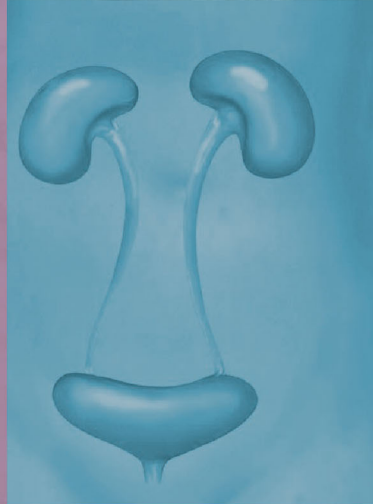
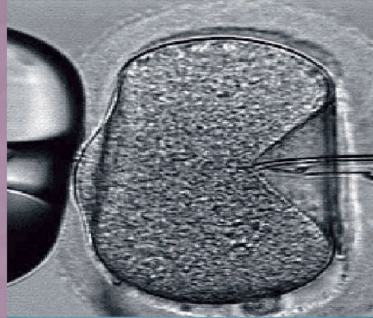
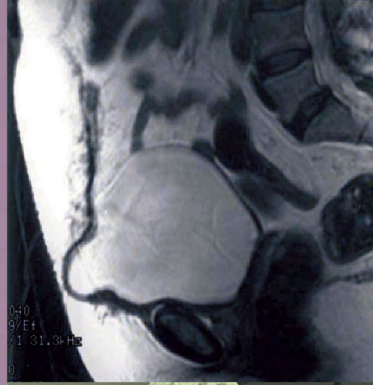




The University of Hong Kong

Clinical Report 2016

Department of Obstetrics and Gynaecology



MESSAGE FROM THE HEAD OF DEPARTMENT

Our Department provides services in general obstetrics and gynaecology, as well as in subspecialty services including reproductive medicine, gynaecological oncology and maternal-fetal medicine. Separate reports are available in reproductive medicine, gynaecological oncology and prenatal diagnosis where more details can be found.

In 2016, there were a total of 3842 deliveries in our Unit, which was comparable with previous years. Our Caesarean section rate was 27.9% and instrumental deliveries by forceps or vacuum extraction accounted for another 9.6%, which also remained similar as in previous years. The perinatal mortality rate was 6.1 per 1000 live births, which again was comparable with previous years. These met the acceptable standard for a tertiary care centre.

The total number of gynaecological admissions was 9097, which remained similar to previous years. The number of day cases has increased tremendously in the past three years, which accounted for about half of the admissions. This reflects the current trend in minimising the duration of hospital stays for most gynaecological conditions and procedures. The disease pattern in gynaecology has also remained stable. From this year onwards, with the change in the gynaecological discharge coding system by the Hong Kong College of Obstetricians and Gynaecologists, major abdominal surgical procedures for benign and malignant conditions are reported together. A detailed breakdown of surgical procedures for gynaecological malignancies can be found in the Gynaecological Oncology Annual Report of our Department.

Hereby, I would like to take this opportunity to thank Dr. Raymond Li for compiling this annual report. I would also like to thank the following colleagues for their contribution: Mr. Rice Yeung (Information Technology Department, Hospital Authority) for assisting in obstetric data management, Dr. Mimi Seto for the obstetric and neonatal statistics, Dr. Vincent Cheung for the general gynaecology statistics and Dr. Siew-Fei Ngu for the gynaecological oncology statistics.



Professor Hextan Ngan
Chair Professor and Head, Department of Obstetrics and Gynaecology,
The University of Hong Kong

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**MEDICAL STAFF OF
DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY,
THE UNIVERSITY OF HONG KONG (2016)**

Obstetrician and Gynaecologist in charge :

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.;
Cert R.C.O.G. (Gynae Onc)

Chair Professor & Head, Department of Obstetrics & Gynaecology
Tsao Yin-kai Professor in Obstetrics & Gynaecology
Honorary Consultant Obstetrician & Gynaecologist to the Hospital Authority

Hospital Chief Executive :

Dr. C.C. Luk M.B.,ChB., MPA

Professors, Specialists in Obstetrics & Gynaecology :

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.

Prof. E.H.Y. Ng M.B.,B.S. (H.K.); M.Phil.(Sheff); M.D. (H.K.);
F.R.C.O.G.; F.H.K.A.M. (O&G); F.H.K.C.O.G.
Chief of Service, Department of Obstetrics &
Gynaecology, Queen Mary Hospital

Prof. G.W.K. Tang, SBS JP 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.
(up to 13th November 2016)

Associate Professors, Specialists in Obstetrics & Gynaecology :

Dr. K.K.L. Chan M.B.,B.Chir (U.K.); M.A. (Catab); F.R.C.O.G.;
F.H.K.A.M. (O&G); F.H.K.C.O.G.;
Cert R.C.O.G.(Gynae Onc)

Dr. C.P. Lee M.B.,B.S. (H.K.); F.R.C.O.G.;
F.H.K.A.M. (O&G); F.H.K.C.O.G.
(up to 2nd June 2016)

Dr. R.H.W. Li M.B.,B.S. (H.K.); M.MedSc(H.K.); F.R.C.O.G.;
F.H.K.A.M. (O&G); F.H.K.C.O.G.;
Cert R.C.O.G. (Reprod Med);
Cert H.K.C.O.G.(Reprod Med)

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.

