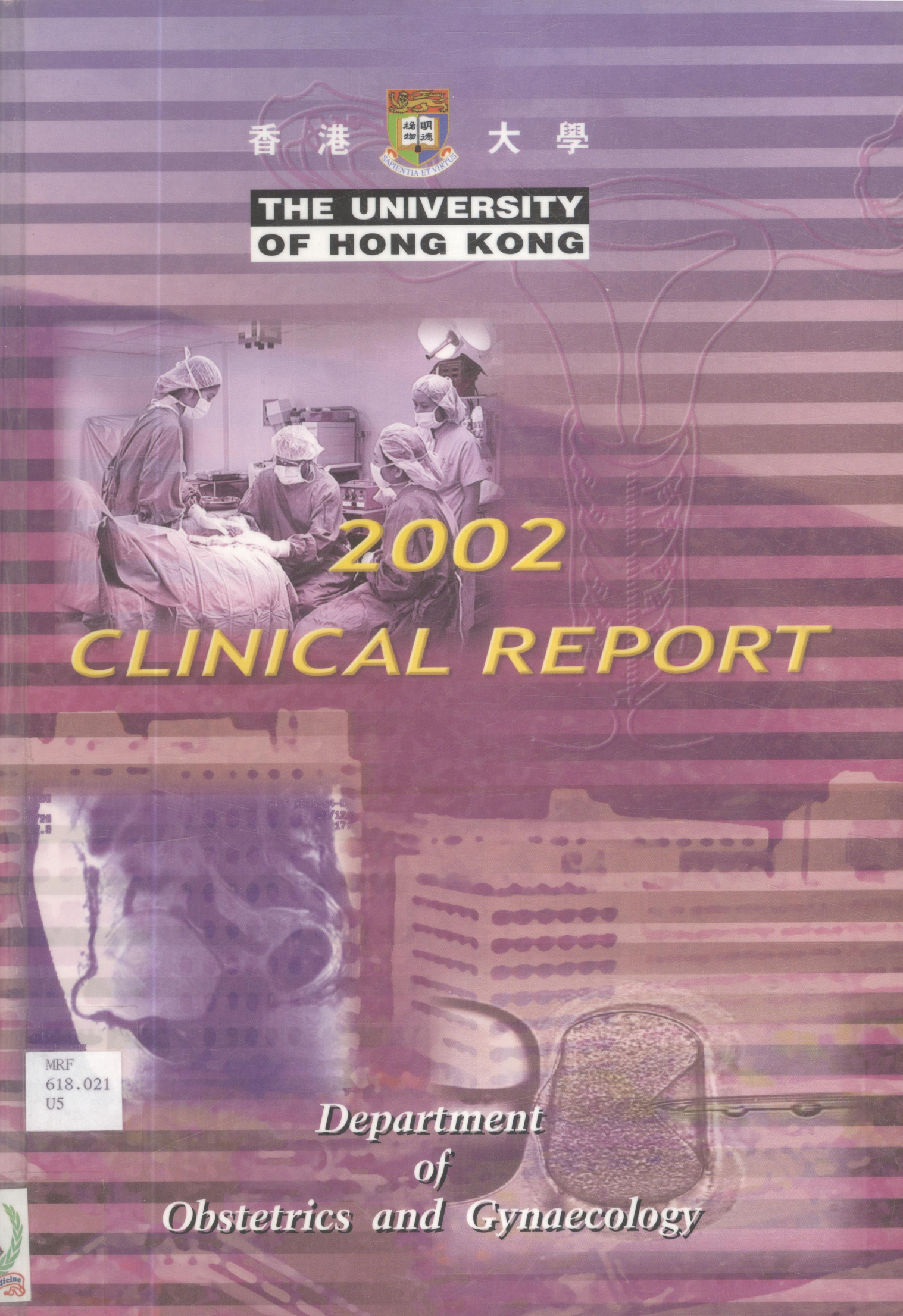


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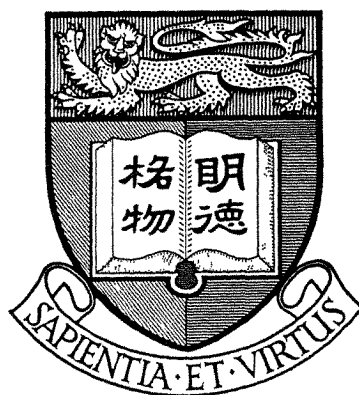
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## **Message from the Head of Department**

The obstetric inpatient service from Tsan Yuk Hospital was relocated to Queen Mary Hospital in November 2001 and the obstetric service is now running smoothly at Queen Mary Hospital. The number of deliveries in our Department has decreased further in 2002. This is consistent with the trend in Hong Kong as a whole. The Caesarean section rate and instrumental delivery rate were similar to those in 2001 while the induction rate has decreased slightly. There was a further decrease in the perinatal mortality rate to 3.4 per 1000.

The gynaecological workload has remained relatively constant. There was about 20% increase in the number of major abdominal operations for malignant conditions and there was about 18% increase in the number of patients with carcinoma of uterine corpus. There was also an increase in the number of patients with cervical intraepithelial neoplasia and 66% increase in the number of colposcopy related procedures. The number of patients at our menopause clinics has decreased. This may be related to the women's concern on the adverse effects of hormonal replacement therapy after the publication of the study from the Women's Health Initiative.

I would like to thank Dr. K.Y. 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 neonatal and outpatient statistics), Dr. Y.M. Chan and Dr. W. Lau (for the general gynaecology statistics), Dr. K.F. Tam (for the oncology statistics), Dr. O.S. Tang (for the menopause clinic statistics), Dr. E. Ng (for the reproductive medicine 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, University of Hong Kong

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**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.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	BSc.,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. 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.
Dr. E. Hon	B.Sc., M.B.,B.S. (Lond.); M.R.C.O.G. F.H.K.A.M. (O&G) (from April 2002)
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. 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.Y. Ng	M.B.,B.S. (Sing.); M.Med. (Sing.); 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.
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.
Dr. G.C.Y. Wong	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 January 2002)

**Assistant Professors and Medical Officers :**

Dr. K.K.L. Chan	M.B.B.Chir (U.K.); M.R.C.O.G.; B.A. (from June 2002)
Dr. Y. Chen	M.B. (Shanghai) (till December 2002)
Dr. E. Hon	B.Sc., M.B.,B.S. (Lond.); M.R.C.O.G. (till March 2002)
Dr. P.W. Hui	M.B.,B.S. (H.K.); M.R.C.O.G.
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. C. Ong	M.B.B.Ch. (U.K.); M.R.C.O.G.
Dr. N. Shek	M.B.B.S. (H.K.) (from July 2002)
Dr. K.Y. Tse	M.B.B.S. (H.K.)
Dr. S Yong	M.B.B.S. (Sydney); M.R.C.O.G. (till January 2003)

**Consultant Anaesthesiologists :**

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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 :**

Professor 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 :**

Professor S.W. Tang M.B.B.S.; M.B.A.; PhD; F.R.C.P. (C)  
Dip Am Board (Psychiatry) (from February 2002)

**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

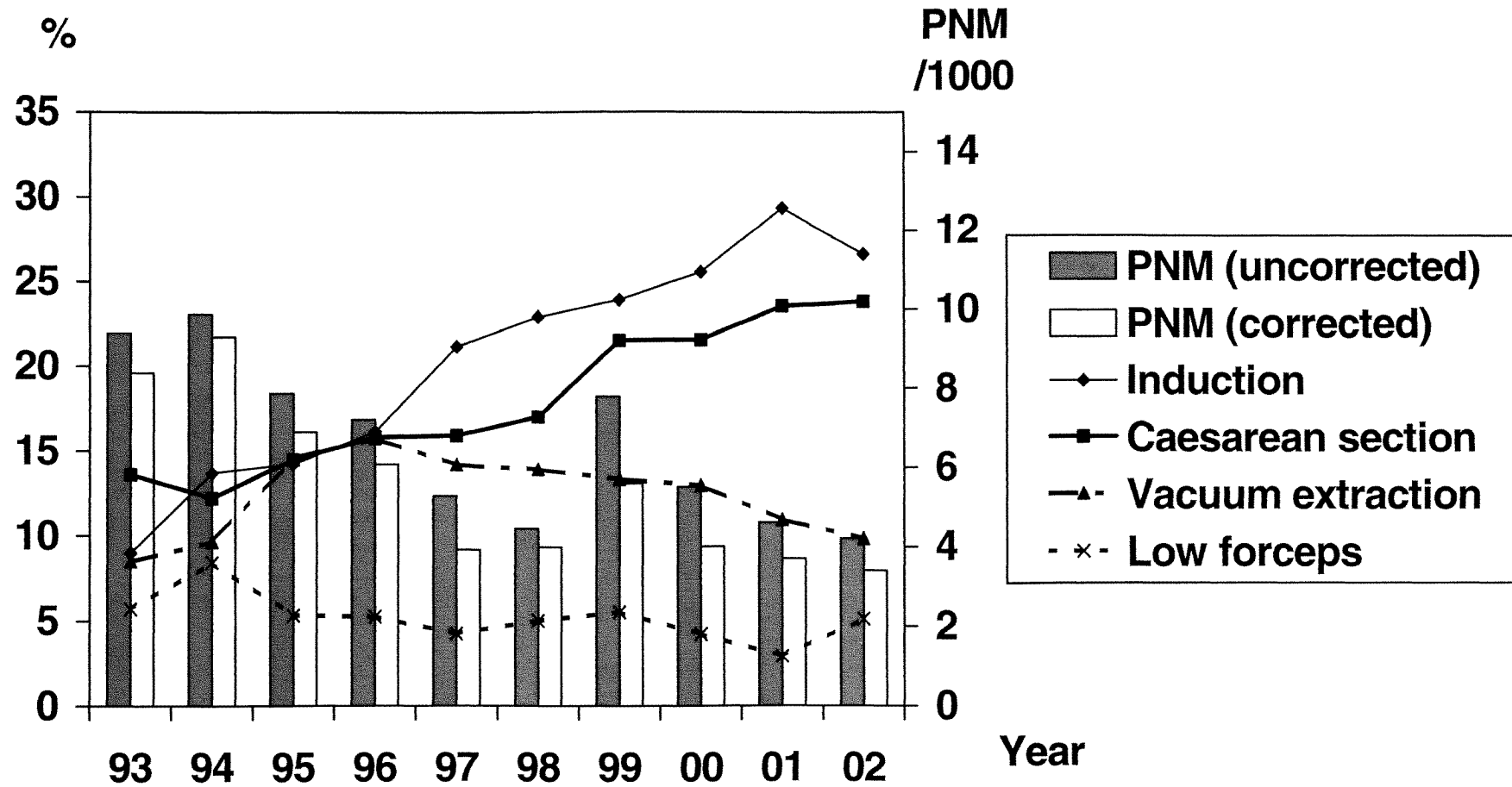
B.Sc. (Med); M.B.,B.S., Ph.D., M.D. (Syd. Hon);  
F.R.A.C.S.; F.R.C.S. (Edin.); F.A.C.S. (Hon.)

