/1000	3 5.8	4 1.46	0 0.0	0 0.0	7 1.5
PND rate/1000	2 3.9	11 4.0	0 0.0	13 10.9	26 5.5

Mode of delivery versus types of labour

Mode of delivery	not in labour	spon. onset	augmented labour	induced labour	total
Total births	514	2751	253	1195	4713
Spontaneous vaginal (%)	0 0.0	2120 77.2	108 42.7	636 53.2	2866 60.8
Vacuum extract (%)	0 0.0	327 11.9	59 23.3	220 18.4	606 12.9
Low forceps (%)	0 0.0	122 4.4	11 4.4	68 5.7	201 4.3
Vaginal breech (%)	0 0.0	23 0.8	0 0.0	4 0.3	27 0.6
CS & others (%)	514 100	157 5.7	75 29.6	267 22.3	1013 21.5

INDUCTION OF LABOUR

Total number of patients	1181
Incidence (%)	25.5

Parity	Total	Cases	Incidence
Primiparous	2746	859	31.3
Multiparous	1884	322	17.1

Outcome of babies	Cases
Stillbirth - antepartum	13
Stillbirth - intrapartum	0
Stillbirth - undetermined	0
Neonatal deaths	0
Perinatal deaths	13

Mode of delivery	Cases	%
Spontaneous vaginal	636	53.2
Vacuum extraction	220	18.4
Low forceps	68	5.7
Vaginal breech	4	0.3
Caesarean section	267	22.3
Total*	1195	

Outcome of Induction#	Cases	%
Successful	950	80.4
Failure	231	19.6

* No of babies

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

Indications for induction*

Indications	Primiparae	Multiparae
Diabetes/impaired glucose tolerance	20	16
Maternal diseases	8	3
Bad obstetrical history	1	7
Past term	212	96
Hypertension associated with pregnancy	22	11
Premature rupture of membranes	420	121
Antepartum haemorrhage	22	12
Multiple pregnancies	6	1
Suspected IUGR	19	11
Intrauterine death	8	3
Fetal anomaly	2	1
Suboptimal non-stress test	41	16
Social reason	7	0
Others	96	38

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

Induction delivery interval (mean)

8.5 hours

Induction delivery interval in whole group

	Number*	%
1-10 hours	809	68.5
11-20 hours	369	31.2
>20 hours	17	1.4

* No of babies

OBSTETRIC ANALGESIA DURING LABOUR

Patients with Intrapartum Epidural	621	
Primiparous	507	
Multiparous	114	
Epidural Rate	13.4%	
Number with induction of labour	329	(53.0%)
Mode of delivery		
Normal spontaneous	182	(28.8%)
Vacuum extraction	178	(28.1%)
Forceps delivery	65	(10.3%)
Vaginal breech delivery	3	(0.5%)
Caesarean section	205	(32.4%)

PREGNANCY FOLLOWING PREVIOUS CAESAREAN SECTION

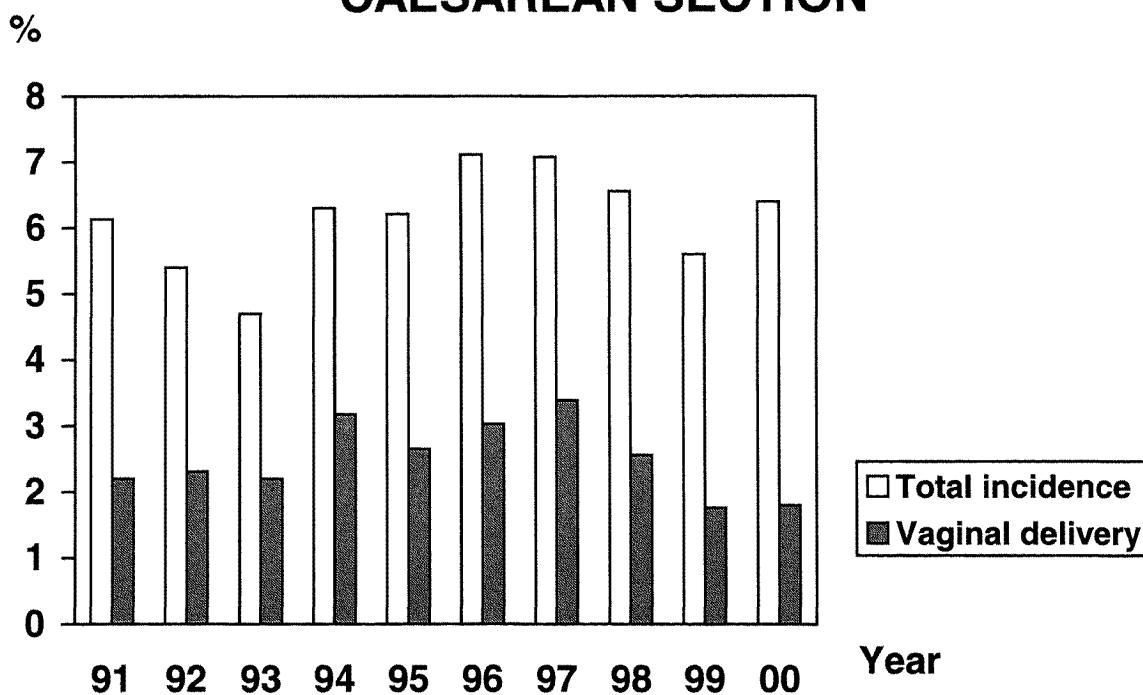
Total cases	298
Incidence (%)	6.4

Outcome of fetus	Cases*	Rate
Stillbirth	1	0.3
Neonatal death	1	0.3
Perinatal death	1	0.3

Mode of delivery	Cases*	%
Spontaneous vaginal delivery	61	20.1
Vacuum extraction	20	6.6
Low forceps	4	1.3
Vaginal breech delivery	1	0.3
Elective caesarean section	107	35.2
Emergency CS & others	111	36.5

* No of babies

PREGNANCY FOLLOWING PREVIOUS CAESAREAN SECTION

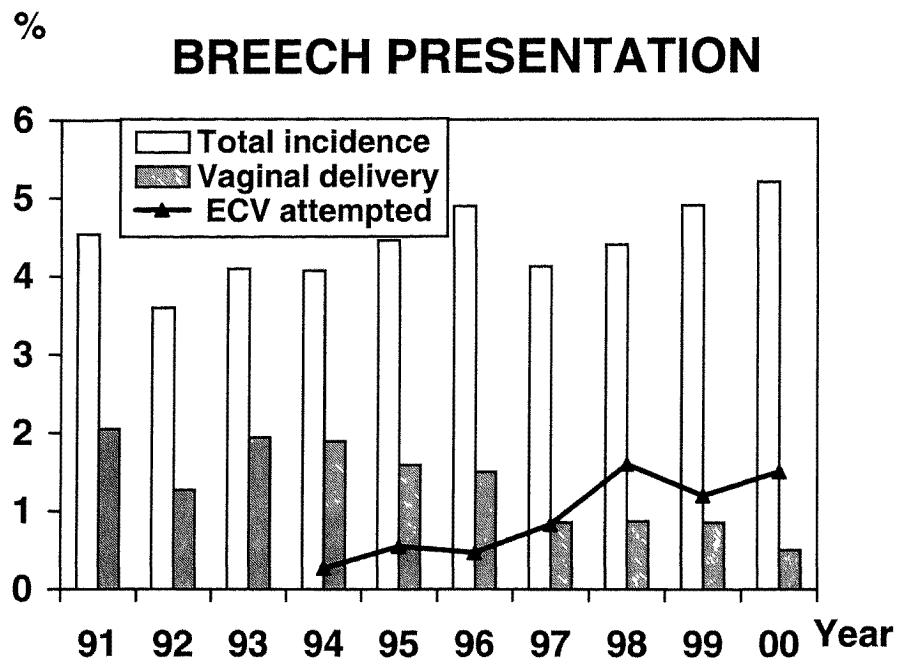


BREECH PRESENTATION

Total number of cases			244
Incidence (%)			5.2
Parity	Total	Cases	%
Primiparous	2801	153	5.5
Multiparous	1912	91	4.8
Outcome		Cases	Rate
Stillbirth-antepartum		7	28.7
Stillbirth-intrapartum		0	0.0
Stillbirth-undetermined		1	4.1
Neonatal death		4	16.4
Perinatal death		11	45.1
Mode of delivery		Cases	%
Assisted breech delivery		23	9.4
Other vaginal breech delivery		3	1.2
Elective caesarean section		109	44.7
Emergency CS & others		109	44.7
Gestational age at delivery	Total	Cases	%
<37 weeks	323	70	21.7
37-40 weeks	3727	165	4.4
>40 weeks	663	9	1.4
Number of infants	Total	Cases	%
Singleton	4550	192	4.2
Multiple pregnancies	163	52	31.9

External Cephalic Version (ECV)

Parity	Cases	Successful	Successful %
Primiparous	48	14	29.2
Multiparous	22	15	68.2
Total	70	29	41.4



MALPRESENTATION OTHER THAN BREECH PRESENTATION*

Total cases 34
 Incidence (%) 0.7

Mode of delivery	Face/brow	Compound	Transverse
Spontaneous vaginal	0	0	0
Vacuum extraction	0	0	0
Low forceps	0	0	0
Vaginal breech	0	0	0
Elective CS	0	0	13
CS & others	3	1	17
Total	3	1	30

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

* Excluding malposition of occiput.