Professor (Non-Clinical)

Prof. W.S.B. Yeung B.Sc., Ph.D. (H.K.); CBiol.; MI Biol

Consultants, Specialists in Obstetrics & Gynaecology :

Dr. V.Y.T. Cheung	M.B.,B.S. (H.K.); F.R.C.O.G.; F.R.C.S.C.(O&G); F.H.K.A.M. (O&G); F.H.K.C.O.G.
Dr. P.W. Hui	M.B.,B.S. (H.K.); M.MedSc (H.K.); F.R.C.O.G.; F.H.K.A.M. (O&G); F.H.K.C.O.G.; Cert R.C.O.G. (Maternal and Fetal Med)
Dr. A.S.Y. Kan	M.B.,B.S. (H.K.); MPH (H.K.); M.R.C.O.G.; F.H.K.A.M. (O&G); F.H.K.C.O.G.
Dr. T.C. Pun	M.B.,B.S. (H.K.); F.R.C.O.G.; F.H.K.A.M. (O&G); F.H.K.C.O.G.
Dr. N.W.M. Shek	M.B.,B.S. (H.K.); M.R.C.O.G.; F.H.K.C.O.G.; F.H.K.A.M. (O&G); Cert R.C.O.G. (Maternal and Fetal Med) (from 1 st February 2016)
Dr. K.Y. Tse	M.B.,B.S. (H.K.); M.R.C.O.G.; F.H.K.A.M. (O&G); F.H.K.C.O.G.; Cert R.C.O.G. (Gynae Onc)

Associate Consultants, Specialists in Obstetrics & Gynaecology :

Dr. M.M.C. Cheng	M.B.,B.S. (H.K.); M.R.C.O.G.; F.H.K.C.O.G.; F.H.K.A.M. (O&G) (from 1 st July 2016))
Dr. M.M.Y. Chu	M.B.,B.S. (H.K.); M.R.C.O.G.; F.H.K.C.O.G.; F.H.K.A.M. (O&G); Cert R.C.O.G. (Gynae Onc)
Dr. J.K.Y. Ko	M.B.,B.S. (H.K.); M.R.C.O.G. ; F.H.K.C.O.G.; F.H.K.A.M. (O&G); Cert R.C.O.G. (Repro Med) (from 1 st October 2016)
Dr. C.W.S. Lai	M.B.,B.S. (H.K.); M.R.C.O.G.; F.H.K.C.O.G.;F.H.K.A.M. (O&G); Cert R.C.O.G. (Maternal and Fetal Med) (from 1 st April 2016)
Dr. V.C.Y. Lee	M.B.,B.S (H.K.); M.R.C.O.G.; F.H.K.C.O.G.; F.H.K.A.M.(O&G); Cert R.C.O.G. (Reprod Med)
Dr. T.K.T. Li	M.B.,Ch.B. (C.U.H.K.); M.R.C.O.G.; F.H.K.C.O.G.; F.H.K.A.M. (O&G)
Dr. P.W.S. Ma	M.B.,B.S. (H.K.) ; M.R.C.O.G.; F.H.K.C.O.G.; F.H.K.A.M. (O&G); Cert H.K.C.O.G. (Urogynae)

Dr. N.W.M. Shek M.B.,B.S. (H.K.); M.R.C.O.G.;
F.H.K.C.O.G.; F.H.K.A.M. (O&G) ;
Cert R.C.O.G. (Maternal and Fetal Med)
(up to 31st January 2016)

Associate Professor (Non-Clinical)

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

Assistant Professor (Non-Clinical)

Dr. D.W. Chan B.Sc. (H.K.B.U.); MPhil (H.K.); PhD (Monash)

Dr. P.C.N. Chiu B.Sc., MPhil, PhD (H.K.)

Assistant Professors/Resident Specialists in Obstetrics & Gynaecology :

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

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

Dr. M.M.C. Cheng M.B.,B.S. (H.K.); M.R.C.O.G.; F.H.K.C.O.G.;
F.H.K.A.M. (O&G)
(up to 30th June 2016)

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

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

Dr. J.K.Y. Ko M.B.,B.S. (H.K.); M.R.C.O.G. ; F.H.K.C.O.G.;
F.H.K.A.M. (O&G); Cert R.C.O.G. (Repro Med)
(up to 30th September 2016)

Dr. C.W.S. Lai M.B.,B.S. (H.K.); M.R.C.O.G.;
F.H.K.C.O.G.;F.H.K.A.M. (O&G);
Cert R.C.O.G. (Maternal and Fetal Med)
(up to 31st March 2016)

Dr. E.M.W. Lui M.B.,B.S. (H.K.) ; M.R.C.O.G. ;
F.H.K.C.O.G. ; F.H.K.A.M. (O&G)

Dr. S.Y.K. Mok M.B.,B.S. (H.K.) ; M.R.C.O.G. ;
F.H.K.C.O.G. ; F.H.K.A.M. (O&G)
(up to 10th October 2016)

Dr. S.F. Ngu M.B.B.S. (Lond); M.R.C.O.G.; F.H.K.C.O.G.;
F.H.K.A.M. (O&G)

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

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

Assistant Professors/Residents:

Dr. H.M.C. Chan M.B.,B.S. (H.K.)

Dr. C.D. Chung M.B.,B.S. (H.K.)

Dr. V.W.Y. Ng M.B.,B.S. (H.K.) (from 1st July 2016)

Dr. A.W.T. Sin M.B.,B.S. (King's College London) ; M.R.C.O.G.
(up to 6th April 2016)

Dr. P.Y.W. Tong M.B.,B.S. (H.K.)

Dr. J.K.O. Wai M.B.B.Ch. ; B.A.O. (Ireland)(from 1st May 2016)

Dr. E. Wong M.B.,B.S. (H.K.)

Dr. K. Wong M.B.,B.S. (H.K.)

Consultant Anaesthesiologist :

Prof. M.G. Irwin M.B., ChB.; M.D; F.R.C.A.; F.A.N.Z.C.A.;
F.H.K.A.M.

Consultant Dermatologist :

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

Consultant Oncologist:

Prof. D.L.W. Kwong M.B.,B.S. (H.K.), M.D.(H.K.), F.R.C.R., F.H.K.C.R.,
F.H.K.A.M.