# OBSTETRICS

## COMPARATIVE STATISTICS (1993 - 2002)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
TOTAL PATIENTS DELIVERED	5393	5108	5023	5205	4861	4434	4399	4630	4006	3500
PRIMIPARAE	2728	2712	2597	2747	2555	2435	2585	2746	2285	1942
MULTIPARAE	2665	2396	2426	2458	2306	1999	1814	1884	1721	1558
PREGNANCY INDUCED HYPERTENSION	141	159	136	150	106	139	119	95	92	110
ECLAMPSIA	1	4	1	1	3	1	2	2	0	4
ACCIDENTAL HAEMORRHAGE	10	24	20	33	32	16	7	6	10	10
PLACENTA PRAEVIA	39	28	46	54	45	36	39	41	48	47
POSTPARTUM HAEMORRHAGE	141	241	158	140	117	80	110	106	72	45
INDUCTION OF LABOUR(%)	9.0	13.7	14.2	16.1	21.1	22.9	23.9	25.5	29.3	26.6
VACUUM EXTRACTION(%)	8.5	9.6	14.5	15.7	14.2	13.9	13.3	12.9	10.9	9.8
FORCEPS DELIVERY(%)	5.7	8.4	5.3	5.2	4.3	5.0	5.5	4.2	2.9	5.1
CAESAREAN SECTION(%)	13.6	12.2	14.4	15.8	15.9	17.0	21.5	21.5	23.5	23.8
MATERNAL DEATHS	0	2	1	2	0	0	1	1	0	1
INFANTS BORN IN HOSPITAL	5420	5137	5063	5249	4914	4481	4473	4704	4065	3563
INFANTS BORN BEFORE ADMISSION	34	28	24	26	16	18	14	9	10	4
TOTAL INFANTS BORN	5454	5165	5087	5275	4930	4499	4487	4713	4075	3567
STILLBIRTH RATE (PER 1000 TOTAL DELIVERIES)	5.9	5.8	4.9	4.2	4.1	2.9	5.4	4.5	2.5	3.6
NEONATAL DEATH RATE (PER 1000 LIVEBIRTHS)	4.6	5.3	4.2	3.8	1.4	1.6	2.7	1.5	2.2	1.1
PERINATAL DEATH RATE (PER 1000 LIVEBIRTHS)	9.4	9.9	7.9	7.2	5.3	4.5	7.8	5.5	4.7	4.2
CORRECTED PERINATAL DEATH RATE (EXCLUDING NON-BOOKED CASES WITH IUD ON ADMISSION)	8.4	9.3	6.9	6.1	3.9	4.0	5.6	4.0	3.7	3.4

# INTERVENTION RATES & PERINATAL MORTALITY 1993-2002



## STATISTICAL SUMMARY

	Tsan Yuk Hospital	Queen Mary Hospital
Obstetric Clinic Attendance		
Antenatal new cases	3465	246
Antenatal follow-up cases	12193	1273
Postnatal cases*	1080	215
Postnatal follow-up cases	417	-
Combined diabetic clinic	-	929
Combined medical clinic	-	344
Private	-	12
Second Trimester Routine Scan	1560	-
Day Centre Attendance		
Cardiotocogram	542	4
Oral glucose tolerance test	2573	371
Sugar profile	659	-
Blood pressure monitoring	156	-
Removal of stitches	-	1547
Wound inspection	-	303
Miscellaneous	6911	4549
		-
Deliveries		3500
Booked		3262
Primiparae		1805
Multiparae		1457
Non-booked		238
Primiparae		137
Multiparae		101

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

## PATIENTS CHARACTERISTICS

Ethnic origin:	Chinese	Number	%
	Non-Chinese	2936	83.89
Average Age (yr.):	Primiparous	564	16.11
	Multiparous	28.88	
	Total	31.97	
Parity at booking:	Primiparous	Number	%
	Multiparous	1942	55.49
Average height(cm):		1558	
Average pre-pregnant weight(kg):		65	
Education level:	None	Number	%
	Primary	64	1.83
	Secondary	291	8.31
	Tertiary	2295	65.57
Smoking habit:	Nonsmokers	795	22.71
	=<20 per day	Number	%
	>20 per day	3412	97.49
Family income(HK dollars*1000):		84	2.40
		3	0.09
			19.55

## CONGENITAL ANOMALY OF GENITAL AND URINARY TRACT

Total number of cases	0
Incidence (%)	0.00

## CARDIAC DISEASES

Total number of cases	104
Incidence (%)	0.03

	Number	%
Rheumatic heart disease	0	0.00
Congenital heart disease	12	0.34
Mitral valve prolapse	6	0.17
Arrhythmia	5	0.14
Others	81	2.31

## GESTATIONAL DIABETES\* & PRE-EXISTING DIABETES MELLITUS

	Gestational DM*		Pre-existing
	IGT#	DM#	DM
Total number of cases	339	40	12
Incidence(%)	9.69	1.14	0.34
Total no of babies	352	46	12
Incidence of CS	108	23	5
Stillbirth	1	0	0
Neonatal death	0	0	0
Perinatal death	1	0	0
Large for date babies	41	6	0
(%)	11.65	13.04	0.00
Small for date babies	48	7	4
(%)	13.64	15.22	33.33

\* According to the International Workshop Conference on Gestational Diabetes

# According to WHO criteria (1980)

## **BLOOD DISORDERS**

	Number	%
Anaemia	189	5.40
Iron deficiency	64	1.83
Alpha-thalassaemias	55	1.57
Beta-thalassaemias	39	1.11
Fe def. & thalassaemias	0	0.00
Others	99	2.83

## **RENAL DISEASES**

Total number of cases	11
Incidence (%)	0.31

## **LIVER DISEASES**

Total number of cases	5
Incidence (%)	0.14

## **RESPIRATORY DISEASES**

Total number of cases	30
Incidence (%)	0.86

## **GASTROINTESTINAL/GALL BLADDER DISEASES**

Total number of cases	4
Incidence (%)	0.11

## **EPILEPSY**

Total number of cases	4
Incidence (%)	0.11

## **OTHER NEUROLOGICAL DISEASES**

Total number of cases	4
Incidence (%)	0.11



## **PSYCHIATRIC DISEASES**

Total number of cases	13
Incidence (%)	0.37

## **AUTOIMMUNE DISEASES**

Total number of cases	11
Incidence (%)	0.31

## **THYROID DISEASES**

Total number of cases	69
Incidence (%)	1.97

## **SURGICAL DISEASES**

Total number of cases	4
Incidence (%)	0.11

## **MALIGNANT DISEASES**

Total number of cases	3
Incidence (%)	0.09

## **SEXUALLY TRANSMITTED DISEASES**

Total number of cases	23
Incidence (%)	0.66

Types	Cases
Syphillis	2
Gonorrhoea	2
Herpes	3
Condyloma acuminata	1
Chlamydia	12
Combination of above/others	3

## OTHER INFESTATIONS/INFECTIONS

Total number of cases	230
Incidence (%)	6.57

Types	Cases
Moniliasis	91
Trichomoniasis	6
Combination/others	133

## OTHER ASSOCIATED CONDITIONS

	Cases	%
Hyperemesis gravidarum	1	0.03
Skin diseases	5	0.14
Kyphoscoliosis	0	0.00
Incompetent os	2	0.06
Drug addiction	5	0.14
Rhesus negative mothers	29	0.83
Others	101	2.89

## HYPERTENSION IN PREGNANCY\*

Total number of cases	139
Incidence (%)	3.97
Primiparous	83
Multiparous	56

Type	Cases	Induced labour	Caesarean# section	SB#	NND#	PND#
Gestational HT	80	30	39	0	1	1
G. Proteinuria	9	5	3	0	0	0
G. P. HT	30	12	23	1	0	1
Chronic HT	7	3	2	0	0	0
C. HT with PET	2	1	0	0	0	0
Unclassifid HT/P	21	8	7	0	0	0
Eclampsia	5	1	5	0	0	0

Perinatal Mortality = 14.0 /1000 total births

\*according to Davey & MacGillivray(1988)

#No. of babies

## HYPERTENSION IN PREGNANCY\*

Total number of cases	139
Incidence (%)	3.97
Primiparous	83
Multiparous	56

Type	Cases	Induced labour	Caesarean# section	SB#	NND#	PND#
Gestational HT	80	30	39	0	1	1
G. Proteinuria	9	5	3	0	0	0
G. P. HT	31	13	24	1	0	1
Chronic HT	7	3	2	0	0	0
C. HT with PET	2	1	0	0	0	0
Unclassified HT/P	21	8	7	0	0	0
Eclampsia	4	0	4	0	0	0

Perinatal Mortality = 14.0 /1000 total births

\*according to Davey & MacGillivray(1988)

#No. of babies

## PRETERM DELIVERIES

Total number of cases			220
Incidence (%)			6.19
Parity	Total	Cases	%
Primiparous	1983	120	6.10
Multiparous	1584	100	6.31
Outcome		Cases	Rate (per 1000)
Stillbirth-ante partum		9	40.72
Stillbirth-intrapartum		0	0.00
Stillbirth-undetermined		1	4.52
Neonatal death		2	9.05
Perinatal death		11	49.77
Mode of delivery		Cases	%
Spontaneous vaginal delivery		85	38.46
Vacuum extraction		2	0.90
Low forceps		10	4.52
Vaginal breech delivery		8	3.62
Elective caesarean section		15	6.79
Emergency CS & others		100	45.25
Birth weight		Cases	%
<2500 g		124	56.11
<1500 g		35	15.84
<1000 g		22	9.95
Number of pregnancies	Total	Cases	%
Singleton	3434	164	4.77
Multiple pregnancies	133	57	42.86

## NEONATAL COMPLICATIONS

	Cases	%
Admission to ICU >24 hours	43	19.46
Congenital abnormality	11	4.98
Major infection	7	3.17
Respiratory distress syndrome	17	7.69
Intraventricular haemorrhage	18	8.14
Necrotising enterocolitis	15	6.79

## MULTIPLE GESTATION

Total cases	65
Incidence (%)	1.86
Primiparous	42
Multiparous	23
Twins	62
Triplets	3
Quadruplets & higher order	0
Total number of babies	133
Preterm < 37 weeks	57
> = 37 weeks	76
Induced labour	12
Incidence of induced labour	18.46

### Mode of delivery versus number of babies

	1st baby	2nd baby	3rd baby
Spontaneous vaginal	12	6	0
Vacuum extraction	4	4	0
Low forceps	7	8	0
Vaginal breech delivery	0	5	0
Other vaginal delivery	0	0	0
Caesarean section & others	42	42	3

### Outcome of fetus versus number of babies

	1st baby	2nd baby	3rd baby
Livebirths	63	64	3
Stillbirth - antepartum	2	1	0
Stillbirth - intrapartum	0	0	0
Stillbirth - undetermined	0	0	0
Neonatal death	0	1	0
Perinatal death	2	2	0

## POSTPARTUM HAEMORRHAGE

Total number of cases	45
Incidence (%)	1.29
Primiparous	25
Multiparous	20

Types	Cases	%
Primary PPH	44	1.26
Secondary PPH	1	0.03

### Causes of Primary PPH

Causes	Cases
Uterine atony	22
Retained gestational product	6
Ruptured uterus	0
Cervical tear	1
Vaginal tear	5
Perineal wound	5
Genital haematoma	7
Uterine inversion	0
Consumptive coagulopathy	0
Others	1

### Causes of Secondary PPH

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

## MANUAL REMOVAL OF PLACENTA

Total number of cases	25
Incidence (%)	0.71

**POSTPARTUM ANAEMIA\***

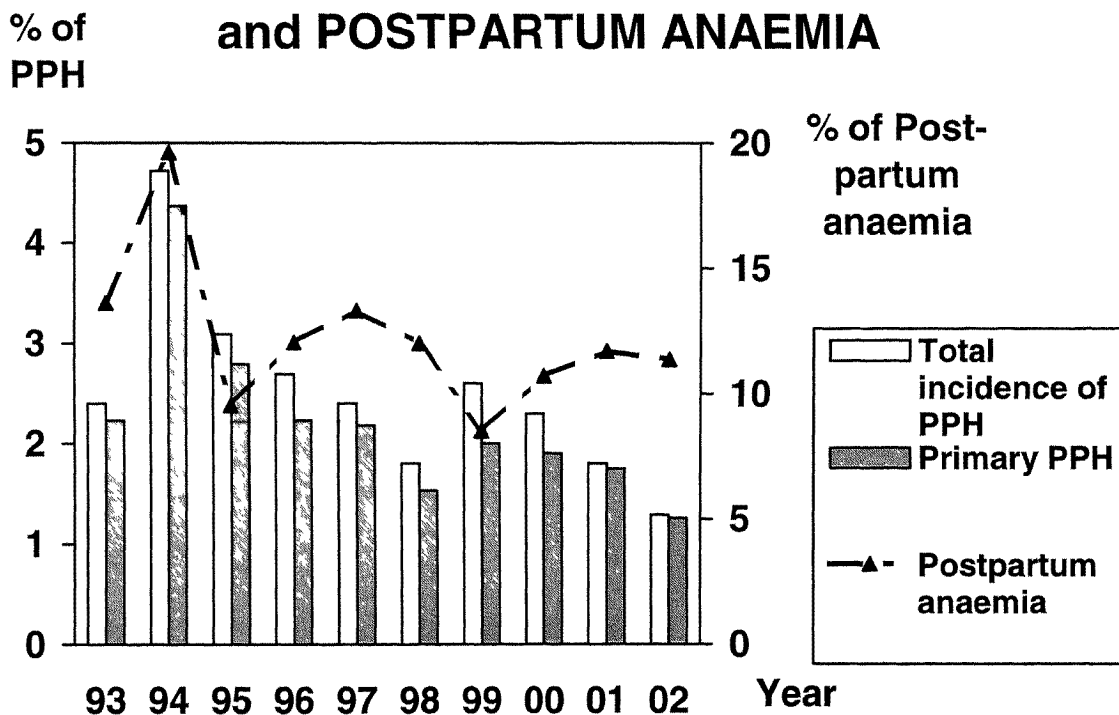
	Total	Cases	Incidence(%)
Primiparous	1942	249	12.82
Multiparous	1558	149	9.56
Total	3500	398	11.37