PROLAPSE & PRESENTATION OF UMBILICAL CORD

Total cases	2
Incidence (%)	0.0

Outcome of fetus	Cases	%
Stillbirth - antepartum	2	100.0
Stillbirth - intrapartum	0	0.0
Stillbirth - undetermined	0	0.0
Neonatal death	0	0.0
Perinatal death	2	100.0

Mode of presentation	Total	Cases	%
Vertex	4424	0	0.0
Breech : extended leg(s)	92	1	50.0
flexed legs	131	1	50.0
footling	21	0	0.0
Face/brow	3	0	0.0
Compound	1	0	0.0
Transverse/oblique	30	0	0.0
Others	10	0	0.0

Mode of delivery	Number	%
Spontaneous vaginal	0	0.0
Vacuum extraction	0	0.0
Low forceps	0	0.0
Assisted breech delivery	1	50.0
Other breech delivery	1	50.0
Caesarean section	0	0.0

MODE OF OPERATIVE DELIVERY

Total number	1820
Incidence (%)	38.6

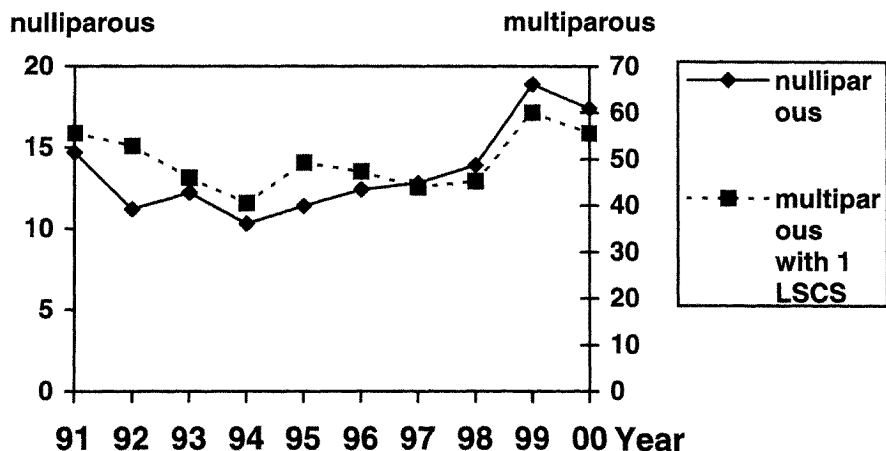
Parity	VE	LF	CS
Primiparous	506	156	667
Multiparous	100	45	346
Total	606	201	1013
Incidence (%)	12.9	4.3	21.5

Types of abdominal delivery	Number
Elective LSCS	274
Elective classical LSCS	0
Emergency LSCS	737
Emergency classical CS	1
Caesarean hysterectomy	0
Others (laparotomy etc.)	0

LSCS in term, singleton, vertex presenting fetuses	Number	CS	rate
Nulliparous parturients	2454	427	17.4%
Multiparous parturients with 1 previous LSCS	117	65	55.6%

Outcome of fetus	VE	LF	Elective CS	Emergency CS & others
Livebirths	606	201	274	739
Stillbirths	0	0	0	0
Neonatal death	0	0	1	2
Perinatal death	0	0	0	2

LSCS rate in term, singleton, vertex presenting fetuses



INDICATIONS FOR ASSISTED DELIVERY*

Indication	VE	LF
Maternal disease	2	3
Maternal distress	10	6
Previous caesarean section	0	1
Obstetric complications	0	0
Fetal distress	205	83
Cord Prolapse	0	0
Prolonged second stage	374	105
Others	24	10

INDICATIONS FOR CAESAREAN SECTIONS*

Indication	Number
GDM/DM	16
Maternal disease	7
Previous uterine scar	181
Bad obstetric history	3
Antepartum haemorrhage	78
Hypertension	32
Multiple pregnancy	119
Fetal distress	109
Cord prolapse	4
Intrauterine growth retardation	27
Malpresentation/lie	171
No progress of labour	54
Cephalopelvic disproportion	119
Contracted/unfavourable pelvis	5
Failed instrumental delivery	7
Tumour/anomaly	1
Failed induction	119
Elderly/Infertility	2
Suspected macrosomia	4
Social reason	0
Others	169

* There may be more than one indication for assisted delivery.

APGAR SCORES AT BIRTH VERSUS MODE OF DELIVERY*

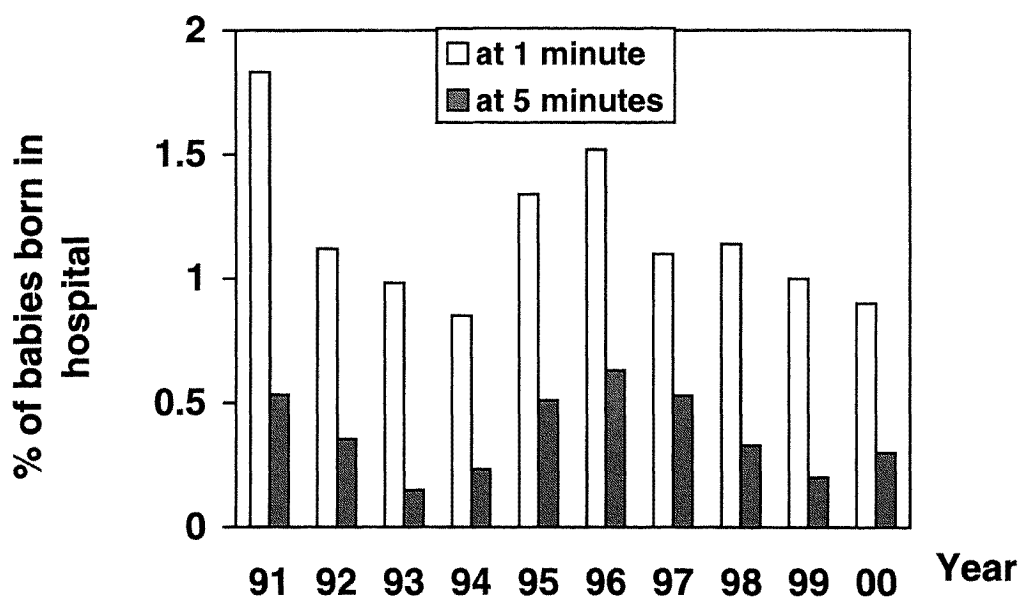
Apgar score at 1 minute

Method of delivery	AS <4	AS 4-6	AS >6	Subtotal
Spontaneous vaginal	6	68	2784	2858
Vacuum extraction	8	64	534	606
Low forceps	0	20	181	201
Vaginal breech	7	9	11	27
Elective CS	2	16	256	274
Emergency CS & others	20	98	620	738
Total	43	275	4386	4704
%	0.9	5.9	93.2	

Apgar score at 5 minute

Method of delivery	AS <4	AS 4-6	AS >6	Subtotal
Spontaneous vaginal	4	3	2851	2858
Vacuum extraction	0	5	601	606
Low forceps	0	0	201	201
Vaginal breech	5	3	19	27
Elective CS	0	0	274	274
Emergency CS & others	3	12	723	738
Total	12	23	4669	4704
%	0.3	0.5	99.3	

NEONATAL ASPHYXIA* (APGAR SCORES LESS THAN 4)



*Excluding babies born before arrival

MATERNAL DEATH

Madam CSC was seen once in the antenatal clinic of Tsan Yuk Hospital at 19 weeks gestation on 28 January 2000. It was her third pregnancy with last menstrual period on 13 September 1999. She had dating ultrasound scan at 16 weeks showing a single fetus corresponded to her menstrual date. She had history of two full term normal vaginal deliveries in 1988 and 1993 in China. Her past health was otherwise uneventful and she did not complain of any discomfort since pregnancy. On physical examination, there was no abnormality found. She weighed 56.6 kg and was 153 cm tall. Her blood pressure was 114/66mmHg and the pulse rate was 88/min. The cardiovascular system and respiratory system were normal. On abdominal examination, the uterus was enlarged to gravid 18-20 weeks and fetal heart sound was detected. Pelvic examination was normal and cervical smear was taken. She was given multivitamin and was arranged to be seen in the Maternity and Child Health Centre 4 weeks later.

She was admitted to our Obstetrics ward in Queen Mary Hospital through the Accident and Emergency Department at 17:25 on February 25, 2000 when she was at 23 weeks and 3 days of gestation. The reason for her admission was repeated vomiting for 3 days and poor appetite for one week. There was no diarrhoea or abdominal pain. She did not notice any vaginal bleeding or urinary symptoms. Her blood pressure was 77/56 mm Hg and the pulse rate was 104 beats per minute. She also had mild degree of dehydration. Other physical examination findings were normal. The uterus was non-tender and the uterine size was corresponding to the gestational age. Fetal heart pulsation was also normal. Intravenous fluid replacement was then given.

At 21:10, she was noticed to be pale by the nursing staff. Small amount of vaginal bleeding was also noted. When she returned to her bed with the nurse, she became drowsy and developed cardiac arrest at 21:20. Cardiopulmonary resuscitation was immediately carried out. Cardiac monitoring showed asystole. She was intubated. Multiple doses of adrenaline, calcium gluconate and sodium bicarbonate solution were given. During the resuscitation, vaginal examination was performed and revealed only a small amount of blood in the vagina. Abdominal ultrasonogram was also performed while continuing resuscitation and revealed no evidence of intra-abdominal bleeding and absent fetal cardiac pulsation. She developed ventricular fibrillation at 22:06. Intravenous lignocaine, bretylium and amiodarone were given. Defibrillation was also performed. She did not respond to resuscitation and was certified dead at 00:35 on February 26, 2000.

Post-mortem examination was performed and the cause of death was myocarditis.