Consultant Paediatricians :

Prof. G.C.F. Chan D.M.D. (U. East, Phil); M.D. (U. East, Phil); L.M.C.H.K.;
MSc (U. Birmingham, UK); Dip Palliative Med (U Wales,
UK); M.R.C.P. (UK); F.H.K.A.M.; F.H.K.C. Paed; F.R.C.P.
(Edin); F.R.C.P.C.H. (UK); F.A.A.P. (USA)

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. S. Tam M.B.,B.S.(HK); M.R.C.P.(U.K.); F.A.C.B.; F.H.K.C.P.;
F.H.K.A.M.(Pathology & Medicine); F.R.C.P.A.;
F.H.K.C.(Path); F.R.C.P.(Edin)

Prof. A.N.Y. Cheung M.B.,B.S.(H.K.); M.D.(H.K.); F.R.C.(Path);
F.H.K.C.P.(Path); F.I.A.C.; F.H.K.A.M.(Pathology)

Consultant Physician :

Prof. Albert Lie M.B.B.S. (HK); F.R.C. Path, F.R.C.P.A.;
F.R.C.P. (Edin, Glas & Lond); F.H.K.C.P.;
F.H.K.A.M. (Medicine)

Consultant Psychiatrist :

Dr. M.M.C. Wong M.B.,B.S. (H.K.); M.R.C.Psych (U.K.);
F.H.K.A.M. (Psychiatry); F.H.K.C.Psych

Consultant Radiologist :

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

Consultant Surgeon :

Prof. C.M. Lo M.B.,B.S.(H.K.); M.S.; F.R.C.S.(Edin); F.R.A.C.S.;
F.A.C.S.; F.H.K.A.M.(Surg); F.C.S.H.K.

Nursing Staff:

Department Operations Manager:

Ms. A.Y.Y. Choi RN, RM, RGN (Canada), BSN, MMedSc

Midwife Consultant:

Ms. G.G.Y. Ma RN, RM, BSN, MHSM, MAFCFE, IBCLC

Ward Managers:

Ms. H.K. Chan RN, RM, BHSc(Nsg), MHM

Ms. K.C. Chan RN, RM, ADHSM, BHSc(N), MN

Ms. S.F.P. Hui RN, RM, BSN(Hons), MSocSc(BH)

Ms. S.H. Lau RN, RM, MSc in Nursing, BSN (Hons)

Ms. P.L.Tang RN, RM, BSN (Hons), MSc in Nursing

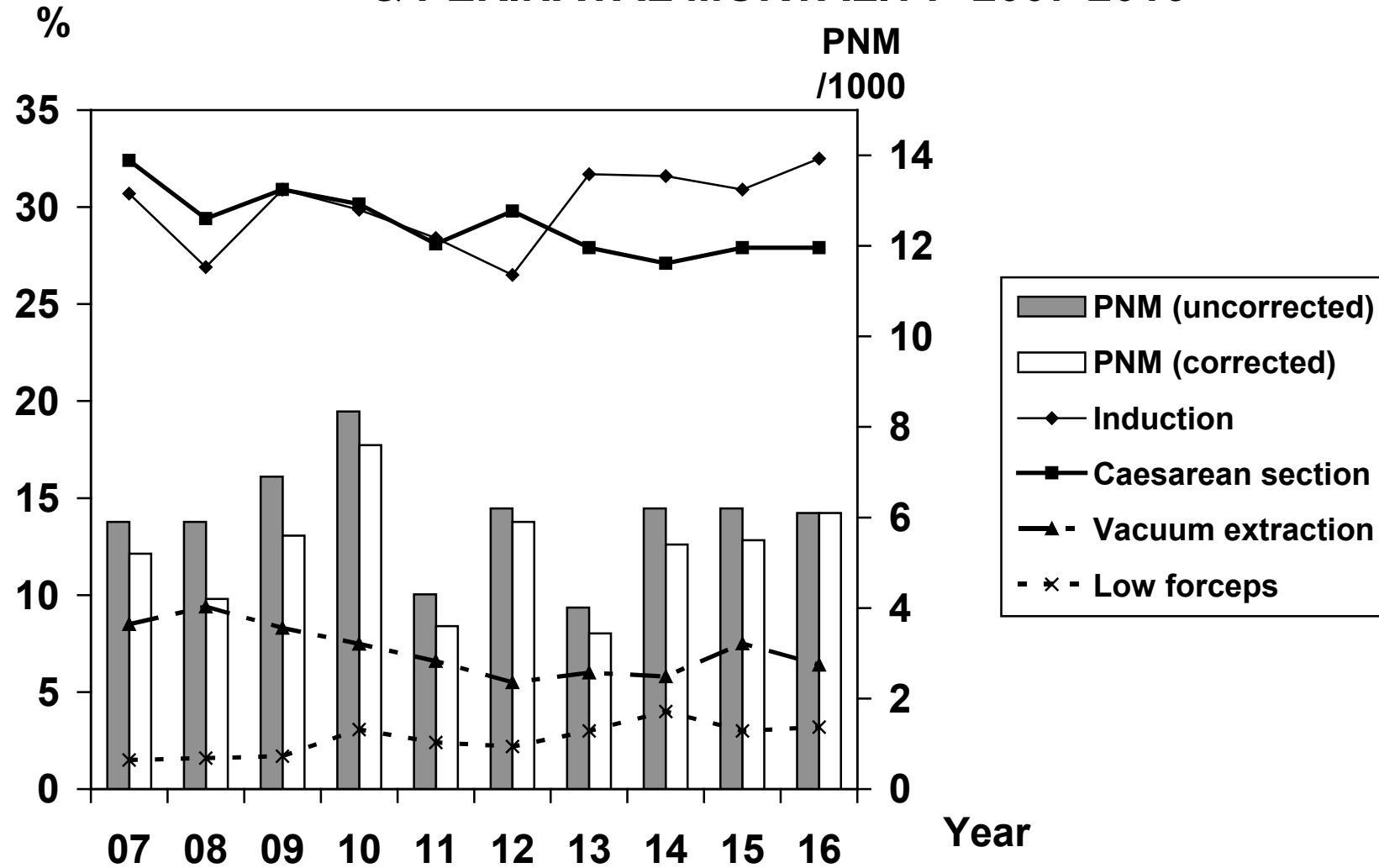
OBSTETRICS

COMPARATIVE STATISTICS (2007 - 2016)