Mode of delivery#	Total	Cases	Incidence(%)
Spontaneous vaginal	2178	244	11.20
Vacuum extraction	348	54	15.52
Low forceps	181	29	16.02
Vaginal breech	11	2	18.18
Elective CS	285	21	7.37
Emergency CS & others	564	50	8.87

\*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				94
Incidence (%)				2.69
Primiparous				63
Multiparous				31
Causes				
Reactionary				15
Breast problem				9
Urinary tract infection				9
Genital tract infection				12
Wound infection				2
Other causes				13
Unknown				44
Mode of delivery				
	Total*	Cases*	Incidence(%)	
Spontaneous vaginal	2178	21	0.96	
Vacuum extraction	348	6	1.72	
Low forceps	181	3	1.66	
Vaginal breech	11	0	0.00	
Elective caesarean section	285	11	3.86	
Emergency CS and others	564	55	9.75	

\*No of babies

## OTHER COMPLICATIONS

	Cases	%
Third degree tear	9	0.26
Other genital tract trauma	7	0.20
Ruptured uterus without PPH	0	0.00
Hysterectomy	2	0.06



## INDUCTION OF LABOUR

Total number of cases			932
Incidence (%)			26.60
Parity	Total	Cases	Incidence(%)
Primiparous	1942	648	33.37
Multiparous	1558	284	18.23
Outcome of babies		Cases	
Stillbirth - antepartum		5	
Stillbirth - intrapartum		0	
Stillbirth - undetermined		1	
Neonatal deaths		1	
Perinatal deaths		6	
Mode of delivery		Cases	%
Spontaneous vaginal		519	55.04
Vacuum extraction		138	14.63
Low forceps		70	7.42
Vaginal breech		6	0.53
Caesarean section		211	22.38
Total*		944	
Outcome of Induction#		Cases	%
Successful		780	83.69
Failure		152	16.31

\*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	18	16
Maternal disease	4	4
Bad obstetric history	0	2
Past term	152	82
Hypertension ass. with pregnancy	32	13
Premature rupture of membranes	303	101
Antepartum haemorrhage	8	6
Multiple pregnancy	7	0
Suspected IUGR	12	10
Intrauterine death	2	2
Fetal anomaly	1	0
Suboptimal Cardiotocogram	48	23
Social reason	0	0
Others	92	46

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

Induction delivery interval (mean) 8.34 hours

Induction delivery interval in whole group

	Number	%
1-10 hours	639	67.83
11-20 hours	298	31.63
>20 hours	5	0.53

## TYPES OF LABOUR

### Outcome of fetus versus types of labour

Type	not in labour	spon. onset	augmented labour	induced labour	total
Total births	488	1920	215	944	3567
Stillbirth rate/1000	2 4.10	3 1.56	1 4.65	7 7.42	13 3.64
NN death rate/1000	2 4.10	1 0.52	0 0.00	1 1.06	4 1.12
PN death rate/1000	5 10.25	3 1.56	1 4.65	6 6.36	15 4.20

### Mode of delivery versus types of labour

Mode of delivery	not in labour	spon. onset	augmented labour	induced labour	total
Total births	488	1920	215	944	3567
Spontaneous vaginal (%)	0 0.00	1567 81.61	92 42.79	519 54.98	2178 61.06
Vacuum extract (%)	0 0.00	169 8.80	41 19.07	138 14.62	348 9.77
Low forceps (%)	0 0.00	94 4.90	17 7.91	70 7.42	181 5.07
Vaginal breech (%)	0 0.00	5 0.26	0 0.00	6* 0.64	11 0.31
CS & others (%)	488 100.00	85 4.43	65 30.23	211 22.35	849 23.80

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

## OBSTETRIC ANALGESIA DURING LABOUR

Patients with Intrapartum Epidural	403	
Primiparous	343	
Multiparous	60	
Epidural Rate	11.51	
	Number	%
Number with induction of labour	226	56.08
	Number	%
Mode of delivery		
Normal spontaneous	132	32.04
Vacuum extraction	97	23.54
Forceps delivery	43	10.44
Vaginal breech delivery	1	0.24
Caesarean section	139	33.74
	First	Second
Duration of first and second stages (in minutes)		
Without epidural	208	28
With epidural	274	77

## PREGNANCY FOLLOWING PREVIOUS CAESAREAN SECTION

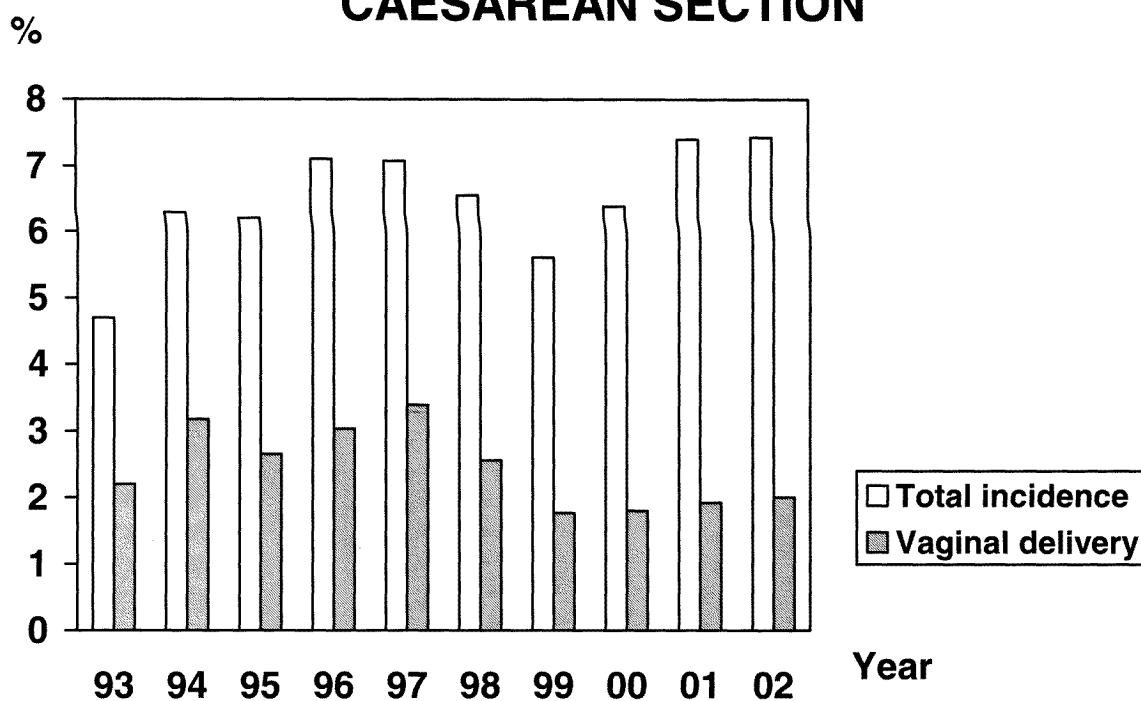
Total number of cases	260
Incidence (%)	7.43

Outcome of fetus	Cases*	Rate
Stillbirth	1	3.79
Neonatal death	1	3.79
Perinatal death	1	3.79

Mode of delivery	Cases*	%
Spontaneous vaginal delivery	53	20.38
Vacuum extraction	8	3.08
Low forceps	8	3.08
Vaginal breech delivery	0	0.00
Elective caesarean section	124	47.69
Emergency CS & others	71	27.31

\*No of babies

## PREGNANCY FOLLOWING PREVIOUS CAESAREAN SECTION

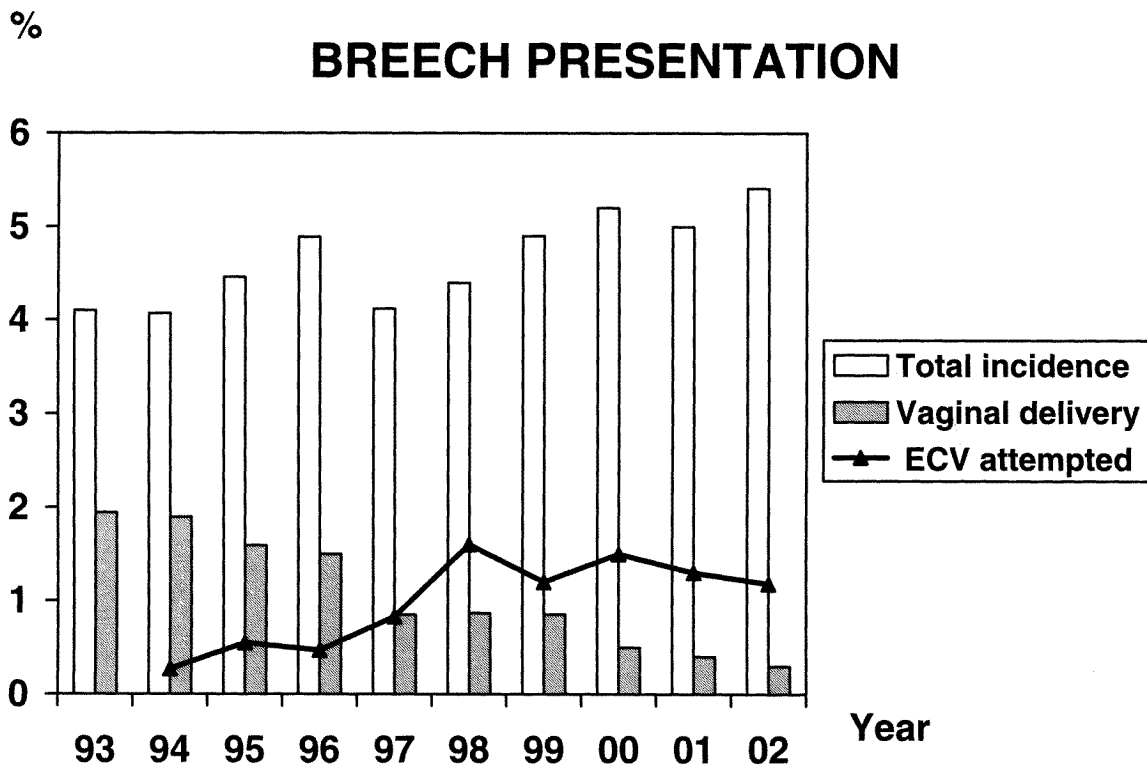


## BREECH PRESENTATION

At delivery			
Total number of cases			193
Incidence (%)			5.41
Parity	Total	Cases	%
Primiparous	1983	114	5.75
Multiparous	1584	79	4.99
Outcome		Cases	Rate (per 1000)
Stillbirth-antepartum		4	20.73
Stillbirth-intrapartum		0	0.00
Stillbirth-undetermined		0	0.00
Neonatal death		0	0.00
Perinatal death		4	20.73
Mode of delivery		Cases	%
Assisted breech delivery		10	5.18
Other vaginal breech delivery		1	0.52
Elective caesarean section		103	53.37
Emergency CS & others		79	40.93
Gestational age at delivery	Total	Cases	%
<37 weeks	220	41	18.64
37-40 weeks	2937	152	5.18
>40 weeks	410	0	0.00
Number of pregnancies	Total	Cases	%
Singleton	3434	164	4.78
Multiple pregnancies	133	29	21.80

## External Cephalic Version (ECV)

Parity	Cases	Successful	Successful %
Primiparous	23	11	47.83
Multiparous	19	10	52.63
Total	42	21	50.00



**MALPRESENTATION OTHER THAN BREECH PRESENTATION\***

Total number of cases 24  
 Incidence (%) 0.67

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	1	2	10
<b>Total</b>	<b>1</b>	<b>2</b>	<b>21</b>

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

\*Excluding malposition of occiput.