PERINATAL DATA

Total livebirths & stillbirths	4711
Primiparous	2799
Multiparous	1912
Born before arrival	9
Total livebirths	4690
Primiparous	2784
Multiparous	1906

BASIC INFORMATION

Total birth \geq 500 g	4713
Average birthweight(g)	3133 (sd= 676)
Stillbirth \geq 500 g	21
Early (1st week) neonatal deaths	5
Late (2nd-4th week) neonatal deaths	2
Total birth \geq 1 kg	4681
Stillbirth \geq 1 kg	10
Early (1st week) neonatal deaths	2
Late (2nd-4th wk) neonatal deaths	1
Stillbirths with lethal malformations	1
Neonatal deaths with lethal malformations	2
Perinatal deaths with lethal malformations	2
Lethal malformation rate per 1000 births	0.6

EXCLUDING LETHAL MALFORMATION (including $<$ 1 kg)

Stillbirth rate per 1000 total births n= 20	4.2
Neonatal mortality rate per 1000 livebirths n= 5	1.1
Perinatal mortality rate per 1000 total births n= 24	5.1

EXCLUDING BIRTH $<$ 1 kg (including malformation)

Stillbirth rate per 1000 total births n= 10	2.1
Neonatal mortality rate /1000 livebirths n= 3	0.6
Perinatal mortality rate /1000 total births n= 12	2.6

EXCLUDING BIRTH < 1 kg and babies with lethal malformation

Stillbirth rate per 1000 total births n= 10	2.1
Neonatal mortality rate /1000 livebirths n= 1	0.2
Perinatal mortality rate /1000 total births n= 1	2.3

SUMMARY OF FETAL LOSS

	Total	Stillbirths	
		Number	rate
Total	4713	21	4.5
Booked	4129	14	3.4
Non-booked	584	7	12.0
Primiparous	2801	15	5.4
Multiparous	1912	6	3.1

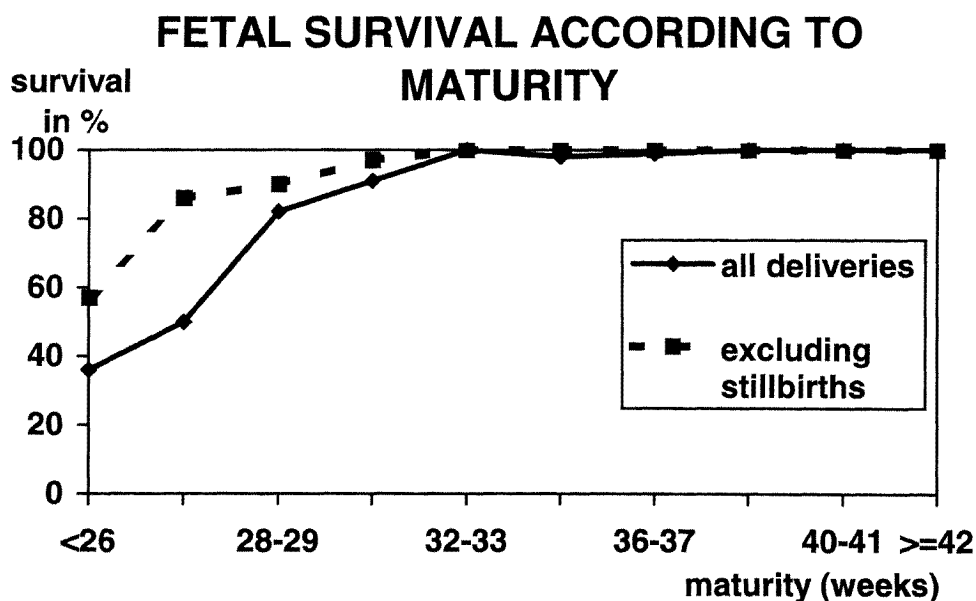
	Livebirths	Neonatal deaths	
		Number	rate
Total	4690	7	1.5
Booked	4113	4	1.0
Non-booked	577	3	5.2
Primiparous	2784	1	0.4
Multiparous	1906	6	3.2

	Total	Perinatal deaths	
		Number	rate
Total	4713	26	5.5
Booked	4129	17	4.1
Non-booked	584	9	15.4
Primiparous	2801	16	5.7
Multiparous	1912	10	5.2

FETAL LOSS VERSUS GESTATIONAL AGE*

Gestational age (weeks)	Total births	Live births	Stillbirth	Neonatal deaths	Perinatal deaths
<26	11	7	4	3	6
rate /1000			307.7	428.6	461.5
26-27	12	7	5	1	6
rate /1000			416.7	142.9	500
28-29	11	10	1	1	2
rate /1000			90.9	100.0	181.8
30-31	33	31	2	1	3
rate /1000			60.6	32.3	90.9
32-33	62	62	0	0	0
rate /1000			0.0	0.0	0.0
34-35	100	98	2	0	2
rate /1000			20.0	0.0	20.0
36-37	251	248	3	0	3
rate /1000			11.9	0.0	11.9
38-39	1395	1392	3	1	3
rate /1000			2.15	0.7	2.2
40-41	2736	2735	1	0	1
rate /1000			0.4	0.0	0.4
>=42	100	100	0	0	0
rate /1000			0.0	0.0	0.0
Total	4713	4690	21	7	26

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

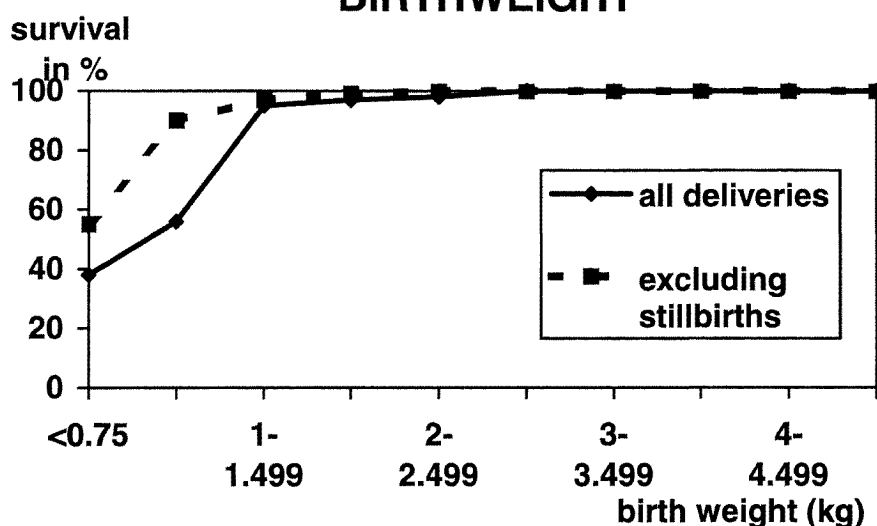


NUMBER OF FETAL LOSS VERSUS BIRTH WEIGHT*

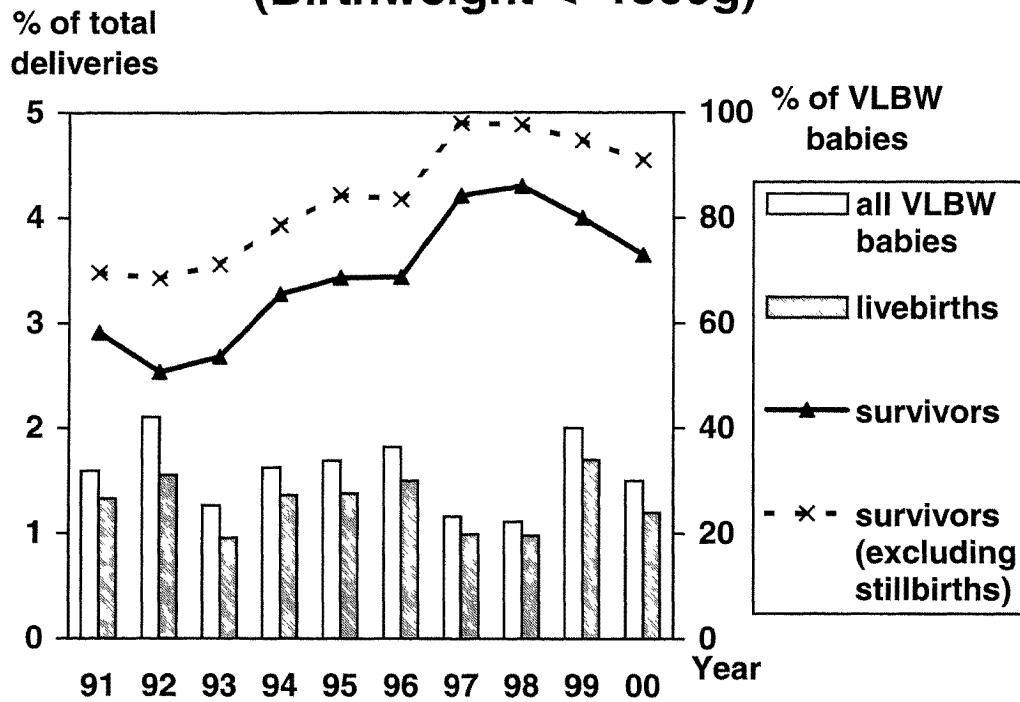
Birth weight in grammes	Total births	Live births	Still births	Neonatal deaths	Perinatal deaths
500-749 (rate /1000)	16	9	5 (312.5)	3 (333.3)	7 (437.5)
750-999 (rate /1000)	16	10	6 (375.0)	1 (100.0)	7 (437.5)
1000-1499 (rate /1000)	39	38	1 (25.6)	1 (26.3)	2 (51.3)
1500-1999 (rate /1000)	97	95	2 (20.6)	1 (10.5)	3 (30.9)
2000-2499 (rate /1000)	224	220	4 (17.9)	0 (0.0)	4 (17.9)
2500-2999 (rate /1000)	1229	1227	2 (1.6)	0 (0.0)	2 (1.6)
3000-3499 (rate /1000)	2027	2026	1 (0.5)	1 (0.5)	1 (0.5)
3500-3999 (rate /1000)	918	918	0 (0.0)	0 (0.0)	0 (0.0)
4000-4499 (rate /1000)	137	137	0 (0.0)	0 (0.0)	0 (0.0)
>=4500 (rate /1000)	10	10	0 (0.0)	0 (0.0)	0 (0.0)
Total	4713	4690	21	7	26

*Babies with unknown birthweight are excluded.