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Total patients delivered	4091	3916	3805	3951	4260	4390	3367	3752	3724	3842
Primiparae	2394	2204	2114	2181	2340	2488	1975	2145	2174	2227
Multiparae	1697	1712	1691	1770	1920	1902	1392	1607	1550	1615
Pregnancy induced hypertension	164	175	164	171	175	205	187	226	162	196
Eclampsia	2	1	1	1	0	2	2	2	1	0
Accidental haemorrhage	18	14	8	18	12	20	8	13	5	5
Placenta praevia	62	55	62	43	39	45	31	39	22	40
Postpartum haemorrhage	68	82	84	86	119	100	87	119	126	140
Induction of labour(%)	30.7	26.9	30.9	29.9	28.4	26.5	31.7	31.6	30.93	32.5
Vacuum extraction(%)	8.5	9.4	8.3	7.5	6.6	5.5	6.0	5.8	7.50	6.4
Forceps delivery(%)	1.5	1.6	1.7	3.1	2.4	2.2	3.0	4.0	3.0	3.2
Caesarean section(%)	32.4	29.4	30.9	30.2	28.1	29.8	27.9	27.1	27.9	27.9
Maternal deaths*	1	0	0	0	0	0	0	1	1	0
Infants born in hospital	4238	4027	3935	4064	4394	4545	3483	3862	3843	3956
Infants born before admission	8	12	9	14	4	11	10	11	10	10
Total infants born	4246	4039	3944	4078	4398	4556	3493	3873	3853	3966
Stillbirth rate (per 1000 total deliveries)	4.3	3.5	4.1	4.6	3.6	4.4	3.4	4.9	3.6	3.8
Neonatal death rate (per 1000 livebirths)	1.9	3.0	3.6	2.5	1.1	2.0	1.2	1.6	3.7	3.2
Perinatal death rate (per 1000 livebirths)	5.9	5.9	6.9	7.1	4.3	6.2	4.0	6.2	6.2	6.1
Corrected perinatal death rate (excluding non-booked cases with IUD on admission)	5.2	4.2	5.6	7.1	3.6	5.9	3.4	5.4	5.5	6.1

*Within 42 days post-delivery

INTERVENTION RATES & PERINATAL MORTALITY 2007-2016



STATISTICAL SUMMARY

	Tsan Yuk Hospital	Queen Mary Hospital
Obstetric Clinic Attendance		
Antenatal new cases	4800	112
Antenatal follow-up cases	501	9391
Postnatal cases*	1	1271
Combined diabetic clinic	-	2985
Combined medical clinic	-	329
Private	-	195
Cardiotocogram	2	187
Oral glucose tolerance test	0	6699
Day Centre Attendance		
Removal of stitches	-	869
Wound assessment	-	369
Breastfeeding supervision	-	680
Miscellaneous	-	29

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

PATIENTS CHARACTERISTICS

Ethnic origin:	Chinese	Number	%
	Non-Chinese	3179	82.74
Average Age (yr.):	Primiparous	663	17.26
	Multiparous	31.85	
	Total	33.98	
Parity at booking:	Primiparous	Number	%
	Multiparous	2227	57.96
Average height(cm):		1615	42.04
Average pre-pregnant weight(kg):		159	
Education level:	None	Number	%
	Primary	32	0.83
	Secondary	32	0.83
	Tertiary	1451	37.77
Smoking habit:	Nonsmokers	2306	60.02
	=<20 per day	3822	99.48
	>20 per day	19	0.49
Non-entitled person:		0	0.00
		29	0.75

CONGENITAL ANOMALY OF GENITAL AND URINARY TRACT

Total number of cases	13
Incidence (%)	0.34

CARDIAC DISEASES

Total number of cases	65
Incidence (%)	1.69

	Number	%
Rheumatic heart disease	2	0.05
Congenital heart disease	20	0.52
Mitral valve prolapse	8	0.21
Arrhythmia	18	0.47
Others	17	0.44

GESTATIONAL DIABETES & PRE-EXISTING DIABETES MELLITUS

	Gestational DM#	Pre-existing DM
Total number of cases	555	13
Incidence(%)	14.45	0.34
Total no of babies	580	13
Incidence of CS	216	4
Incidence of CS (%)	33.65	62.50
Stillbirth	0	0
Neonatal death	0	0
Perinatal death	0	0
Large for date babies	44	3
(%)	7.58	23.08
Small for date babies	98	2
(%)	16.90	15.38

#According to WHO criteria

Previous categories of IGT and GDM are combined according to WHO recommendation

BLOOD DISORDERS

	Number	%
Anaemia	150	3.90
Iron deficiency	86	2.24
Alpha-thalassaemias	70	1.82
Beta-thalassaemias	52	1.35
Iron deficiency and thalasseмии	0	0.00
Others	100	2.60

RENAL DISEASES

Total number of cases	8
Incidence (%)	0.21

LIVER DISEASES

Total number of cases	18
Incidence (%)	0.47

RESPIRATORY DISEASES

Total number of cases	33
Incidence (%)	0.86

GASTROINTESTINAL/GALL BLADDER DISEASES

Total number of cases	0
Incidence (%)	0.00

EPILEPSY

Total number of cases	2
Incidence (%)	0.05

OTHER NEUROLOGICAL DISEASES

Total number of cases	17
Incidence (%)	0.44

PSYCHIATRIC DISEASES

Total number of cases	77
Incidence (%)	2.00

AUTOIMMUNE DISEASES

Total number of cases	27
Incidence (%)	0.74

THYROID DISEASES

Total number of cases	112
Incidence (%)	2.92

SURGICAL DISEASES

Total number of cases	12
Incidence (%)	0.31

MALIGNANT DISEASES

Total number of cases	6
Incidence (%)	0.16

SEXUALLY TRANSMITTED DISEASES

Total number of cases	6
Incidence (%)	0.16

Types	Cases
Syphilis	1
Gonorrhoea	0
Herpes	1
Condyloma acuminata	0
Chlamydia	3
Combination of above/others	2

OTHER INFESTATIONS/INFECTIONS

Total number of cases	665
Incidence (%)	17.31

Types	Cases
Moniliasis	0
Trichomoniasis	1
Combination/others	664

OTHER ASSOCIATED CONDITIONS

	Cases	%
Hyperemesis gravidarum	0	0.00
Skin diseases	14	0.36
Kyphoscoliosis	6	0.16
Incompetent os	7	0.18
Drug addiction	3	0.08
Rhesus negative mothers	65	1.69
Others	12	0.31