## PROLAPSE & PRESENTATION OF UMBILICAL CORD

Total number of cases			2
Incidence (%)			0.06
Outcome of fetus		Cases	%
Stillbirth - antepartum		0	0.00
Stillbirth - intrapartum		0	0.00
Stillbirth - undetermined		0	0.00
Neonatal death		0	0.00
Perinatal death		0	0.00
Mode of presentation	Total	Cases	%
Vertex	3341	2	100.00
Breech : extended leg(s)	97	0	0.00
flexed legs	90	0	0.00
footling	4	0	0.00
Face/brow	1	0	0.00
Compound	2	0	0.00
Transverse/oblique	19	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		2	100.00



## MODE OF OPERATIVE DELIVERY

Total number of cases	1378
Incidence (%)	38.63

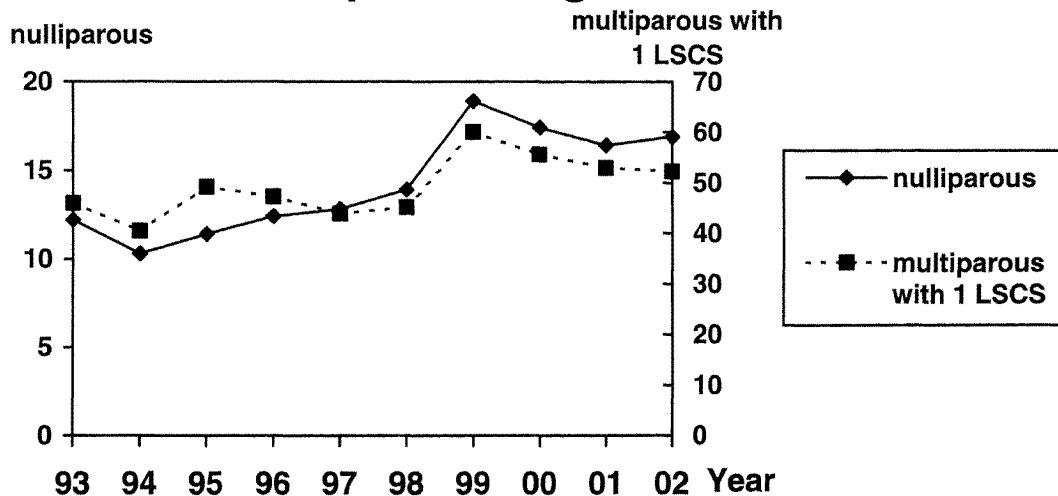
Parity	VE	Forceps	CS
Primiparous	286	142	517
Multiparous	62	39	332
Total	348	181	849
Incidence (%)	9.76	5.07	23.79

Types of abdominal delivery	Number
Elective LSCS	285
Elective classical CS	0
Emergency LSCS	563
Emergency Classical CS	1
Caesarean hysterectomy	0
Others (laparotomy etc.)	0

LSCS in term, singleton, vertex presenting fetuses	Number	CS	%
Nulliparous parturients	1949	329	16.9
Multiparous parturients with 1 previous LSCS	223	117	52.3

Outcome of fetus	VE	LF	Elective CS	Emergency CS & others
Livebirths	348	181	285	562
Stillbirths	0	0	0	2
Neonatal death	0	0	1	1
Perinatal death	0	0	1	3

## LSCS rate in term, singleton, vertex presenting fetuses



### INDICATIONS FOR ASSISTED DELIVERY\*

Indication	VE	LF
Maternal disease	0	2
Maternal distress	6	4
Previous caesarean section	0	0
Obstetric complications	0	0
Fetal distress	114	98
Cord prolapse	0	0
Prolonged second stage	231	72
Others	9	11

### INDICATIONS FOR CAESAREAN SECTIONS

Indication	CS
GDM/DM	5
Maternal disease	2
Previous uterine scar	161
Bad obstetric history	2
Antepartum haemorrhage	66
Hypertension	38
Multiple pregnancy	82
Fetal distress	81
Cord prolapse	2
Intrauterine growth retardation	21
Malpresentation/lie	158
No progress	61
Cephalopelvic disproportion	52
Contracted/unfavourable pelvis	1
Failed instrumental delivery	5
Tumour/anomaly	0
Failed induction	104
Elderly/Infertility	0
Suspected macrosomia	1
Social reason	0
Others	126

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

### APGAR SCORE AT BIRTH VERSUS MODE OF DELIVERY\*

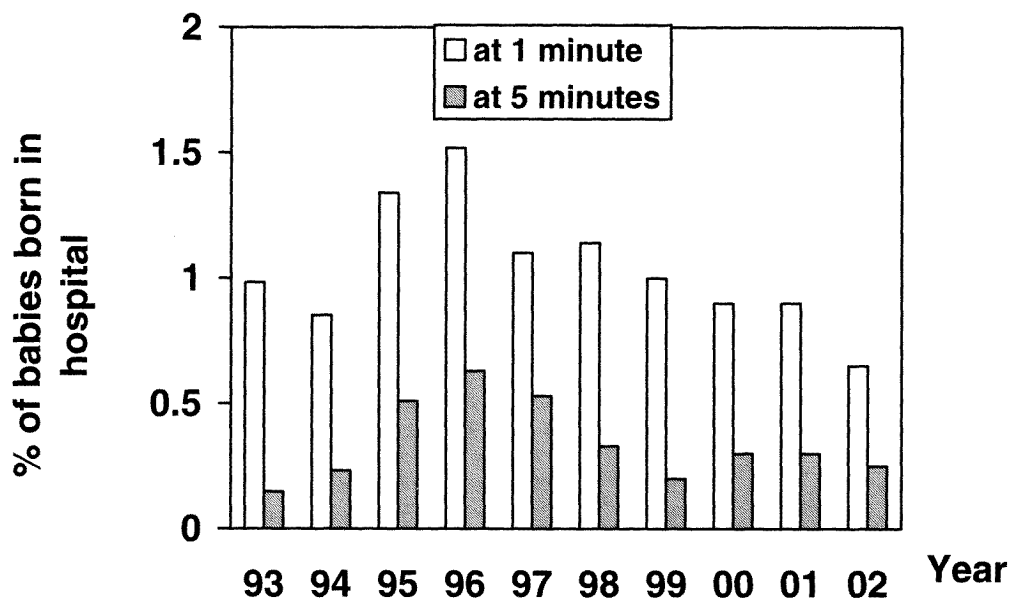
Apgar score at 1 minute

Method of delivery	AS <4	AS 4-6	AS >6	Subtotal
Spontaneous vaginal	7	51	2115	2173
Vacuum extraction	1	34	313	348
Low forceps	2	19	161	182
Vaginal breech	2	3	6	11
Elective CS	0	11	274	285
Emergency CS & others	10	76	478	564
Total	22	194	3347	3563
%	0.65	5.44	93.91	

Apgar score at 5 minute

Method of delivery	AS <4	AS 4-6	AS >6	Subtotal
Spontaneous vaginal	4	3	2166	2173
Vacuum extraction	0	0	348	348
Low forceps	0	3	179	182
Vaginal breech	1	1	9	11
Elective CS	0	0	285	285
Emergency CS & others	3	6	555	564
Total	8	13	3542	3563
%	0.25	0.36	99.38	

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



\*Excluding babies born before arrival

## **Maternal Death**

Madam CCM, a 31-year-old Chinese woman, was first seen in the antenatal clinic of Tsan Yuk Hospital at 13 weeks of gestation in her second pregnancy. She had one first trimester termination of pregnancy in 2001. She did not give any previous history of psychiatric illness. She was a clerk and her husband was a technician. This was a planned pregnancy. Her antenatal booking blood results were all normal. An ultrasound examination was performed at 21 weeks of gestation and the findings were normal. Her result of integrated screening test for Down's syndrome was negative. She had shared care between Tsan Yuk Hospital and Maternal and Child Health Clinic during her uneventful antenatal course.

She was admitted to our Obstetric ward in Queen Mary Hospital at 39 weeks of gestations for show and abdominal tightening. She went into labour and had a normal spontaneous vaginal delivery after labouring for four and a half hours. She delivered a healthy female infant of birthweight 3300g with good Apgar Scores at first & fifth minutes of life.

She was well after delivery and discharged with her baby on day 3. She attended the day centre of Queen Mary Hospital on day 5 for wound inspection. No unusual signs and symptoms were noted. Her postnatal depression scores (8 on both day 3 and day 5) showed that she was at low risk.

It was reported that Madam CCM jumped from her home and was found death on 5<sup>th</sup> November 2002 (day 15 after her delivery).

## PERINATAL DATA

Total livebirths & stillbirths	3567
Primiparous	1983
Multiparous	1584
Born before arrival	4
Total livebirths	3554
Primiparous	1978
Multiparous	1576

## BASIC INFORMATION

Total birth $\geq$ 500 g	3567
Average birthweight(kg)	3111 (sd= 534 )
Stillbirth $\geq$ 500 g	13
Early (1st week) neonatal deaths	2
Late (2nd-4th wk) neonatal deaths	2
Total birth $\geq$ 1 kg	3546
Stillbirth $\geq$ 1 kg	11
Early (1st week) neonatal deaths	2
Late (2nd-4th wk) neonatal deaths	1
Stillbirths with lethal malformations	2
Neonatal deaths with lethal malformations	2
Perinatal deaths with lethal malformations	4
Lethal malformation rate per 1000 births	1.40

## EXCLUDING LETHAL MALFORMATION ( including < 1 kg)

Stillbirth rate per 1000 total births(n=11)	3.08
Neonatal mortality rate /1000 livebirths(n=1)	0.28
Perinatal mortality rate /1000 total births(n=11)	3.08

## EXCLUDING BIRTH < 1 kg (including malformation)

Stillbirth rate per 1000 total births(n=11)	3.08
Neonatal mortality rate /1000 livebirths(n=3)	0.84
Perinatal mortality rate /1000 total births(n=13)	3.64

## EXCLUDING BIRTH < 1 kg and babies with lethal malformation

Stillbirth rate per 1000 total births(n=10)	2.80
Neonatal mortality rate /1000 livebirths(n=0)	0.00
Perinatal mortality rate /1000 total births(n=10)	2.80

## SUMMARY OF FETAL LOSS

	Total	Stillbirths	
		No of	Rate
Total	3567	13	3.65
Booked	3319	11	3.31
Non-booked	248	2	8.06
Primiparous	1983	5	2.52
Multiparous	1584	8	5.05

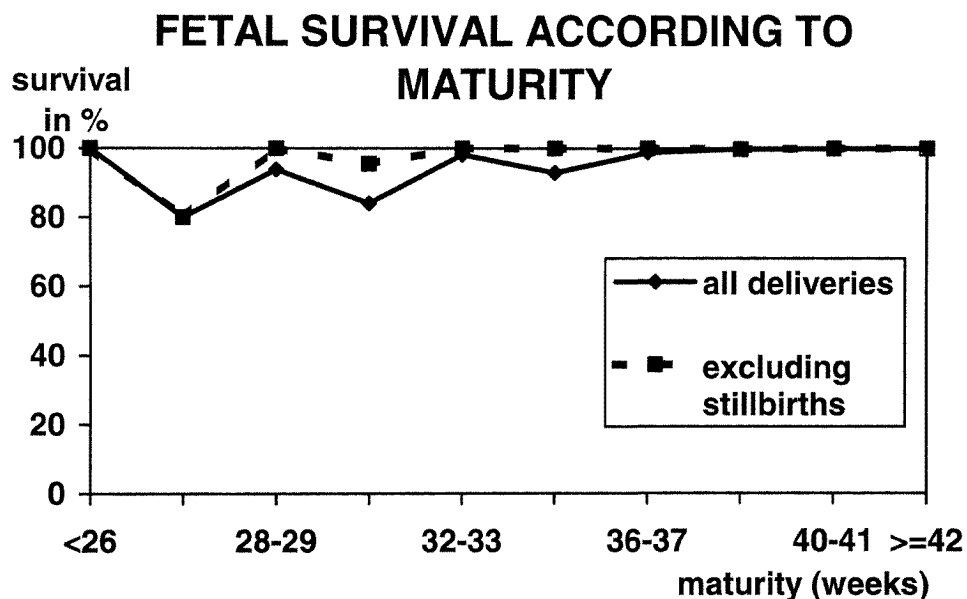
	Livebirths	Neonatal deaths	
		No of	Rate
Total	3554	4	1.13
Booked	3309	3	0.91
Non-booked	245	1	4.08
Primiparous	1978	3	1.52
Multiparous	1576	1	0.63

	Total	Perinatal deaths	
		No of	Rate
Total	3567	15	4.20
Booked	3319	12	3.61
Non-booked	248	3	12.10
Primiparous	1983	7	3.53
Multiparous	1584	8	5.05

## FETAL LOSS VERSUS GESTATIONAL AGE\*

Gestational age (weeks)	Total births	Live Births	Stillbirth	Neonatal deaths	Perinatal deaths
<26	1	1	0	0	0
rate /1000			0.00	0.00	0.00
26-27	5	5	0	1	0
rate /1000			0.00	200.00	0.00
28-29	16	15	1	0	1
rate /1000			62.50	0.00	62.50
30-31	25	22	3	1	4
rate /1000			120.00	45.45	160.00
32-33	53	52	1	0	1
rate /1000			18.87	0.00	18.87
34-35	56	52	4	0	4
rate /1000			71.43	0.00	71.43
36-37	177	174	3	0	3
rate /1000			16.95	0.00	16.95
38-39	1113	1113	0	2	1
rate /1000			0.00	1.80	0.90
40-41	2080	2079	1	0	1
rate /1000			0.48	0.00	0.48
>=42	40	40	0	0	0
rate /1000			0.00	0.00	0.00
Total	3566	3553	13	4	15

\* 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.