FETAL SURVIVAL ACCORDING TO BIRTHWEIGHT



OUTCOME OF VLBW BABY (Birthweight $\leq 1500\text{g}$)



GESTATIONAL AGE AND FUNCTIONAL MATURITY

	S G A.	A.G.A.	L.G.A.	Total
Preterm	59	236	28	323
Term	507	3372	411	4290
Postterm	10	85	5	100
Total	576	3693	444	4713
(%)	12.2	78.4	9.42	

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

CAUSE FOR STILLBIRTHS

1. Congenital anomaly	1
2. Isoimmunization	0
3. Pregnancy induced hypertension	0
4. Antepartum haemorrhage	0
5. Mechanical	1
6. Maternal disorder	3
7. Unclassifiable	5
8. Unexplained	9
9. Miscellaneous	2
Total	21

OBSTETRICAL CAUSES OF NEONATAL DEATHS

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

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	1	0
Others	1	0
Miscellaneous	2	0

BIRTH TRAUMA

Total cases	235
Incidence (%)	5.0

TYPES OF BIRTH TRAUMA*

	Number	%
Cephalhaematoma	155	66.0
Soft tissue trauma	2	0.9
Subaponeurotic haemorrhage	2	0.9
Intracranial haemorrhage	3	1.3
Fractures	70	29.8
Nerve injury	3	1.3
Visceral injury	0	0.0
Fetal outcome		
Stillbirths		0
Neonatal deaths		0
Perinatal deaths		0

Mode of delivery

	Total	Cases	Incidence /100 births
Spontaneous	2866	33	1.2
Vacuum extraction	606	37	6.1
Low forceps	201	5	2.5
Vaginal breech	27	0	0.0
Elective caesarean section	274	0	0.0
Emergency CS & others	739	5	0.7

* Each baby may have more than 1 type of trauma

CONGENITAL MALFORMATION

Total number	387
Incidence (%)	8.2

TYPES OF MALFORMATIONS

	Number	%
Chromosomal abnormalities	12	3.1
Central nervous system	15	3.9
Face,eye,ear,oral cavity	27	7.0
Gastrointestinal tract	11	2.8
Cardiovascular system	116	30.0
Respiratory system	8	2.0
Urogenital system	86	22.2
Skeletal system	82	21.2
Multiple abnormalities	2	0.5
Others	28	7.2

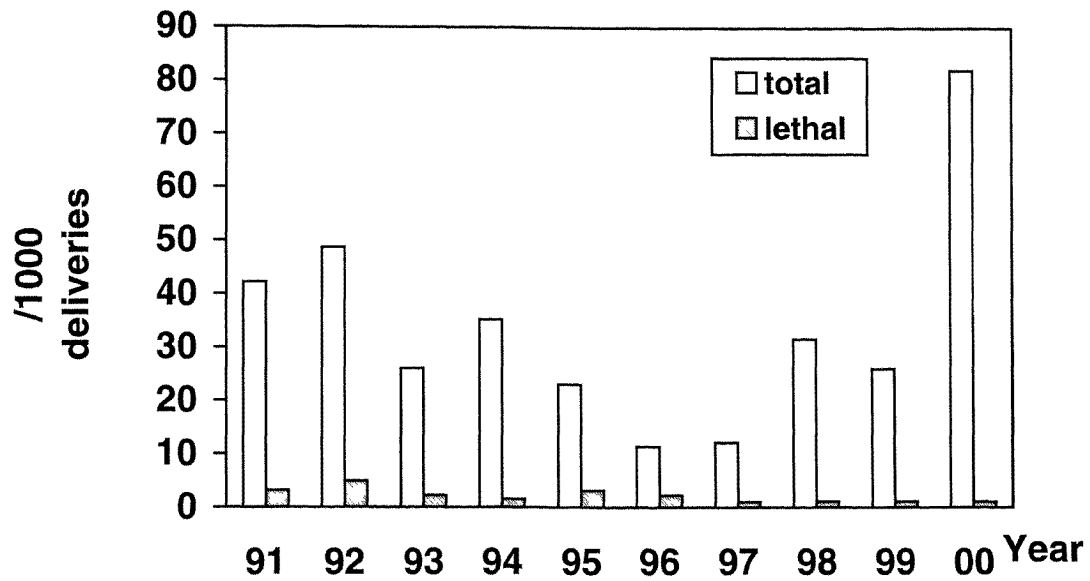
Fetal mortality

Stillbirth	0
Neonatal deaths	3
Perinatal deaths	2

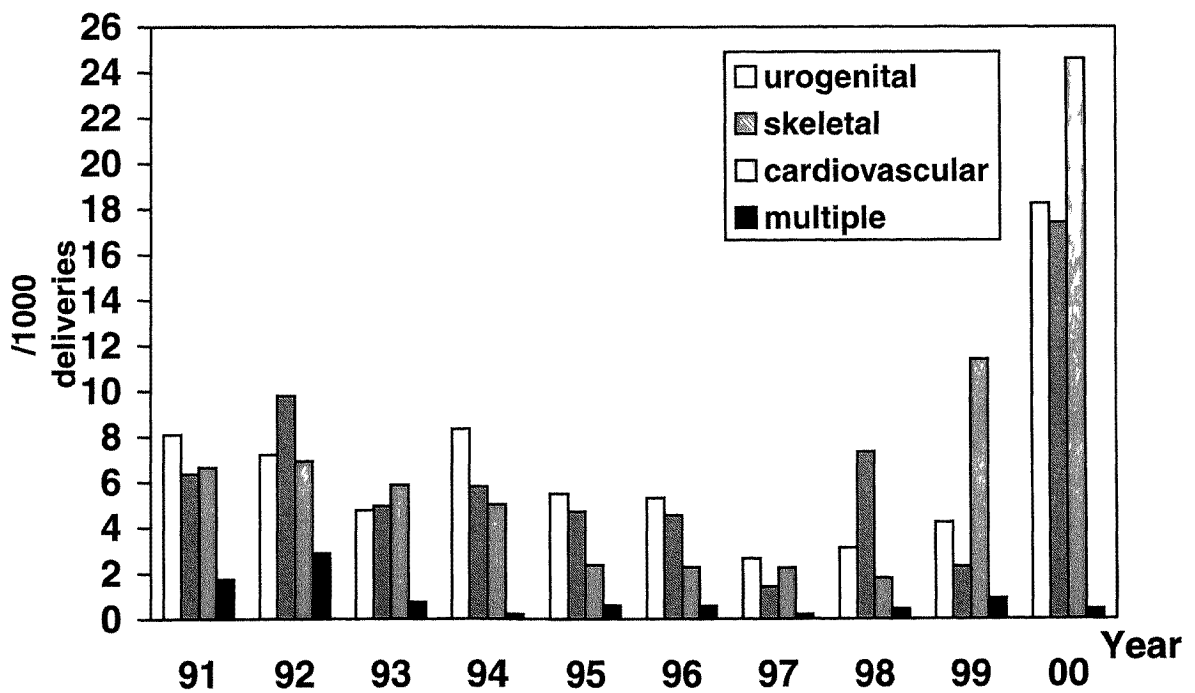
Incidence (%)

among livebirths	8.2
among stillbirths	0.0
among neonatal deaths	42.9
among low birth weight babies (<2.5 kg)	0.0

CONGENITAL MALFORMATIONS



TYPES OF CONGENITAL MALFORMATIONS



OTHER NEONATAL COMPLICATIONS

	Cases	%
Admission To Intensive Care Unit	188	4.0
Respiratory Distress Syndrome	46	0.9
Intraventricular Haemorrhage	62	1.3
Necrotising Enterocolitis	22	0.5
Major Infection		
Congenital infection	6	0.1
Pneumonia	94	2.0
Septicaemia	21	0.4
Meningitis	1	0.0
Other major infection	3	0.0

GYNAECOLOGY

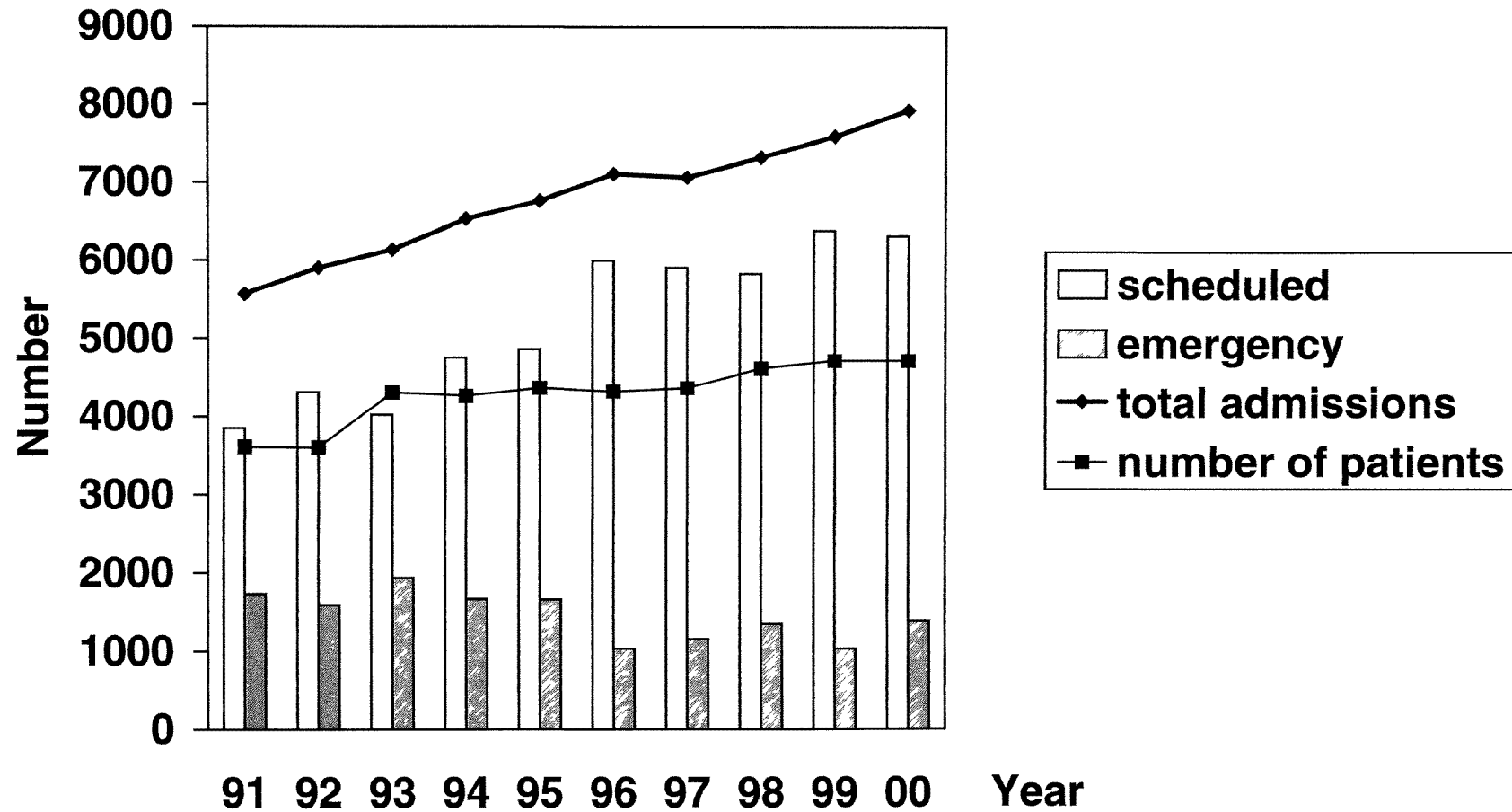
COMPARATIVE STATISTICS (1991 - 2000)