HYPERTENSION IN PREGNANCY*

Total number of cases 219
Incidence (%) 5.70

Primiparous 150
Multiparous 69

Type	Cases	Induced labour	Caesarean# section	SB#	NND#	PND#
Gestational HT	85	49	40	0	0	0
G. Proteinuria	34	18	17	0	0	0
G. P. HT	92	39	67	0	1	1
Chronic HT	8	4	3	0	0	0
C. HT with PET	9	3	8	0	0	0
Unclassifid HT/P	28	10	19	0	0	0
Eclampsia	0	0	0	0	0	0

Perinatal Mortality = 4.1/1000 total births

*according to Davey & MacGillivray(1988)

#No. of babies

ANTEPARTUM HAEMORRHAGE

Total number of cases	146
Incidence (%)	3.80

Mode of delivery of fetus versus types of antepartum haemorrhage*

Mode of Delivery	Placenta Praevia	Accidental haemorrhage	APH of ? origin	Extra Placental
Spontaneous	4	0	57	5
Vac. extract.	0	0	13	1
Low forceps	0	0	3	1
Vag. Breech	0	0	1	0
Elective CS	18	0	5	1
Emergency CS & oth	22	5	24	3
Total	44	5	103	11

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

Outcome of fetus versus causes of antepartum haemorrhage*

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

*No of babies

PRETERM DELIVERIES

Total number of cases			273
Incidence (%)			6.88
Parity	Total	Cases	%
Primiparous	2320	170	7.33
Multiparous	1646	103	6.26
Outcome		Cases	Rate (per 1000)
Stillbirth-antepartum		18	29.30
Stillbirth-intrapartum		0	0.00
Stillbirth-undetermined		0	0.00
Neonatal death		8	29.30
Perinatal death		15	54.95
Mode of delivery		Cases	%
Spontaneous vaginal delivery		101	37.00
Vacuum extraction		2	0.73
Low forceps		2	0.73
Vaginal breech delivery		11	4.03
Elective caesarean section		18	6.59
Emergency CS & others		139	50.92
Birth weight		Cases	%
<2500 g		159	58.24
<1500 g		50	18.32
<1000 g		25	9.16
Number of pregnancies	Total	Cases	%
Singleton	3720	191	5.13
Multiple pregnancies	246	82	33.33

MULTIPLE GESTATION

Total cases	122
Incidence (%)	3.18
Primiparous	91
Multiparous	31
Twins	119
Triplets	3
Quadruplets & higher order	0
Total number of babies	246
Preterm < 37 weeks	82
> = 37 weeks	164
Induced labour	10
Incidence of induced labour (%)	8.20

Mode of delivery versus number of babies

	1st baby	2nd baby	3rd baby
Spontaneous vaginal	11	6	0
Vacuum extraction	1	0	0
Low forceps	0	0	0
Vaginal breech delivery	0	4	0
Other vaginal delivery	0	0	0
Caesarean section & others	110	111	3

Outcome of fetus versus number of babies

	1st baby	2nd baby	3rd baby
Livebirths	121	120	3
Stillbirth - antepartum	1	1	0
Stillbirth – intrapartum	0	0	0
Stillbirth – undetermined	0	0	0
Neonatal death	0	0	0
Perinatal death	1	1	0

POSTPARTUM HAEMORRHAGE

Total number of cases	140
Incidence (%)	3.64
Primiparous	98
Multiparous	42

Types	Cases	%
Primary PPH	130	3.38
Secondary PPH	10	0.26

Causes of Primary PPH

Causes	Cases
Uterine atony	75
Retained gestational product	25
Ruptured uterus	0
Cervical tear	13
Vaginal tear	7
Perineal wound	24
Genital haematoma	3
Uterine inversion	1
Consumptive coagulopathy	0
Others	8