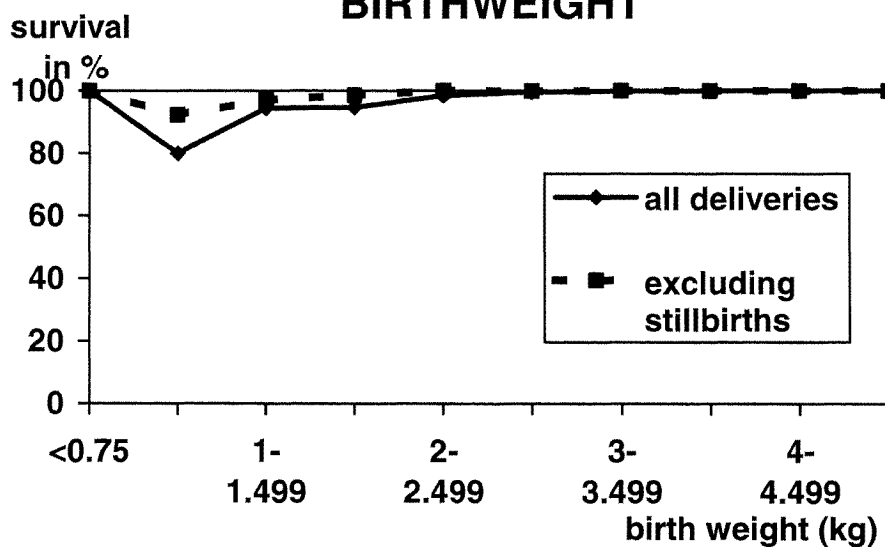


### NUMBER OF FETAL LOSS VERSUS BIRTH WEIGHT\*

Birth weight in grammes	Total births	Live Births	Still births	Neonatal deaths	Perinatal deaths
500-749	6	6	0	0	0
rate /1000			0.00	0.00	0.00
750-999	15	13	2	1	2
rate /1000			133.33	76.92	133.33
1000-1499	36	35	1	1	2
rate /1000			27.78	28.57	55.56
1500-1999	74	71	3	1	4
rate /1000			40.54	14.08	54.05
2000-2499	198	195	3	0	3
rate /1000			15.15	0.00	15.15
2500-2999	986	983	3	1	3
rate /1000			3.04	1.02	3.04
3000-3499	1492	1491	1	0	1
Rate /1000			0.67	0.00	0.67
3500-3999	663	663	0	0	0
rate /1000			0.00	0.00	0.00
4000-4499	93	93	0	0	0
rate /1000			0.00	0.00	0.00
>=4500	4	4	0	0	0
rate /1000			0.00	0.00	0.00
<b>Total</b>	<b>3567</b>	<b>3554</b>	<b>13</b>	<b>4</b>	<b>15</b>

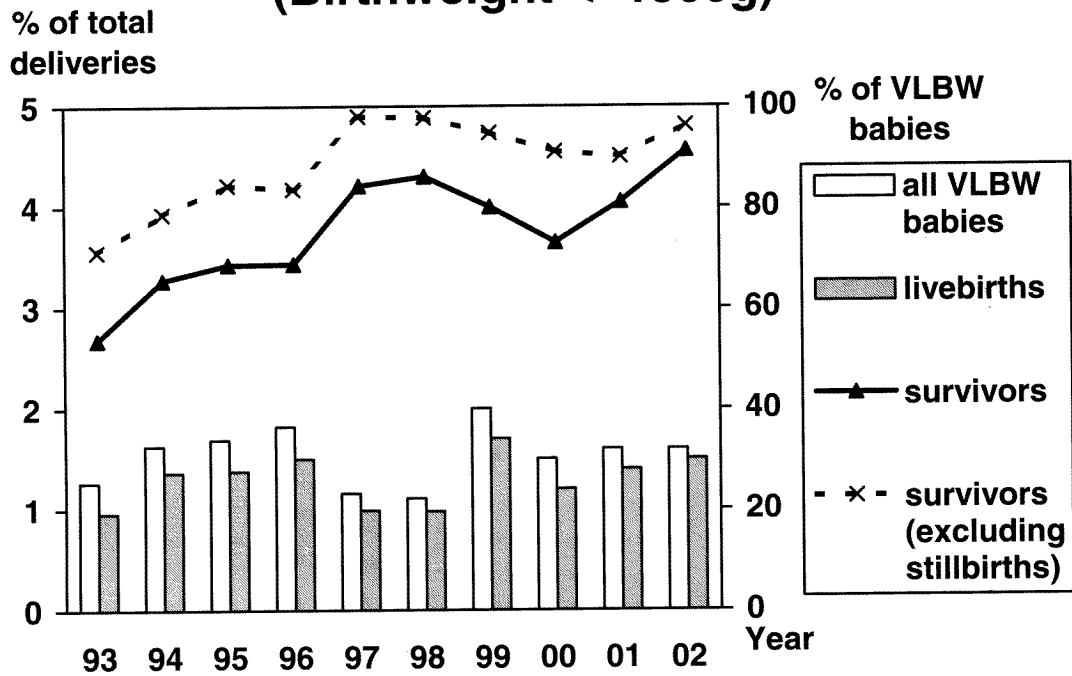
\*Babies with unknown birth weight excluded.

### 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	50	161	9	220
Term	409	2603	295	3307
Posterm	7	31	2	40
Total	466	2795	306	3567
(%)	13.06	78.36	8.58	

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

## OBSTETRICAL CAUSES OF NEONATAL DEATHS

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

## PAEDIATRIC CLASSIFICATION OF CAUSE OF NEONATAL DEATHS

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

## BIRTH TRAUMA

Total cases	97
Incidence (%)	2.7

## TYPES OF BIRTH TRAUMA\*

	Number	%
Cephalhaematoma	64	66.0
Soft tissue trauma	0	0.0
Subaponeurotic haemorrhage	3	3.1
Intracranial haemorrhage	3	3.1
Fractures	22	22.7
Nerve injury	3	3.1
Visceral injury	2	2.1

### Fetal outcome

Stillbirths	0
Neonatal deaths	0
Perinatal deaths	0

### Mode of delivery

	Total	Cases	Incidence /100 births
Spontaneous	2177	31	1.4
Vacuum extraction	348	16	4.6
Low forceps	182	13	7.1
Vaginal breech	11	0	0.0
Elective caesarean section	285	0	0.0
Emergency CS & others	564	2	0.4

\*Each baby may have more than 1 type of trauma

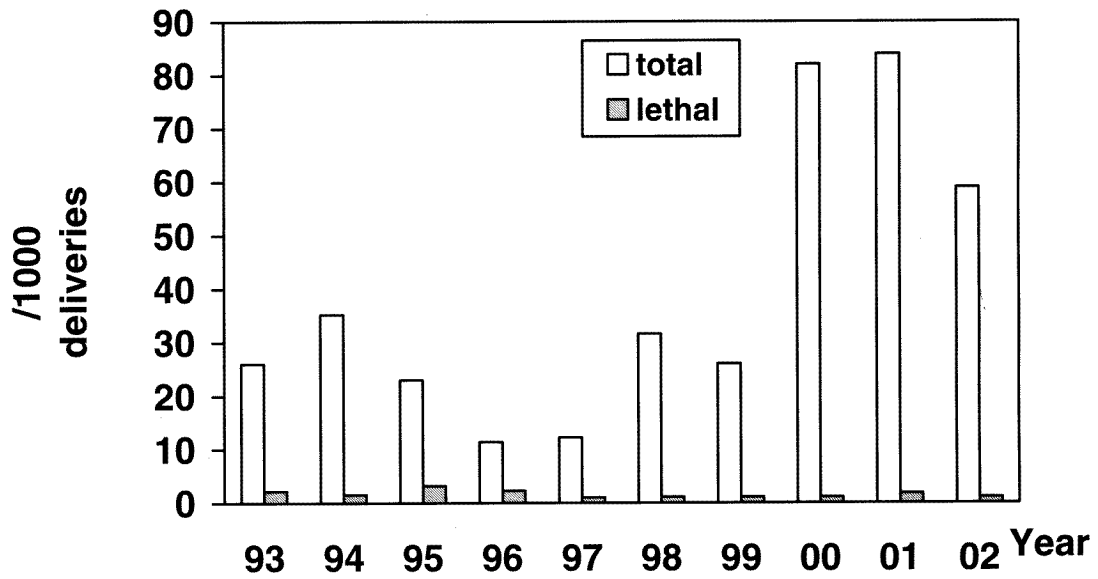
## CONGENITAL MALFORMATION

Total number	210
Incidence (%)	5.9

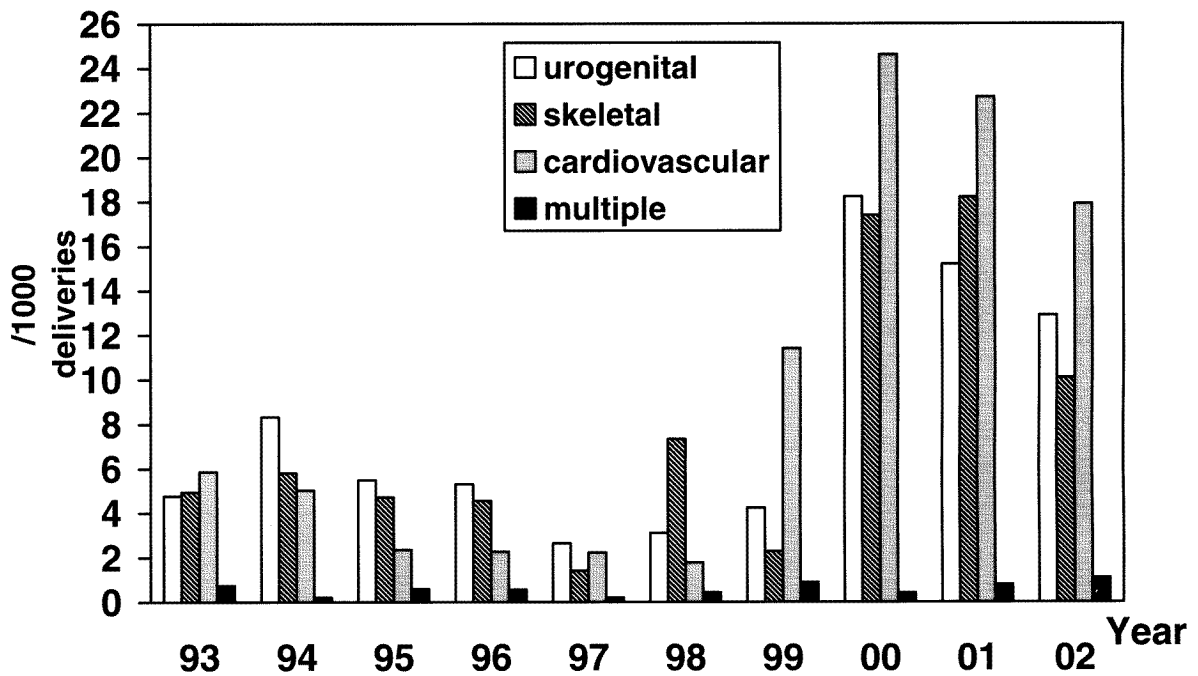
## TYPES OF MALFORMATIONS

	Number	%
Chromosomal abnormalities	6	2.9
Central nervous system	9	4.3
Face,eye,ear,oral cavity	22	10.5
Gastrointestinal tract	5	2.4
Cardiovascular system	64	30.5
Respiratory system	7	3.3
Urogenital system	46	21.9
Skeletal system	36	17.1
Multiple abnormalities	4	1.9
Others	11	5.2
Fetal mortality		
Stillbirth	2	
Neonatal deaths	2	
Perinatal deaths	4	
Incidence (%)		
among livebirths		5.9
among stillbirths		15.4
among neonatal deaths		25.0
among low birth weight babies (<2.5 kg)		0.8

## CONGENITAL MALFORMATIONS



## TYPES OF CONGENITAL MALFORMATIONS



## OTHER NEONATAL COMPLICATIONS

	Cases	%
Admission To Intensive Care Unit	100	2.8
Respiratory Distress Syndrome	31	0.8
Intraventricular Haemorrhage	27	0.8
Necrotising Enterocolitis	22	0.6
Major Infection		
Congenital infection	2	0.1
Pneumonia	40	1.1
Septicaemia	13	0.4
Meningitis	1	<0.1
Other major infection	2	0.1