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total admissions	5572	5901	6137	6530	6769	7115	7071	7325	7597	7931
Emergency	1725	1591	1935	1612	1657	1033	1157	1347	1031	1391
Scheduled	3847	4310	4022	4757	4867	6002	5914	5835	6388	6319
Total number of patients admitted	3613	3602	4303	4263	4367	4322	4367	4623	4719	4726
Diseases of uterine cervix (%)	6.2	6.11	9.6	8.77	7.9	6.2	9.4	7.8	8.8	10.4
Diseases of uterine body (%)	10.21	10.41	10.64	11.28	10.4	10.4	9.5	9.2	11.3	9.9
Diseases of ovary(%)	5.87	5.94	7.41	9.83	7.81	7.7	13.1	12.2	14.1	15.5
Diseases of menstruation (%)	16.39	11.69	10.48	9.52	10.74	9.6	7.1	7.6	6.8	6.7
Disorders of pregnancy & reproduction (%)	51.9	52.64	54.52	55.22	56.72	59.5	53.1	53.6	52.3	51.3
Major abdominal surgery for benign conditions	423	429	493	505	489	423	420	451	247*	234*
Major abdominal surgery for malignant conditions	40	73	127	163	115	132	102	117	140	159
Major vaginal operations	23	28	44	54	57	68	112	83	66*	81*
Major vulval operations	4	9	11	8	2	6	6	15	18	9
Endoscopic procedures+			280	318	504	825	833	897	1058	1027
Assisted reproduction procedures+			458	676	875	1049	1174	1252	1284	1253
Minor abdominal operations	398	405	158	143	52	16	21	6	8	4
Other minor operations	1870	1830	1899	1857	1738	1686	1523	1501	1832	1641
Death	29	39	32	23	17	9	11	17	17	14

* excluding laporascopic surgery

+ data collected only after 1993

ADMISSIONS TO GYNAECOLOGICAL WARDS



OUTPATIENTS STATISTICS

	New	Follow-up
GENERAL GYNAECOLOGY CLINICS		
Queen Mary S5 and Sai Ying Pun Specialist Clinic	3819	9542
Tsan Yuk Specialist Clinic	353	509
	New	Follow-up
SUBSPECIALTY CLINICS		
Colposcopy Clinics	711	3189
Diagnosis		
nonspecific changes in cervical smears	234	
inflammatory	99	
warts	172	
low grade squamous intraepithelial lesions	67	
high grade squamous intraepithelial lesions	109	
microinvasive carcinoma of cervix	3	
invasive carcinoma of cervix	6	
Adenocarcinoma in-situ	5	
vulval intraepithelial neoplasia	2	
vaginal intraepithelial neoplasia	3	
others	11	
Procedures		
large loop excision of transformation zone	174	
cryotherapy	12	
Male Subfertility Clinic	80	41
Menopause Clinics	112	996
Diagnosis		
surgical	24	
natural	88	
Procedures		
hormonal replacement therapy		
reasons for hormonal replacement therapy		
relief of menopausal symptoms	40	
prevention of osteoporosis/cardiovascular disease	54	
types of hormonal replacement therapy		
oestrogen only	21	
cyclical combined oestrogen and progestogen	31	
continuous combined oestrogen and progestogen	34	
others	8	
counselling	18	
bone mineral density measurement	31	

	New	Follow-up
Menstrual Disorder Clinics	121	1475
Oncology Clinics Attendances		
Gynaecology Oncology Follow-up		3190
Mole Clinic		1141
Chemotherapy Clinic		980
Ovarian Assessment Clinic	88	357
Reasons for referral		
pelvic mass on ultrasonography	73	
pelvic mass during pelvic examination	2	
screening of ovarian malignancy	5	
others	8	
Ultrasonographic diagnosis*		
simple ovarian cyst	37	
dermoid cyst	11	
endometriotic cyst	70	
mucinous cystadenoma	4	
serous cystadenoma	5	
parovarian cyst	10	
pseudocyst	21	
hydrosalpinx	21	
uterine leiomyoma	42	
pelvic mass of uncertain nature	10	
normal	53	
others	8	
Referral for operation	26	
* one patient may have more than one diagnosis		
Psychosomatic Clinic	5	15
Diagnosis		
Vaginismus	1	
Sexual dysfunction	2	
Posthysterectomy syndrome	1	
Other	1	
Subfertility Clinics	356	1506

	New	Follow-up
Urogynaecology Clinic	181	460
Cystometry	76	
Surgery		
TVT	5	
TVT+VHPFR	1	
Colposuspension	4	
Colposuspension+TAHBSO	2	
Colposuspension+sacrocolpopexy	4	
Sacrocolpopexy	3	
Referral to physiotherapist	85	

ADMISSIONS AND DISCHARGES STATISTICS

Total number of admissions	7931
Total number of admitted patients	4726

Status at admission

	Number	%
Scheduled	6319	79.7
Emergency	1391	17.5
Unplanned readmission	82	1.0
Transfer in	101	1.3

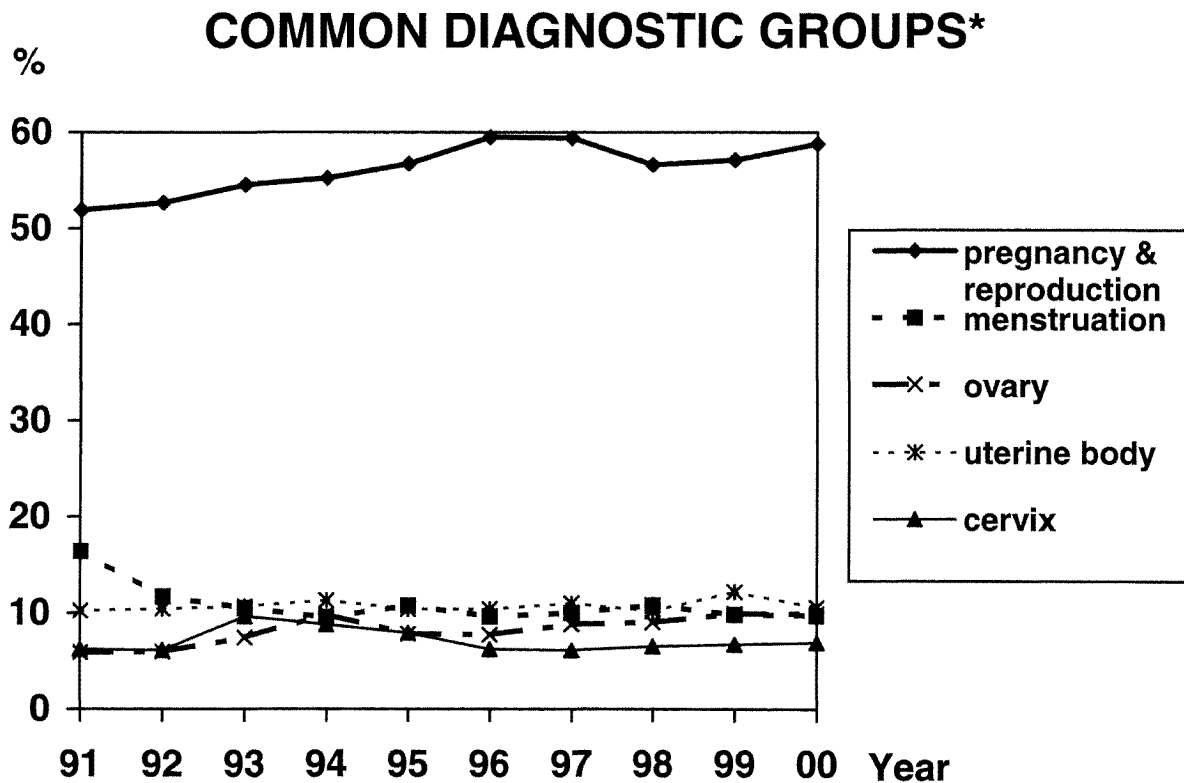
Status at discharge

	Number	%
Discharge home	7887	99.4
Transfer	3	0.0
Transfer convalescence	3	0.0
Death	14	0.2
DAMA	2	0.0