Causes of Secondary PPH

Causes	Cases
Retained gestational product	3
Genital tract infection	5
Others	2

MANUAL REMOVAL OF PLACENTA

Total number of cases	31
Incidence (%)	0.81

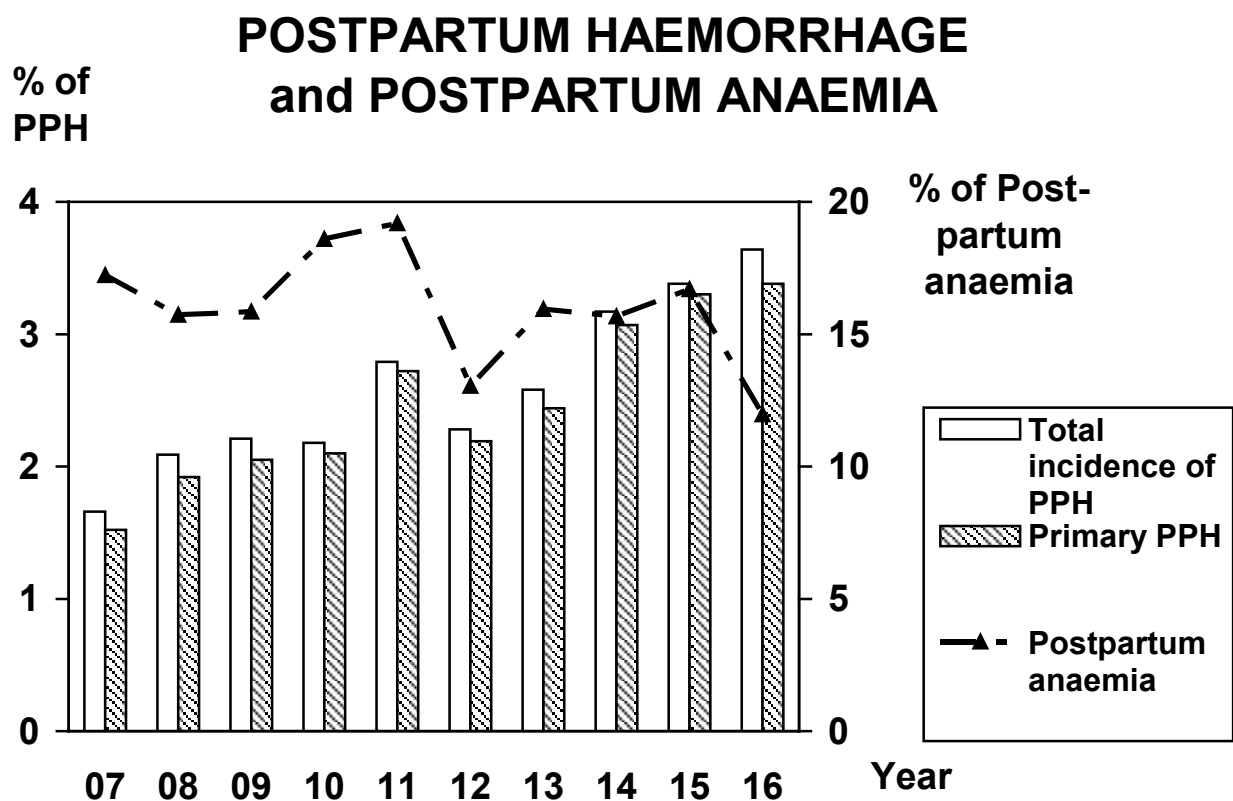
POSTPARTUM ANAEMIA*

	Total	Cases	Incidence(%)
Primiparous	2227	303	13.61
Multiparous	1615	157	9.72
Total	3842	460	11.97

Mode of delivery#	Total	Cases	Incidence(%)
Spontaneous vaginal	2460	245	9.96
Vacuum extraction	253	40	15.81
Low forceps	128	27	21.09
Vaginal breech	16	3	18.75
Elective CS	448	53	11.83
Emergency CS & others	661	111	16.79

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

#No of babies



PUERPERAL PYREXIA

Total number of cases	72
Incidence (%)	1.87
Primiparous	52
Multiparous	20

Causes	Cases
Reactionary	37
Breast problem	0
Urinary tract infection	6
Genital tract infection	10
Wound infection	1
Other causes	4
Unknown	15

Mode of delivery	Total*	Cases*	Incidence(%)
Spontaneous vaginal	2460	23	0.93
Vacuum extraction	253	5	1.98
Low forceps	128	2	1.56
Vaginal breech	16	0	0.00
Elective caesarean section	448	6	1.34
Emergency CS and others	661	40	6.05

*No of babies

OTHER COMPLICATIONS

	Cases	%
Third degree tear	22	0.57
Other genital tract trauma	25	0.65
Ruptured uterus without PPH	0	0.00
Hysterectomy	2	0.05

INDUCTION OF LABOUR

Total number of cases 1249
 Incidence (%) 32.51

Parity	Total	Cases	Incidence(%)
Primiparous	2227	962	43.20
Multiparous	1615	287	17.77

Outcome of babies	Cases
Stillbirth - antepartum	9
Stillbirth - intrapartum	0
Stillbirth - undetermined	0
Neonatal deaths	2
Perinatal deaths	9

Mode of delivery	Cases	%
Spontaneous vaginal	763	60.60
Vacuum extraction	115	9.13
Low forceps	58	4.61
Vaginal breech	4	0.32
Caesarean section	319	25.34
Total*	1259	

Outcome of Induction#	Cases	%
Successful	979	78.38
Failure	270	21.62

*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	13	11
Maternal disease	7	4
Bad obstetric history	0	2
Past term	97	37
Hypertension ass. with pregnancy	39	14
Prelabour rupture of membranes	563	125
Antepartum haemorrhage	19	7
Multiple pregnancy	0	1
Suspected IUGR	24	8
Intrauterine death	6	2
Fetal anomaly	0	8
Suboptimal Cardiotocogram	80	23
Social reason	1	1
Others	157	65

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

Induction delivery interval (mean) 9.33 hours

Induction delivery interval in whole group	Number	%
1-10 hours	745	59.17
11-20 hours	482	38.28
>20 hours	32	2.54

TYPES OF LABOUR

Outcome of fetus versus types of labour

Type	not in labour	spon. onset	augmented labour	induced labour	total
Total births	744	1811	152	1259	3966
Stillbirth rate/1000	1 1.34	5 2.76	0 0.00	9 7.15	15 3.78
NN death rate/1000	6 8.06	5 2.76	0 0.00	2 1.59	13 3.28
PN death rate/1000	6 8.06	9 4.97	0 0.00	9 7.15	24 6.05

Mode of delivery versus types of labour

Mode of delivery	not in labour	spon. onset	augmented labour	induced labour	total
Total births	744	1811	152	1259	3966
Spontaneous vaginal (%)	2 0.27	1604 88.57	91 59.87	769 60.60	2460 62.03
Vacuum extract (%)	0 0.00	104 5.74	34 22.37	115 9.13	253 6.38
Low forceps (%)	0 0.00	56 3.09	14 9.21	58 4.61	128 3.23
Vaginal breech (%)	0 0.00	11 0.61	1 0.66	4 0.32	16 0.40
CS & others (%)	742 99.73	36 1.99	12 7.87	319 25.34	1109 27.96

OBSTETRIC ANALGESIA DURING LABOUR

Patients with Intrapartum Epidural	488	
Primiparous	409	
Multiparous	79	
Epidural Rate	12.70	
	Number	%
Number with induction of labour	373	76.43
	Number	%
Mode of delivery		
Normal spontaneous	235	47.86
Vacuum extraction	77	15.68
Forceps delivery	41	8.35
Vaginal breech delivery	2	0.41
Caesarean section	136	27.70
	First	Second
Duration of first and second stages (in minutes)		
Without epidural	113	20
With epidural	208	73