# GYNAECOLOGY

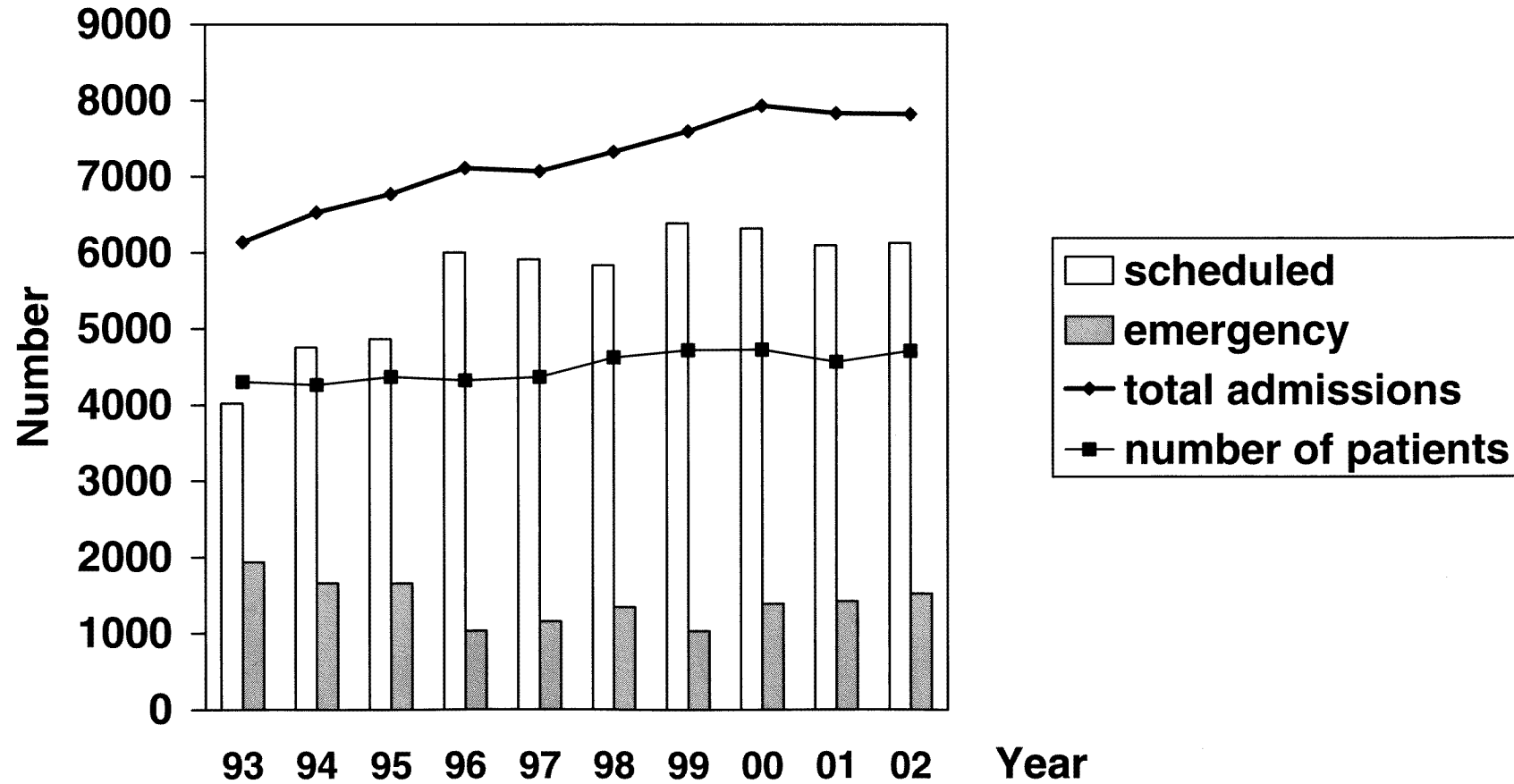


## COMPARATIVE STATISTICS (1993 - 2002)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Total admissions	6137	6530	6769	7115	7071	7325	7597	7931	7832	7820
Emergency	1935	1612	1657	1033	1157	1347	1031	1391	1422	1525
Scheduled	4022	4757	4867	6002	5914	5835	6388	6319	6096	6127
Total number of patients admitted	4303	4263	4367	4322	4367	4623	4719	4726	4567	4709
Diseases of uterine cervix (%)	9.6	8.77	7.9	6.2	9.4	7.8	8.8	10.4	9.3	9.4
Diseases of uterine body (%)	10.64	11.28	10.4	10.4	9.5	9.2	11.3	9.9	12.2	13.1
Diseases of ovary(%)	7.41	9.83	7.81	7.7	13.1	12.2	14.1	15.5	17.8	16.0
Diseases of menstruation (%)	10.48	9.52	10.74	9.6	7.1	7.6	6.8	6.7	8.9	6.9
Disorders of pregnancy & reproduction (%)	54.52	55.22	56.72	59.5	53.1	53.6	52.3	51.3	44.8	47.9
Major abdominal surgery for benign conditions	493	505	489	423	420	451	247*	234*	251*	256*
Major abdominal surgery for malignant conditions	127	163	115	132	102	117	140	159	133	159
Major vaginal operations	44	54	57	68	112	83	66*	81*	91*	100*
Major vulval operations	11	8	2	6	6	15	18	9	11	8
Endoscopic procedures	280	318	504	825	833	897	1058	1027	1077	1056
Assisted reproduction procedures	458	676	875	1049	1174	1252	1284	1253	1106	1137
Minor abdominal operations	158	143	52	16	21	6	8	4	3	5
Other minor operations	1899	1857	1738	1686	1523	1501	1832	1641	1381	1294
Death	32	23	17	9	11	17	17	14	14	20

\* excluding laporascopic surgery

# ADMISSIONS TO GYNAECOLOGICAL WARDS



## OUTPATIENTS STATISTICS

	New	Follow-up
GENERAL GYNAECOLOGY CLINICS		
Queen Mary S5 Specialist Clinic	3619	9111
Tsan Yuk Specialist Clinic	540	767
SUBSPECIALTY CLINICS		
Colposcopy Clinics	711	3189
Procedures		
large loop excision of transformation zone		174
cryotherapy		12
Male Subfertility Clinic	83	63
Menopause Clinics	53	503
Diagnosis		
surgical		4
natural		48
others		1
Procedures		
hormonal replacement therapy		
reasons for hormonal replacement therapy		
relief of menopausal symptoms		25
prevention of osteoporosis/cardiovascular disease		7
types of hormonal replacement therapy		
oestrogen only		5
cyclical combined oestrogen and progestogen		11
continuous combined oestrogen and progestogen		12
others		4
counselling		21
bone mineral density measurement		114
Menstrual Disorder Clinics	103	1378
Oncology Clinics Attendances		
Gynaecology Oncology Follow-up		3520
Mole Clinic		1013
Chemotherapy Clinic		1381

	New	Follow-up
Ovarian Assessment Clinic	63	293
Reasons for referral		
pelvic mass on ultrasonography		55
Screening of ovarian malignancy		8
Ultrasonographic diagnosis*		
ovarian cyst		45
parovarian cyst		3
pseudocyst		4
hydrosalpinx		6
uterine leiomyoma		17
normal		9
Referral for operation		24
* one patient may have more than one diagnosis		
Psychosomatic Clinic	2	6
Diagnosis		
Vaginismus	1	
Loss of libido	1	
Subfertility Clinics	464	1583
Urogynaecology Clinic	150	661
Cystometry		113
Surgery		
TVT		21
Vaginal hysterectomy and/or pelvic floor repair		12
Colposuspension		1
Sacrocoldpopexy		5
Paravaginal repair		1
Referral to physiotherapist		36

## ADMISSIONS AND DISCHARGES STATISTICS

Total number of admissions	7820
Total number of admitted patients	4709

### Status at admission

	Number	%
Scheduled	6127	78.4
Emergency	1525	19.5
Unplanned readmission	94	1.2
Transfer in	74	0.9

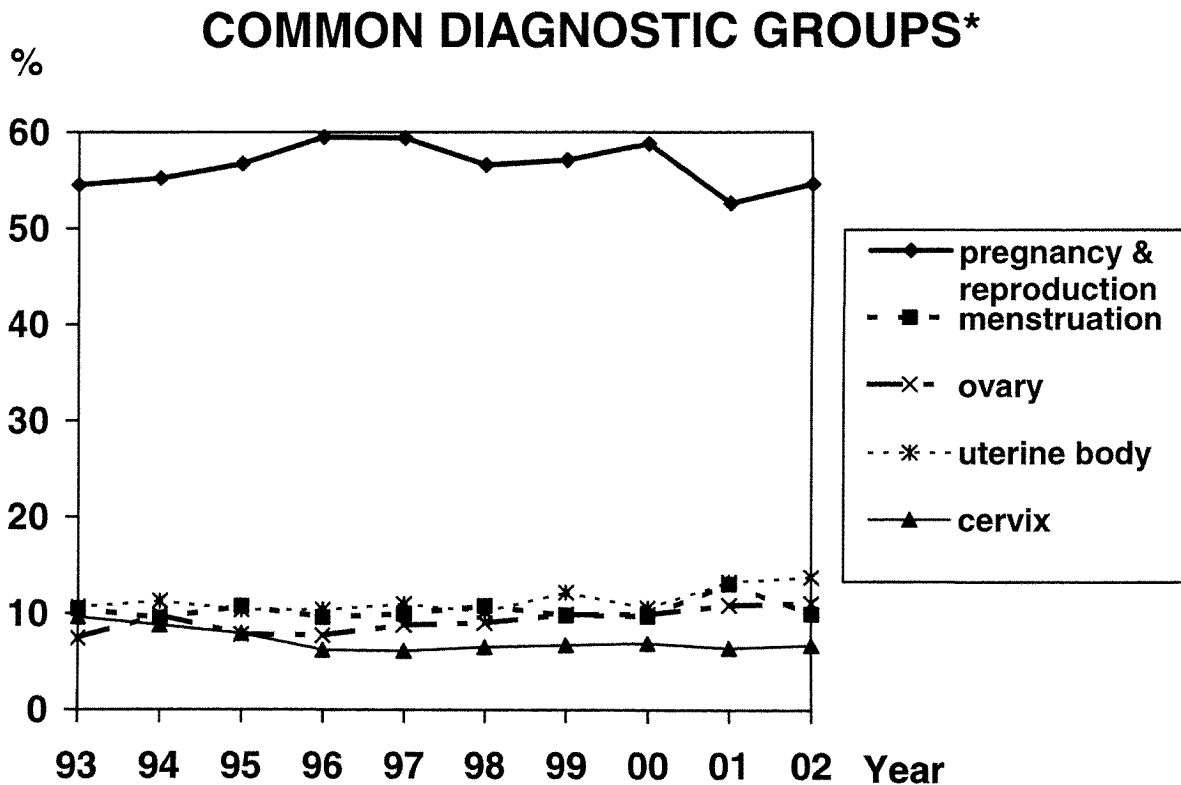
### Status at discharge

	Number	%
Discharge home	7795	99.7
Transfer convalescence	3	0.0
Death	21	0.3
DAMA	1	0.0

## STATISTICAL SUMMARY

### Diagnosis

	admissions		patients	
	number	%	number	%
Disease of vulva, perineum and urethra	174	2.2	136	2.9
Disease of vagina	67	0.9	42	0.9
Disease of uterine cervix	737	9.4	317	6.7
Disease of uterine body	1022	13.1	648	13.8
Disease of fallopian tube	128	1.6	87	1.8
Disease of ovary	1255	16.0	521	11.1
Disease of broad ligament and pelvic peritoneum	79	1.0	72	1.5
Disease of genital displacement/ urinary incontinence	207	2.6	92	2.0
Disease of menstruation	542	6.9	472	10.0
Disease of pregnancy and reproduction	3742	47.9	2571	54.6
Complications in pregnancy	74	0.9	69	1.5
Miscellaneous gynaecological condition	220	2.8	203	4.3
Miscellaneous condition	369	4.7	287	6.1



\*percentage of patients

Treatment	Number	%
Major abdominal surgery for benign conditions*	256	3.3
Major abdominal surgery for malignant conditions	159	2.1
Major vaginal operation*	100	1.3
Major vulval operation	9	0.1
Endoscopic procedures	1056	13.5
Colposcopic related procedures	74	0.9
Assisted reproduction procedures	1137	14.6
Minor abdominal operations	5	0.1
Other minor operations	1294	16.5
Radiotherapy	80	1.0
Other forms of treatment	4418	56.5

Complications	Number	%
Bowel injury	1	<0.1
Urinary tract injury	4	0.2
Perforation of uterus	1	<0.1
Deep vein thrombosis	1	<0.1
Cardiopulmonary arrest	0	0.0

\* excluding laparoscopic surgery

## DIAGNOSIS

### Diseases of Vulva, Perineum and Urethra

	Admissions	Patients
Total	174	136
Congenital anomaly	1	1
Trauma	6	5
Infection	45	45
Benign neoplasm	6	6
Malignant neoplasm	33	8
Retention cyst	29	27
Vulval dystrophy	20	18
Urethral lesions	1	1
Miscellaneous	33	30