STATISTICAL SUMMARY

Diagnosis

	admissions		patients	
	number	%	number	%
Disease of vulva, perineum and urethra	178	2.2	144	3.0
Disease of vagina	76	1.0	54	1.1
Disease of uterine cervix	828	10.4	324	6.9
Disease of uterine body	789	9.9	501	10.6
Disease of fallopian tube	113	1.4	83	1.8
Disease of ovary	1228	15.5	469	9.9
Disease of broad ligament and pelvic peritoneum	103	1.3	87	1.8
Disease of genital displacement/ urinary incontinence	191	2.4	88	1.9
Disease of menstruation	533	6.7	457	9.7
Disease of pregnancy and reproduction	4065	51.3	2778	58.8
Complications in pregnancy	80	1.0	73	1.5
Miscellaneous gynaecological condition	230	2.9	213	4.5
Miscellaneous condition	330	4.2	256	5.4



*percentage of patients

Treatment	Number	%
Major abdominal surgery for benign conditions*	234	3.0
Major abdominal surgery for malignant conditions	159	2.0
Major vaginal operation*	81	1.0
Major vulval operation	9	0.1
Endoscopic procedures	1027	12.9
Colposcopic related procedures	45	0.6
Assisted reproduction procedures	1253	15.8
Minor abdominal operations	4	0.1
Other minor operations	1641	20.7
Radiotherapy	51	0.6
Other forms of treatment	4307	54.3

Complications	Number	%
Fever	2	0.0
Bowel injury	2	0.0
Urinary tract injury	4	0.1
Perforation of uterus	2	0.0
Chest infection	0	0
Urinary tract infection	2	0.0
Wound complication	2	0.0
Deep vein thrombosis	0	0
Cardiopulmonary arrest	0	0
Excessive blood loss	5	0.1
Postoperative haemorrhage	0	0
Major vascular injuring	0	0
Conversion of laparoscopic procedure to laparotomy	0	0
Others	3	0.0

* excluding laparoscopic surgery

DIAGNOSIS

Diseases of Vulva, Perineum and Urethra

	Admissions	Patients
Total	178	144
Congenital anomaly	0	0
Trauma	13	13
Infection	46	44
Benign neoplasm	10	10
Malignant neoplasm	44	20
Retention cyst	16	16
Vulval dystrophy	29	28
Urethral lesions	6	6
Miscellaneous	14	12

Diseases of Vagina

	Admissions	Patients
Total	76	54
Congenital anomaly	8	7
Trauma	4	4
Infection	6	6
Benign neoplasm	3	2
Malignant neoplasm	30	15
Retention cyst	1	1
Fistula	1	1
Vaginal intraepithelial neoplasia	5	3
Atrophic vaginitis	12	12
Miscellaneous	6	5

Diseases of Uterine Cervix

	Admissions	Patients
Total	828	324
Congenital anomaly	7	6
Trauma	0	0
Infection	17	17
Benign neoplasm	49	46
Carcinoma of cervix	672	197
new cases		67
stage I		42
stage II		17
stage III		5
stage IV		0
unstaged		1
recurrence		2
Other malignancy	0	0
Cervical intraepithelial neoplasia	75	57
Miscellaneous	5	5

Diseases of Uterine Body

	Admissions	Patients
Total	789	501
Congenital anomaly	13	11
Trauma	0	0
Infection	23	20
Fibromyoma	363	280
Carcinoma of corpus	213	86
new cases		38
stage I		25
stage II		7
stage III		4
stage IV		0
unstaged		2
recurrence		0
Other malignancy	18	15
Myohyperplasia	0	0
Endometrial polyp	68	65
Adenomyosis	46	39
Endometrial hyperplasia	24	20

Atrophic endometritis	8	7
Miscellaneous	13	10
Diseases of Fallopian Tubes		
	Admissions	Patients
Total	113	83
Acute pelvic inflammatory disease	54	54
Chronic pelvic inflammatory disease	20	20
Tuberculous salpingitis	1	1
Benign neoplasm	3	3
Malignant neoplasm	30	6
Miscellaneous	5	3
Diseases of Ovary		
	Admissions	Patients
Total	1228	469
Retention/functional cyst	30	29
Endometriotic cyst	161	135
Benign tumour/cyst	182	158
Primary malignant epithelial tumour	801	164
new cases		60
stage I		19
stage II		7
stage III		19
stage IV		5
unstaged		10
recurrence		0
Primary malignant non-epithelial tumour	35	8
Secondary malignant tumour	5	2
Borderline malignant tumour	6	6
Miscellaneous	8	7

Diseases of Broad Ligaments and Pelvic Peritoneum

	Admissions	Patients
Total	103	87
Pelvic endometriosis	77	69
Parovarian cyst	9	9
Miscellaneous	17	12

Genital Displacements / Urinary Problems

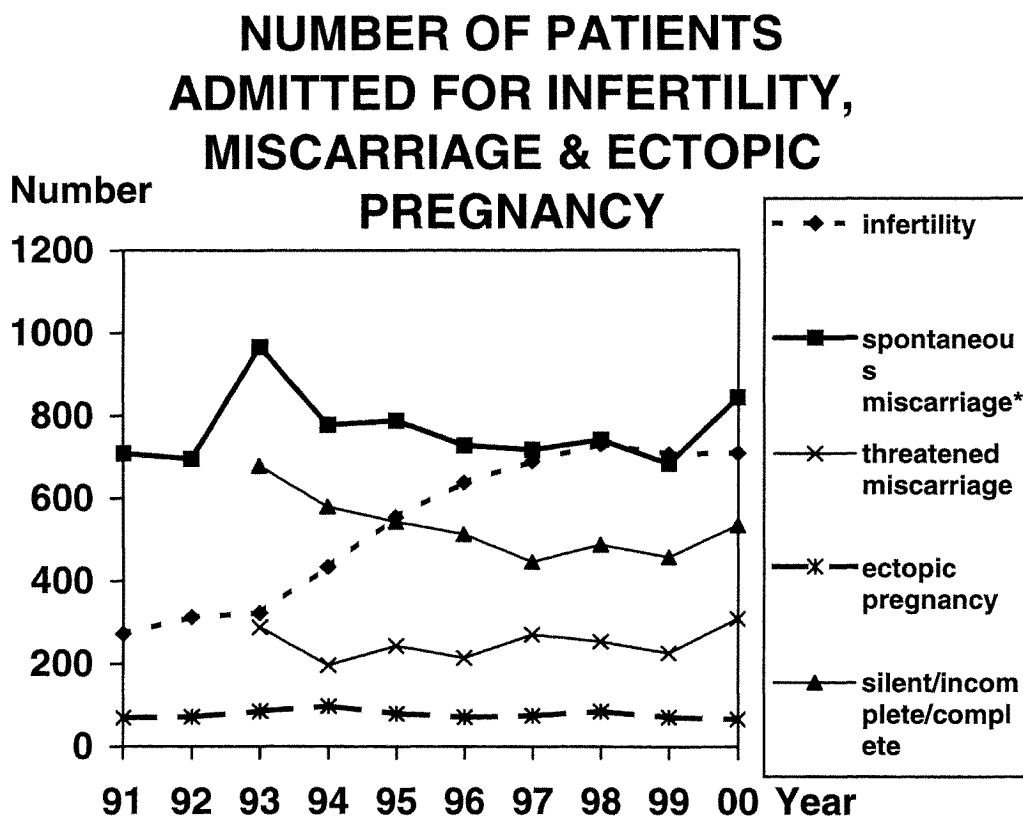
	Admissions	Patients
Total	191	88
Uterine prolapse	87	62
Cystocoele/rectocoele/enterocoele	72	57
Stress incontinence	17	14
Detrusor instability	3	3
Vault prolapse	11	11
Miscellaneous	1	1

Disorders of Menstruation

	Admissions	Patients
Total	533	457
Primary amenorrhoea	0	0
Secondary amenorrhoea	13	13
Dysfunctional uterine bleeding	373	321
Postmenopausal bleeding	116	100
Dysmenorrhoea	27	23
Miscellaneous	4	4

Disorders of Pregnancy and Reproduction

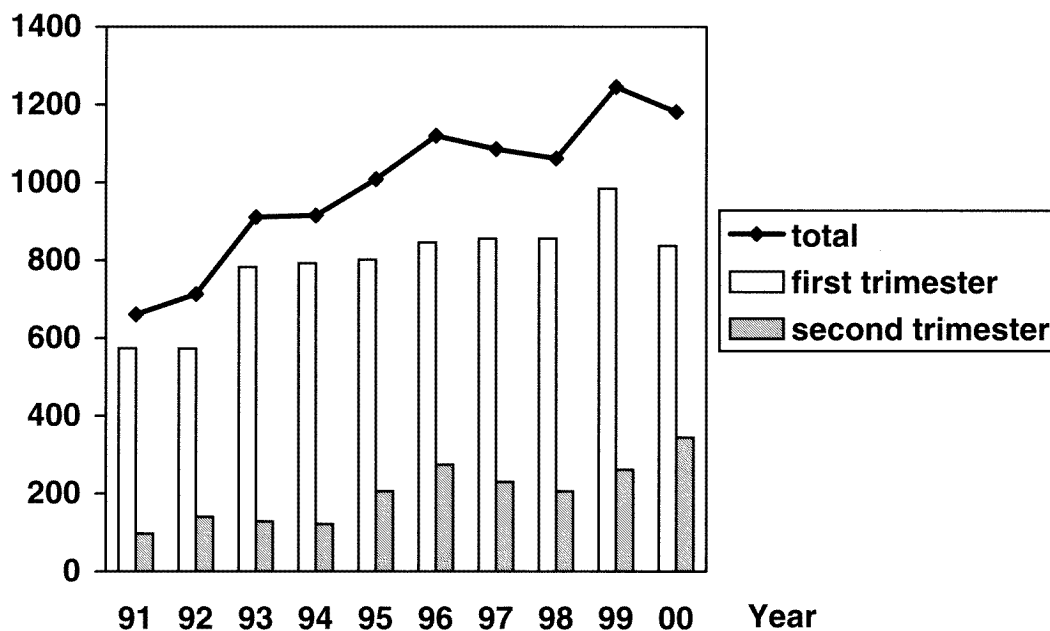
	Admissions	Patients
Total	4065	2778
Infertility	1443	709
Hyperemesis gravidarum	49	44
Threatened miscarriage	367	309
Spontaneous/silent miscarriage	576	535
Complete mole	8	7
Partial mole	6	6
Residual trophoblastic disease	77	16
Metastatic Malignant trophoblastic disease	5	3
Secondary postpartum haemorrhage	10	10
Other puerperal problems	5	5
Ectopic pregnancy	76	67
First trimester termination of pregnancy	944	837
Second trimester termination of pregnancy	394	344
Sterilization	88	85
Miscellaneous	17	16