PREGNANCY FOLLOWING PREVIOUS CAESAREAN SECTION

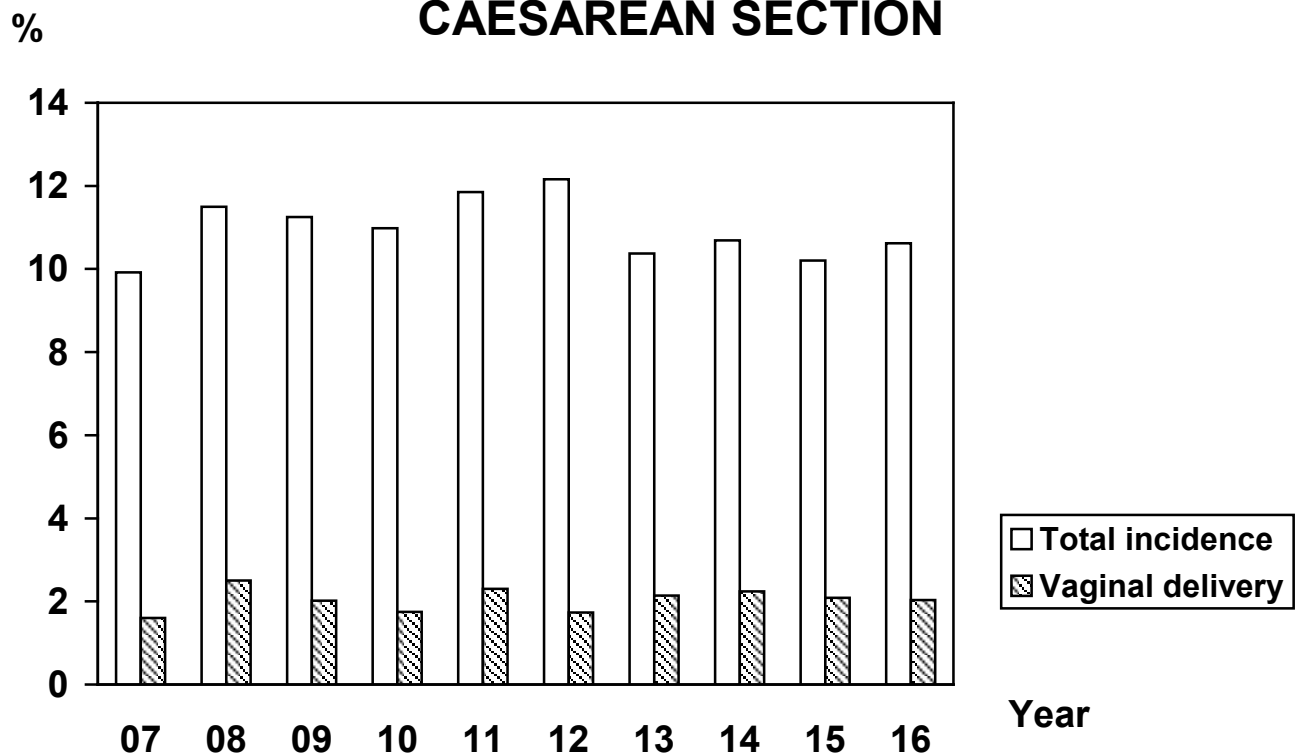
Total number of cases	408
Incidence (%)	10.62

Outcome of fetus	Cases*	Rate
Stillbirth	2	4.76
Neonatal death	0	0.00
Perinatal death	2	4.76

Mode of delivery	Cases*	%
Spontaneous vaginal delivery	64	15.69
Vacuum extraction	10	2.45
Low forceps	3	0.74
Vaginal breech delivery	1	0.25
Elective caesarean section	230	56.37
Emergency CS & others	112	27.45

*No of babies

PREGNANCY FOLLOWING PREVIOUS CAESAREAN SECTION



BREECH PRESENTATION

At delivery

Total number of cases	236
Incidence (%)	5.95

Parity	Total	Cases	%
Primiparous	2320	162	6.98
Multiparous	1646	74	4.50

Outcome	Cases	Rate (per 1000)
Stillbirth-ante partum	2	8.47
Stillbirth-intrapartum	0	0.00
Stillbirth-undetermined	0	0.00
Neonatal death	5	21.19
Perinatal death	7	29.66

Mode of delivery	Cases	%
Assisted breech delivery	15	6.36
Other vaginal breech delivery	1	0.42
Elective caesarean section	108	45.76
Emergency CS & others	112	47.46

Gestational age at delivery	Total	Cases	%
<37 weeks	273	58	21.25
37-40 weeks	3324	175	5.26
>40 weeks	369	3	0.81

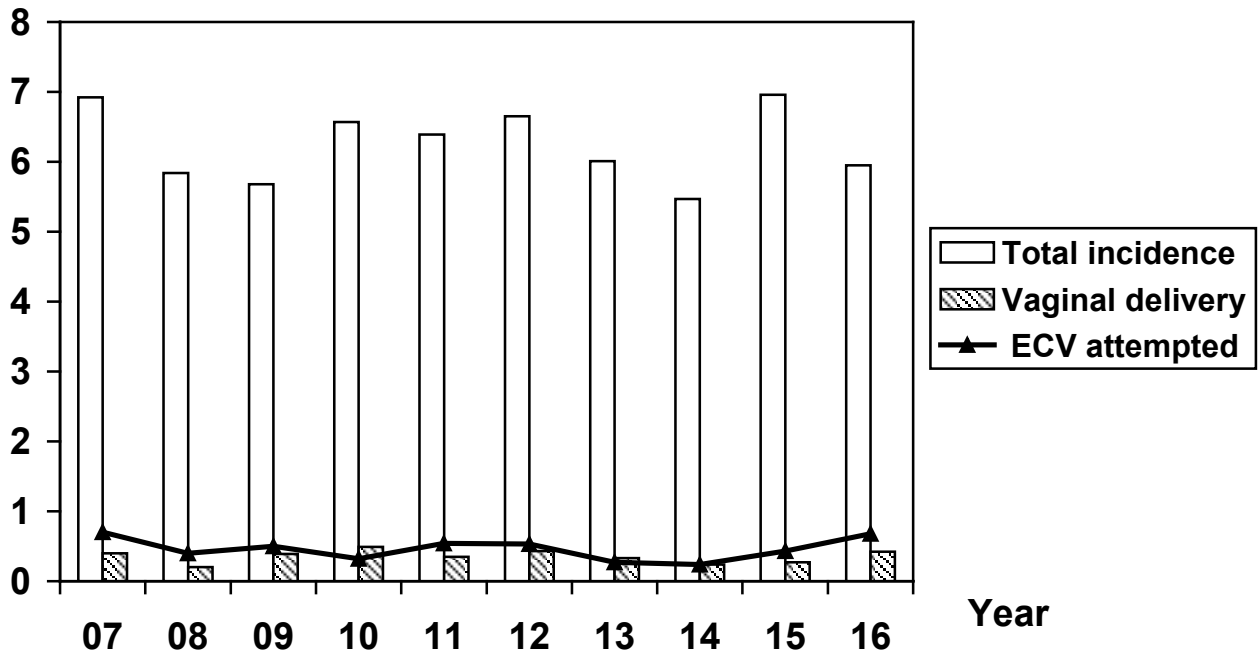
Number of pregnancies	Total	Cases	%
Singleton	3720	161	4.33
Multiple pregnancies	246	75	30.49