### Diseases of Vagina

	Admissions	Patients
Total	67	42
Congenital anomaly	3	3
Trauma	3	3
Infection	2	2
Benign neoplasm	4	4
Malignant neoplasm	33	12
Retention cyst	3	3
Fistula	2	2
Vaginal intraepithelial neoplasia	4	3
Atrophic vaginitis	10	8
Miscellaneous	3	3



### Diseases of Uterine Cervix

	Admissions	Patients
Total	737	317
Congenital anomaly	3	3
Trauma	1	1
Infection	2	2
Benign neoplasm	69	64
Carcinoma of cervix	558	176
new cases		88
Other malignancy	8	5
Cervical intraepithelial neoplasia	82	68
Miscellaneous	14	12

### Diseases of Uterine Body

	Admissions	Patients
Total	1022	648
Congenital anomaly	12	12
Trauma	3	3
Infection	10	10
Fibromyoma	465	378
Carcinoma of corpus	300	130
new cases		63
Other malignancy	46	21
Myohyperplasia	4	4
Endometrial polyp	96	89
Adenomyosis	43	36
Endometrial hyperplasia	33	25
Atrophic endometritis	1	1
Miscellaneous	9	9

### Diseases of Fallopian Tubes

	Admissions	Patients
Total	128	87
Acute pelvic inflammatory disease	61	58
Chronic pelvic inflammatory disease	21	20
Tuberculous salpingitis	1	1
Benign neoplasm	0	0
Malignant neoplasm	41	7
Miscellaneous	4	3

## Diseases of Ovary

	Admissions	Patients
Total	1255	521
Retention/functional cyst	26	26
Endometriotic cyst	164	149
Benign tumour/cyst	210	178
Primary malignant epithelial tumour	753	144
new cases		50
Primary malignant non-epithelial tumour	36	18
Secondary malignant tumour	37	28
Borderline malignant tumour	26	14
Miscellaneous	3	3

## Diseases of Broad Ligaments and Pelvic Peritoneum

	Admissions	Patients
Total	79	72
Pelvic endometriosis	59	55
Parovarian cyst	11	11
Miscellaneous	9	7

## Genital Displacements / Urinary Problems

	Admissions	Patients
Total	207	92
Uterine prolapse	87	60
Cystocoele/rectocoele/enterocoele	80	61
Stress incontinence	30	26
Detrusor instability	2	1
Vault prolapse	8	5
Miscellaneous	0	0

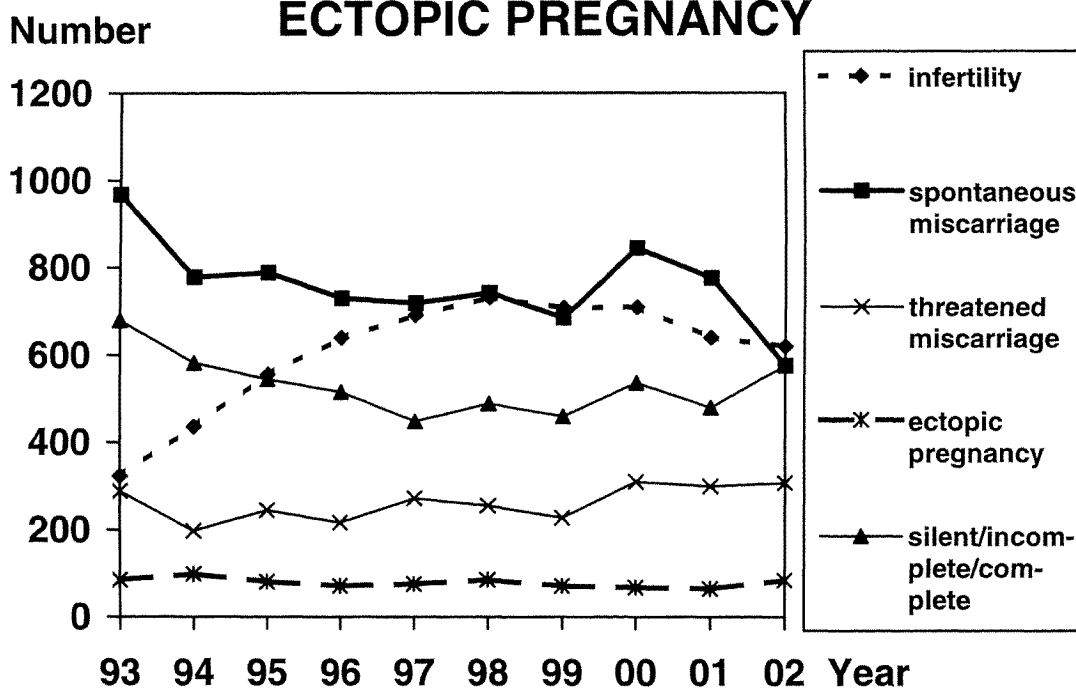
## Disorders of Menstruation

	Admissions	Patients
Total	542	472
Primary amenorrhoea	2	2
Secondary amenorrhoea	2	2
Dysfunctional uterine bleeding	379	338
Postmenopausal bleeding	125	103
Dysmenorrhoea	28	26
Miscellaneous	6	6

## Disorders of Pregnancy and Reproduction

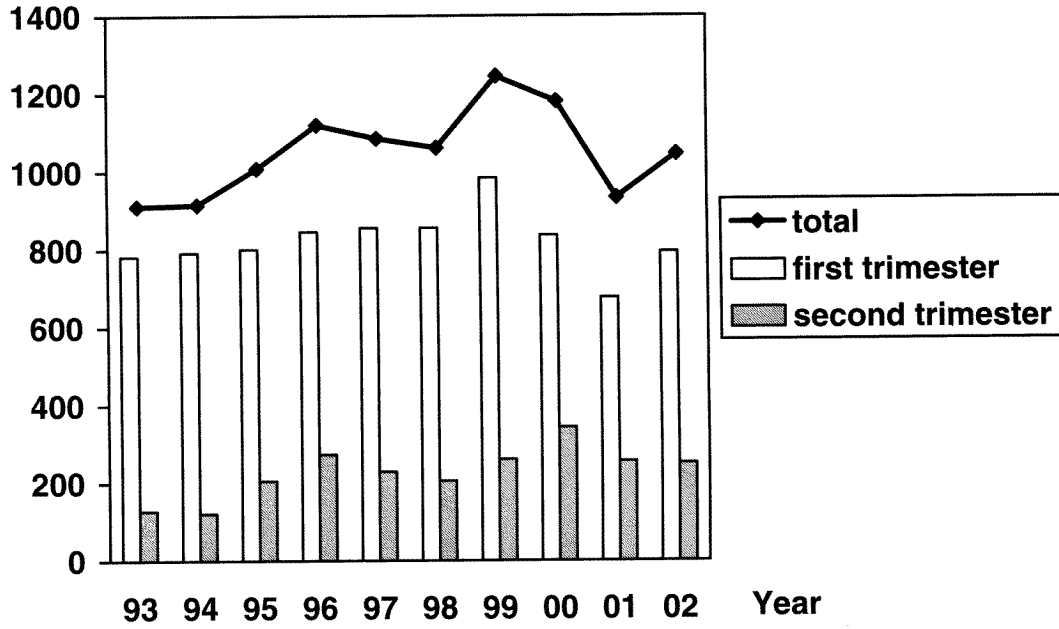
	Admissions	Patients
Total	3742	2571
Infertility	1288	618
Hyperemesis gravidarum	52	43
Threatened miscarriage	368	306
Spontaneous/silent miscarriage	616	574
Complete mole	1	1
Partial mole	8	5
Residual trophoblastic disease	84	23
Metastatic Malignant trophoblastic disease	47	9
Secondary postpartum haemorrhage	11	11
Other puerperal problems	9	9
Ectopic pregnancy	84	83
First trimester termination of pregnancy	858	795
Second trimester termination of pregnancy	264	251
Sterilization	40	37
Miscellaneous	12	12

### NUMBER OF PATIENTS ADMITTED FOR INFERTILITY, MISCARRIAGE & ECTOPIC PREGNANCY



## TERMINATION OF PREGNANCY\*

Number



\*number of patients

### Complications in Pregnancy

	Admissions	Patients
Total	74	69
Benign tumour of genital tract	5	5
Malignant tumour of genital tract	0	0
Medical diseases	6	6
Surgical diseases	3	3
Non-specific abdominal pain	60	56

### Miscellaneous Gynaecological Conditions

	Admissions	Patients
Total	220	203
Retained IUCD	12	12
Abdominal pain of unknown cause	102	94
Complication of treatment in the same unit	73	70
Complication of treatment in other unit	18	18
Miscellaneous	15	13

### Miscellaneous Conditions

	Admissions	Patients
Total	369	287
Breast disease	10	9
Urinary tract disease	98	86
Gastrointestinal tract disease	61	52
Cardiovascular disease	48	36
Respiratory tract disease	14	13
Central nervous system disease	12	11
Endocrine disease	38	33
Blood disease	14	13
Dermatological/musculoskeletal disease	28	27
Miscellaneous	46	45

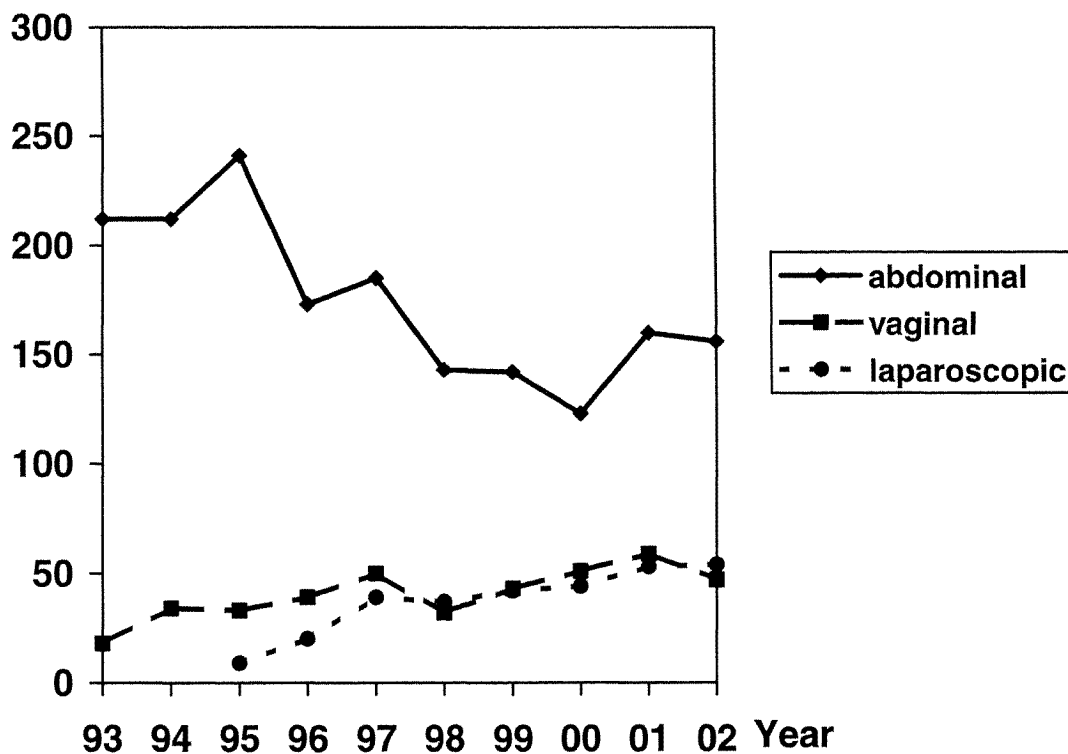
## TREATMENT

### Major Abdominal Surgery For Benign Conditions\*

Total	256
Hysterectomy +/- salpingo-oophorectomy	156
Subtotal hysterectomy +/- salpingo-oophorectomy	0
Repair of urinary fistula	0
Myomectomy	37
Ovarian cystectomy	22
Salpingo-oophorectomy/Oophorectomy	18
Salpingectomy	5
Salpingotomy	0
Stress incontinence surgery	1
Adhesiolysis/tuboplasty	0
Drainage of pelvic abscess	1
Miscellaneous	16