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

TERMINATION OF PREGNANCY*

Number



*number of patients

Complications in Pregnancy

	Admissions	Patients
Total	80	73
Benign tumour of genital tract	6	5
Malignant tumour of genital tract	0	0
Medical diseases	12	10
Surgical diseases	2	2
Non-specific abdominal pain	60	57

Miscellaneous Gynaecological Conditions

	Admissions	Patients
Total	230	213
Retained IUCD	4	4
Abdominal pain of unknown cause	105	95
Complication of treatment in the same unit	83	79
Complication of treatment in other unit	21	20
Miscellaneous	17	16

Miscellaneous Conditions

	Admissions	Patients
Total	330	256
Breast disease	8	5
Urinary tract disease	90	81
Gastrointestinal tract disease	51	40
Cardiovascular disease	29	23
Respiratory tract disease	16	16
Central nervous system disease	15	13
Endocrine disease	26	22
Blood disease	28	26
Dermatological/musculoskeletal disease	13	12
Miscellaneous	54	44

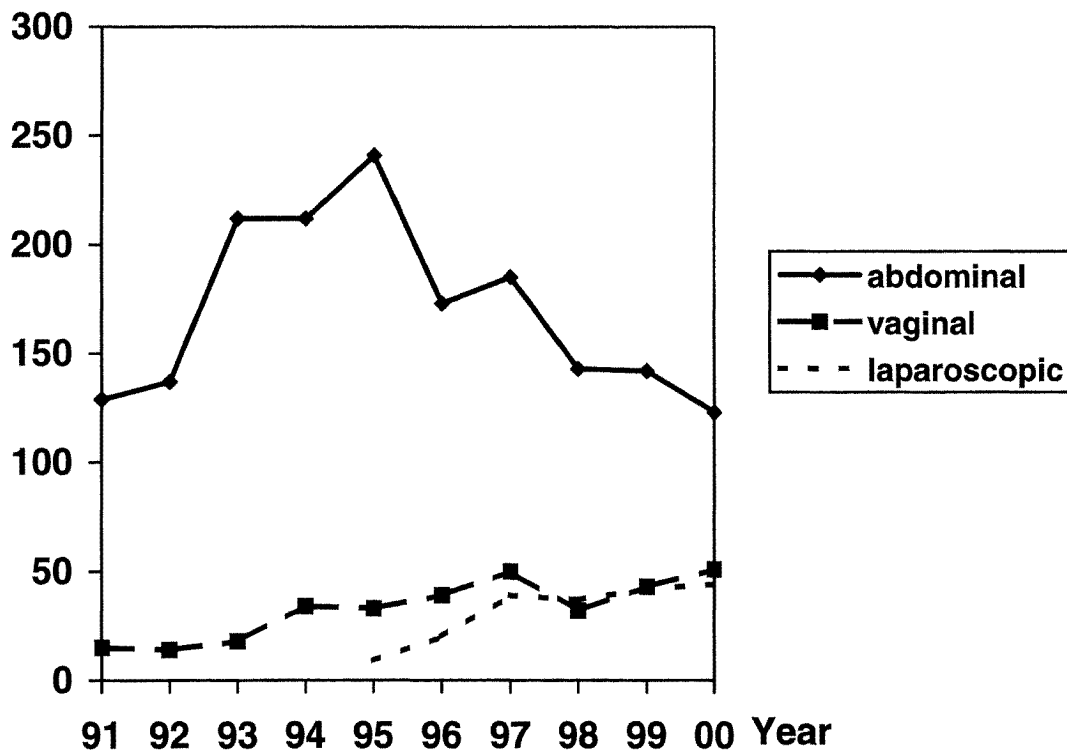
TREATMENT

Major Abdominal Surgery For Benign Conditions*

Total	234
Hysterectomy +/- salpingo-oophorectomy	123
Subtotal hysterectomy +/- salpingo-oophorectomy	0
Repair of urinary fistula	0
Myomectomy	31
Ovarian cystectomy	24
Salpingo-oophorectomy/Oophorectomy	16
Salpingectomy	13
Salpingotomy	2
Stress incontinence surgery	9
Adhesiolysis/tuboplasty	1
Drainage of pelvic abscess	2
Miscellaneous	13

HYSTERECTOMY FOR BENIGN CONDITIONS

Number



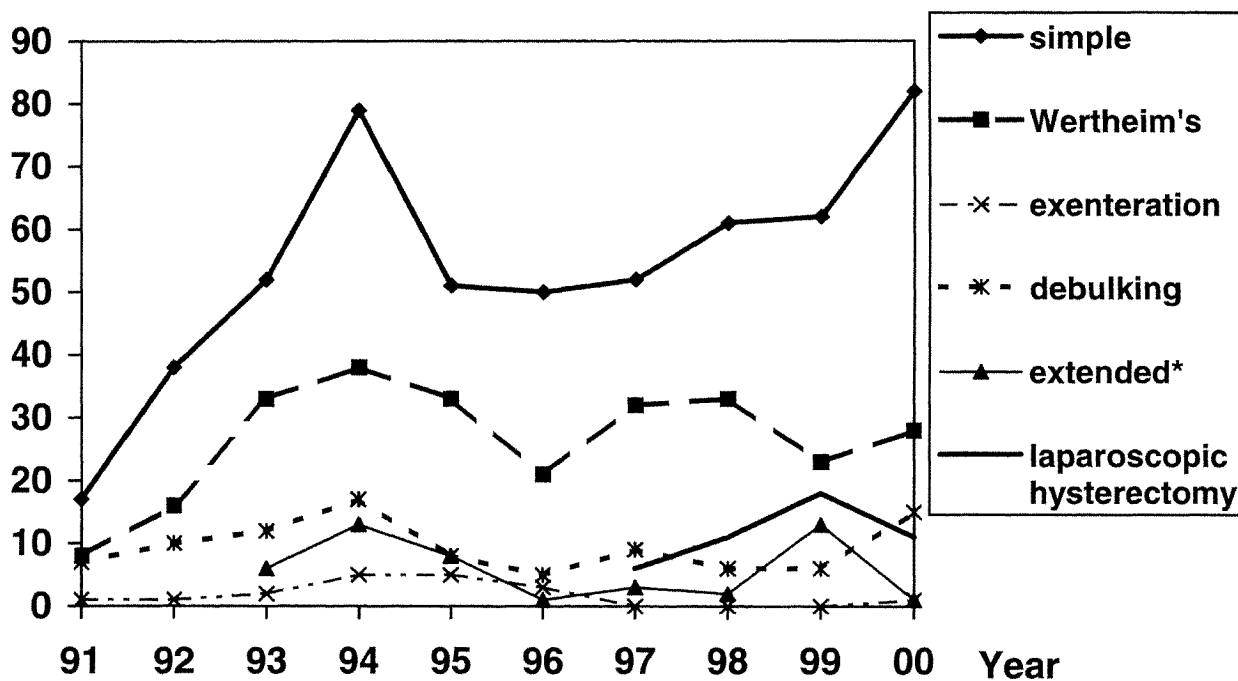
*excluding laparoscopic surgery

Major Abdominal Surgery For Malignant Conditions

Total	159
Hysterectomy +/- salpingo-oophorectomy	82
Subtotal hysterectomy +/- salpingo-oophorectomy	0
Wertheim's hysterectomy	28
Pelvic exenteration	1
Debulking	15
Extended hysterectomy	1
Oophorectomy/salpingo-oophorectomy	9
Miscellaneous	23

HYSTERECTOMY FOR MALIGNANT CONDITIONS

Number



*extended hysterectomy was grouped as simple hysterectomy before 1993

Major Vaginal Operations

Total	81
Incontinent surgery	6
Vaginal hysterectomy	13
Vaginal hysterectomy + pelvic floor repair	38
Pelvic floor repair	10
Repair of urinary fistula	0
Miscellaneous	14

Major Vulval Operations

Total	9
Radical vulvectomy	1
Simple vulvectomy	2
Wide local excision	4
Miscellaneous	2

Endoscopic Procedures

Total	1027
Diagnostic laparoscopy	158
Laparoscopic sterilization	96
LAVH/LH	55
Laparoscopic myomectomy	11
Laparoscopic ovarian cystectomy	126
Laparoscopic oophorectomy/salpingo-oophorectomy	58
Laparoscopic ovarian drilling	9
Laparoscopic salpingectomy	49
Laparoscopic salpingotomy	14
Laparoscopic adhesiolysis	22
Laparoscopic ablation/resection of endometriosis	3
Laparoscopic drainage of pelvic abscess	4
Laparoscopic lymphadenectomy	2
Other laparoscopic operations	33
Diagnostic hysteroscopy	348
Hysteroscopic polypectomy	10
Hysteroscopic myomectomy	15
Endometrial ablation	2
Other hysteroscopic operations	1
Cystoscopy	5
Miscellaneous	6

Colposcopy Related Procedures*

Total	45
Cervical Caution	1
Laser Vaporization	0
Laser Cone	0
Loop Excision	28
Cone Biopsy	14
Miscellaneous	2