## HYSTERECTOMY FOR BENIGN CONDITIONS

Number



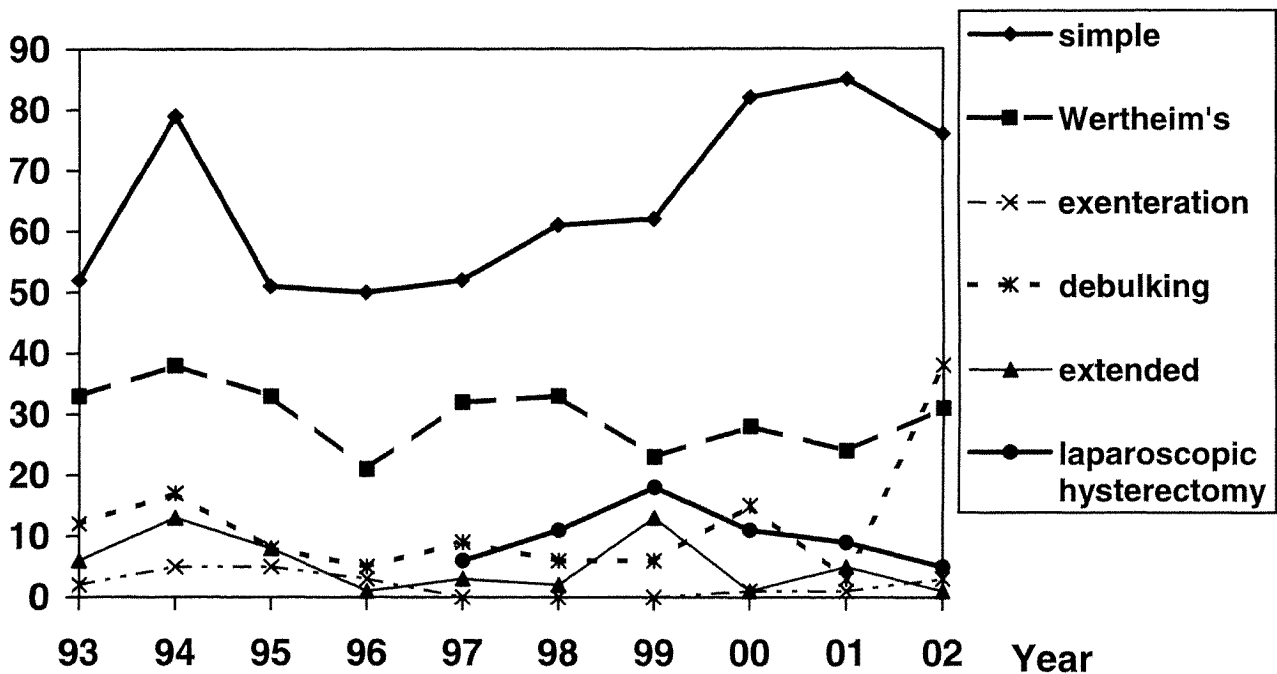
\*excluding laporoscopic surgery

## Major Abdominal Surgery For Malignant Conditions

Total	159
Hysterectomy +/- salpingo-oophorectomy	76
Subtotal hysterectomy +/- salpingo-oophorectomy	0
Wertheim's hysterectomy	32
Pelvic exenteration	3
Debulking	38
Extended hysterectomy	0
Oophorectomy/salpingo-oophorectomy	11
Miscellaneous	62

## HYSTERECTOMY FOR MALIGNANT CONDITIONS

Number





## Major Vaginal Operations

Total	100
Surgery for urinary incontinence	17
Vaginal hysterectomy	11
Vaginal hysterectomy + pelvic floor repair	36
Pelvic floor repair	9
Repair of urinary fistula	0
Miscellaneous	21

## Major Vulval Operations

Total	9
Radical vulvectomy	6
Simple vulvectomy	1
Wide local excision	1
Miscellaneous	1

## Endoscopic Procedures

Total	1056
Diagnostic laparoscopy	134
Laparoscopic sterilization	38
LAVH/LH	54
Laparoscopic myomectomy	26
Laparoscopic ovarian cystectomy	150
Laparoscopic oophorectomy/salpingo-oophorectomy	78
Laparoscopic ovarian drilling	5
Laparoscopic salpingectomy	81
Laparoscopic salpingotomy	17
Laparoscopic adhesiolysis	34
Laparoscopic ablation/resection of endometriosis	3
Laparoscopic drainage of pelvic abscess	0
Laparoscopic lymphadenectomy	0
Other laparoscopic operations	14
Diagnostic hysteroscopy	340
Hysteroscopic polypectomy	12
Hysteroscopic myomectomy	27
Endometrial ablation	2
Other hysteroscopic operations	15
Cystoscopy	17
Miscellaneous	9

Colposcopy Related Procedures\*

Total	74
Cervical Cautery	0
Laser Vaporization	0
Laser Cone	0
Loop Excision	26
Cone Biopsy	38
Miscellaneous	10

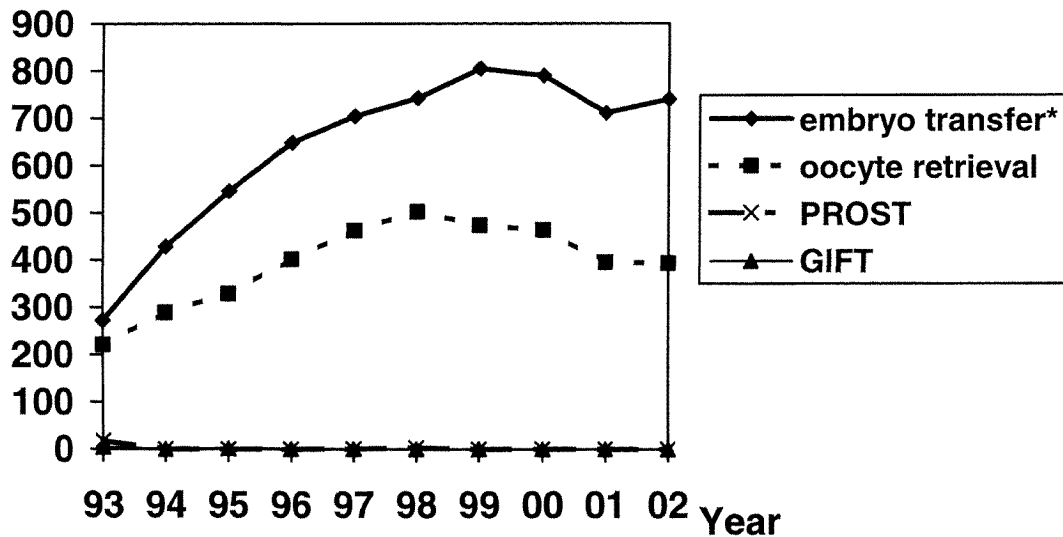
\*most of the colposcopic procedures were performed as out patient

Assisted Reproduction Procedures

Total	1137
Oocyte retrieval (ultrasound guided)	398
Oocyte retrieval (laparoscopic)	0
Gamete intrafallopian transfer (GIFT)	0
Pronuclear stage transfer (PROST)	0
Embryo transfer	739
Miscellaneous	0

### ASSISTED REPRODUCTION PROCEDURES

Number



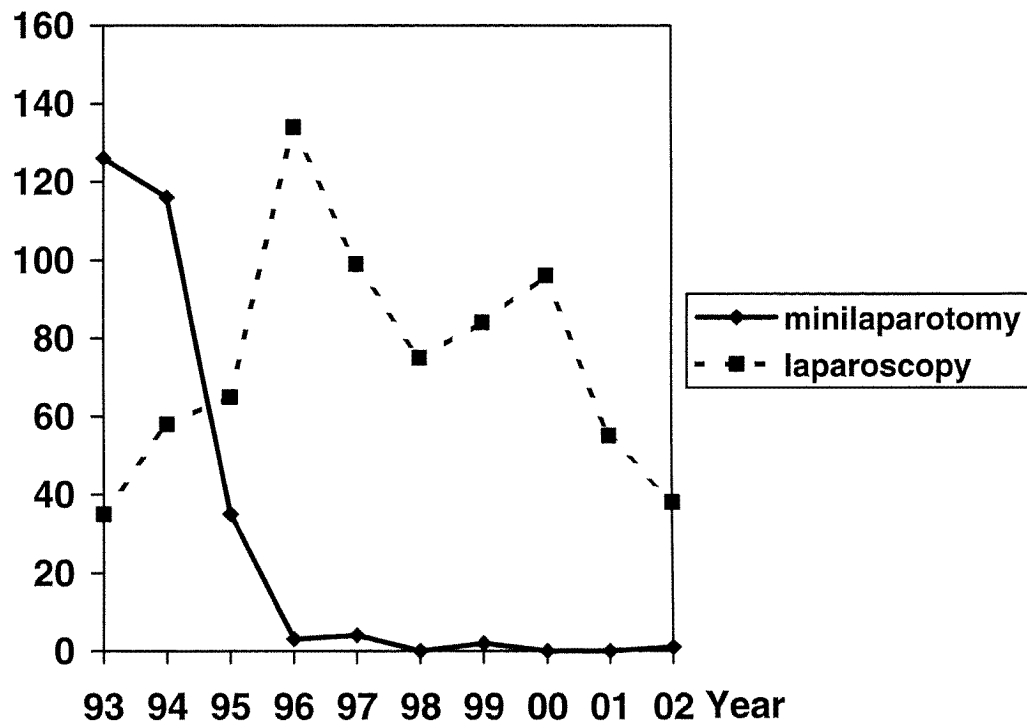
\* including fresh and frozen embryo transfer cycles

## Minor Abdominal Operations

Total	5
Tubal ligation	1
Resuture of abdominal wound	1
Miscellaneous	3

## MINILAPAROTOMY & LAPAROSCOPIC STERILISATION

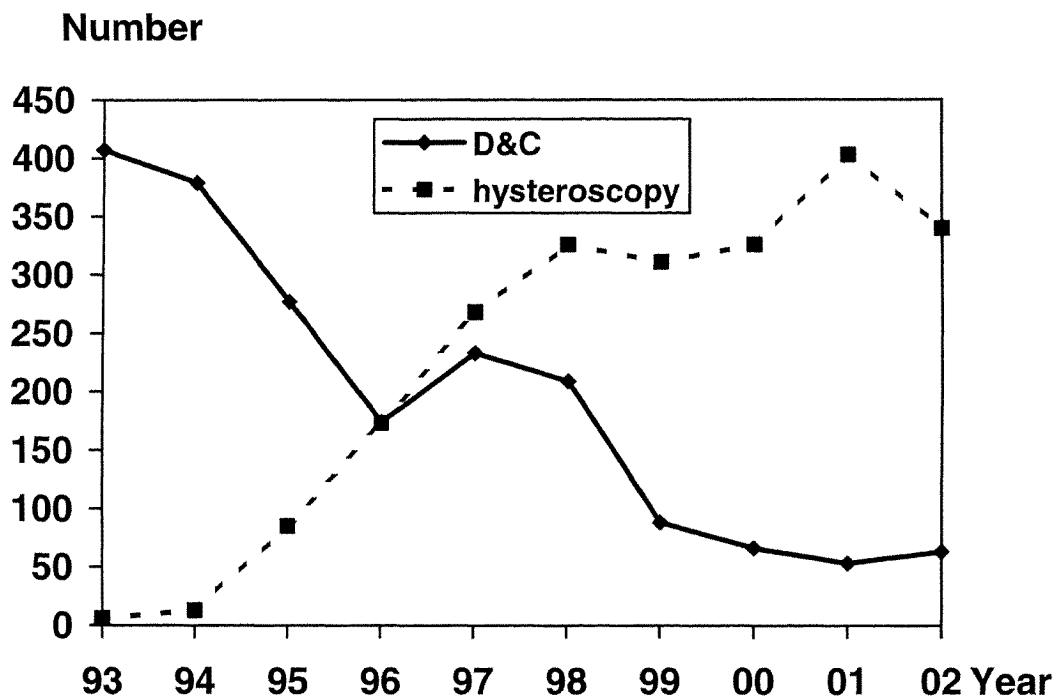
Number



Other Minor Operations

Total	1294
Dilatation and curettage / polypectomy	63
Suction termination of pregnancy	469
Evacuation of retained products of conception	337
Marsupialization	41
Cervical cerclage	1
Other vulval surgery	56
Examination under anaesthesia	7
Endometrial biopsy	190
Miscellaneous	130

### D&C AND DIAGNOSTIC HYSTEROSCOPY\*



## Radiotherapy\*

Total	80
Intracavitary radiotherapy	0
External radiotherapy	32
Miscellaneous	48

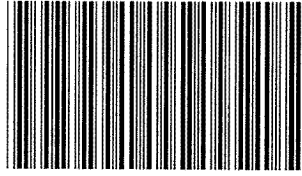
\* Most of the patients were admitted to the Department of Radiotherapy and Oncology and were therefore not included in our admission statistics.

## Other Forms of Treatment

Total	4418
Observation and investigations	2395
Antibiotic as primary treatment	138
Prostaglandins	612
Hormones	143
Chemotherapy	796
Other medication	102
Miscellaneous	232

## 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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