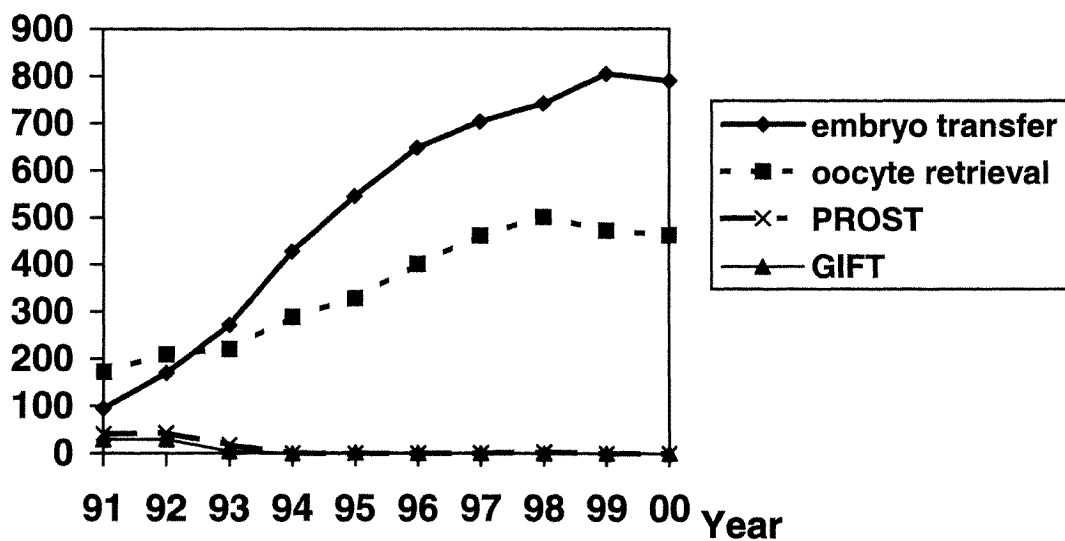
*most of the colposcopic procedures were performed as out patient

Assisted Reproduction Procedures

Total	1253
Oocyte retrieval (ultrasound guided)	463
Oocyte retrieval (laparoscopic)	0
Gamete intrafallopian transfer (GIFT)	0
Pronuclear stage transfer (PROST)	0
Embryo transfer	790
Miscellaneous	0

ASSISTED REPRODUCTION PROCEDURES

Number

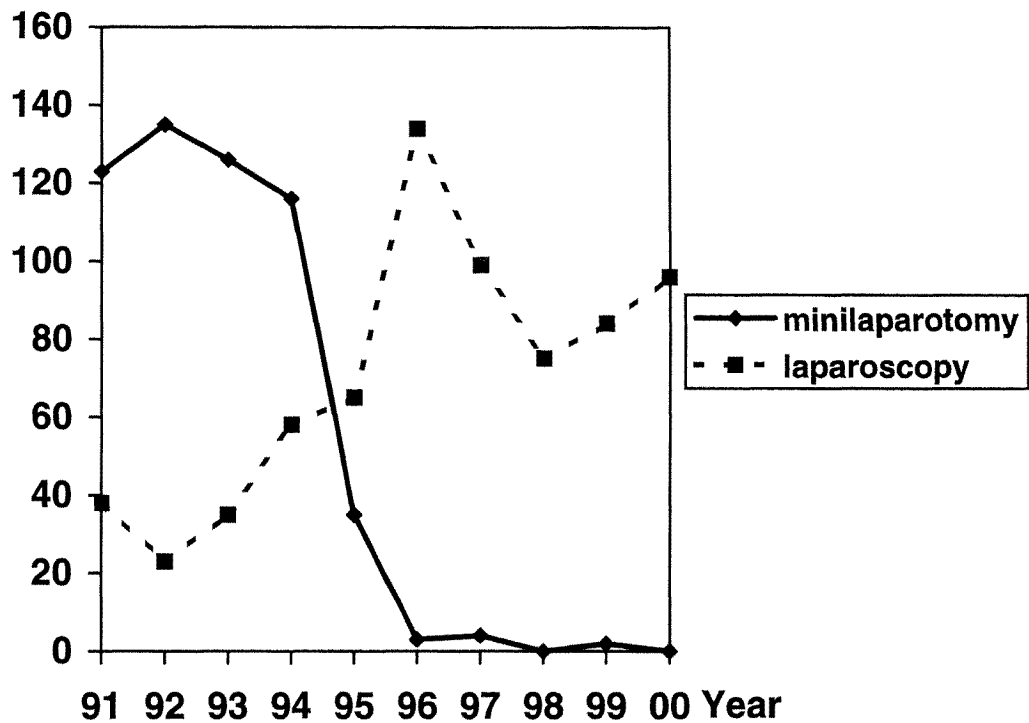


Minor Abdominal Operations

Total	4
Tubal ligation	0
Resuture of abdominal wound	1
Miscellaneous	3

MINILAPAROTOMY & LAPAROSCOPIC STERILISATION

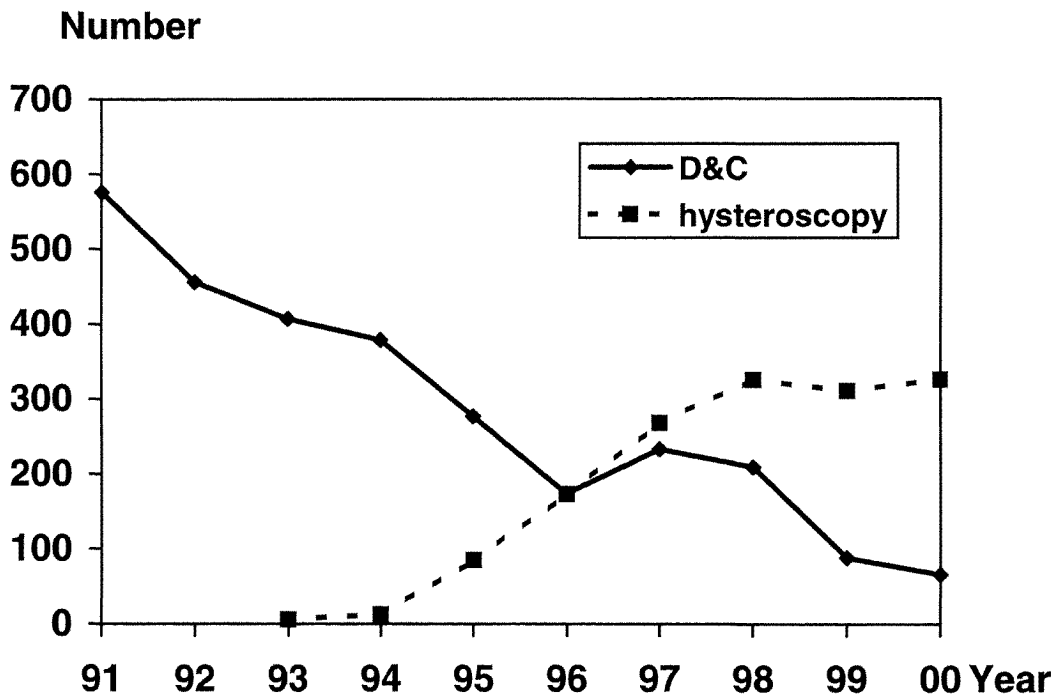
Number



Other Minor Operations

Total	1641
Dilatation and curettage / polypectomy	66
Suction termination of pregnancy	720
Evacuation of retained products of conception	424
Marsupialization	35
Cervical cerclage	1
Other vulval surgery	48
Examination under anaesthesia	11
Endometrial biopsy	195
Miscellaneous	141

D&C AND DIAGNOSTIC HYSTEROSCOPY*



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

Radiotherapy*

Total	51
Intracavitary radiotherapy	1
External radiotherapy	30
Miscellaneous	20

* 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

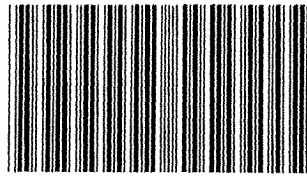
Total	4307
Observation and investigations	2552
Antibiotic as primary treatment	142
Prostaglandins	500
Hormones	98
Chemotherapy	688
Other medication	65
Miscellaneous	262

COMPLICATION RATES IN RELATION TO COMMON OPERATIONS

	Total No.	No. of Complications (%)
Selected Major Abdominal Surgery	329	6 (1.8)
Hysterectomy (for benign conditions)	123	4 (3.2)
Myomectomy	31	1 (3.2)
Ovarian cystectomy	24	1 (4.2)
Salpingo-oophorectomy/oophorectomy	16	0 (0)
Salpingectomy	13	0 (0)
Salpingotomy	2	0 (0)
Hysterectomy (for malignant conditions)	82	0 (0)
Wertheim's hysterectomy	28	0 (0)
Vaginal Hysterectomy	51	0 (0)
Laparoscopy	589	9 (1.5)
Diagnostic laparoscopy	158	0 (0)
Laparoscopic sterilization	96	1 (1.0)
LAVH/LH	55	3 (5.5)
Laparoscopic myomectomy	11	0 (0)
Laparoscopic ovarian cystectomy	126	1 (0.8)
Laparoscopic oophorectomy/salpingo-oophorectomy	58	3 (5.2)
Laparoscopic salpingectomy	49	0 (0)
Laparoscopic salpingotomy	14	1 (7.1)
Laparoscopic adhesiolysis	22	0 (0)
Hysteroscopy	376	0 (0)
Diagnostic hysteroscopy	348	0 (0)
Operative hysteroscopy	28	0 (0)
Dilatation and curettage	66	0 (0)
Suction evacuation for termination of pregnancy	720	0 (0)
Evacuation of products of conception	424	0 (0)

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
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
PROST	Pronuclear stage transfer
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
VHPFR	Vaginal hysterectomy, pelvic floor repair
VLBW	Very low birthweight



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