External Cephalic Version (ECV)

Parity	Cases	Successful	Successful %
Primiparous	16	3	18.75
Multiparous	10	7	70.00
Total	26	10	38.46

%

BREECH PRESENTATION



MALPRESENTATION OTHER THAN BREECH PRESENTATION*

Total number of cases	12
Incidence (%)	0.30

Mode of delivery	Face/brow	Compound	Transverse
Spontaneous vaginal	1	0	0
Vacuum extraction	0	0	0
Low forceps	0	0	0
Vaginal breech	0	0	0
Elective CS	0	0	5
CS & others	2	1	3
Total	3	1	8

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

*Excluding malposition of occiput.

PROLAPSE & PRESENTATION OF UMBILICAL CORD

Total number of cases	5
Incidence (%)	0.13

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	3715	4	80.00
Breech : extended leg(s)	107	0	0.00
flexed legs	108	1	20.00
footling	21	0	0.00
Face/brow	3	0	0.00
Compound	1	0	0.00
Transverse/oblique	8	0	0.00
Others	2	0	0.00

Mode of delivery	Cases	%
Spontaneous vaginal	0	0.00
Vacuum extraction	0	0.00
Low forceps	2	40.00
Assisted breech delivery	0	0.00
Other breech delivery	0	0.00
Caesarean section	3	60.00

MODE OF OPERATIVE DELIVERY

Total number of cases	1490
Incidence (%)	37.57

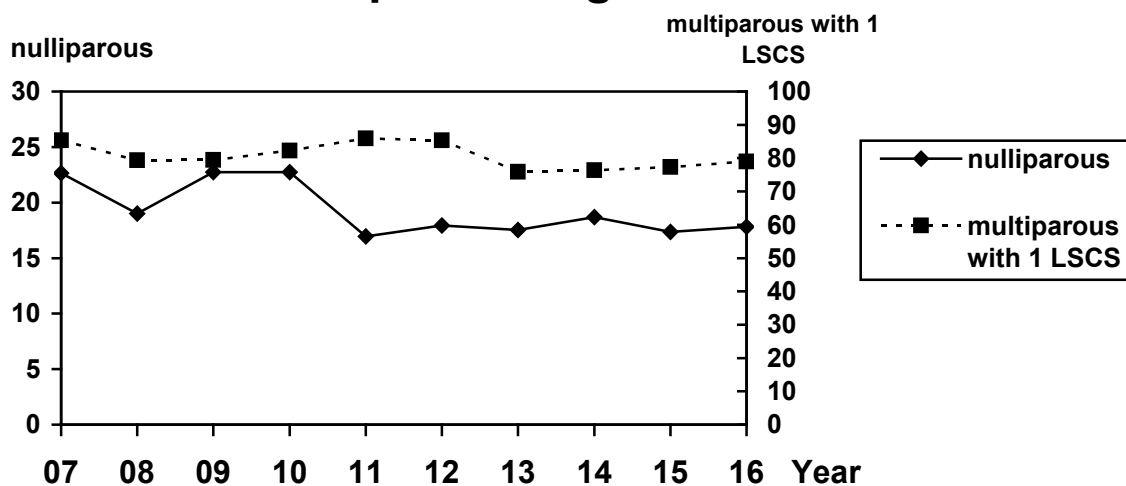
Parity	VE	Forceps	CS
Primiparous	215	113	661
Multiparous	38	15	448
Total	253	128	1109
Incidence (%)	6.38	3.23	27.96

Types of abdominal delivery	Number
Elective LSCS	447
Elective classical CS	1
Emergency LSCS	650
Emergency Classical CS	11
Caesarean hysterectomy	0
Others (laparotomy etc.)	0

LSCS in term, singleton, vertex presenting fetuses	Number	CS	%
Nulliparous parturients	1942	346	17.81
Multiparous parturients with 1 previous LSCS	304	240	78.95

Outcome of fetus	VE	LF	Elective CS	Emergency CS & others
Livebirths	253	128	447	660
Stillbirths	0	0	1	1
Neonatal death	0	0	1	5
Perinatal death	0	0	1	6

LSCS rate in term, singleton, vertex presenting fetuses



INDICATIONS FOR ASSISTED DELIVERY*

Indication	VE	LF
Maternal disease	2	0
Maternal distress	1	1
Previous caesarean section	0	1
Obstetric complications	0	0
Fetal distress	51	36
Cord prolapse	0	1
Prolonged second stage	151	65
Others	5	0

INDICATIONS FOR CAESAREAN SECTIONS

Indication	CS
GDM/DM	0
Maternal disease	7
Previous uterine scar	301
Bad obstetric history	0
Antepartum haemorrhage	65
Hypertension	24
Multiple pregnancy	208
Fetal distress	94
Cord prolapse	2
Intrauterine growth retardation	13
Malpresentation/lie	127
No progress	32
Cephalopelvic disproportion	7
Contracted/unfavourable pelvis	1
Failed instrumental delivery	7
Tumour/anomaly	0
Failed induction	181
Elderly/Infertility	0
Suspected macrosomia	0
Social reason	0
Others	81

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

APGAR SCORE AT BIRTH VERSUS MODE OF DELIVERY*

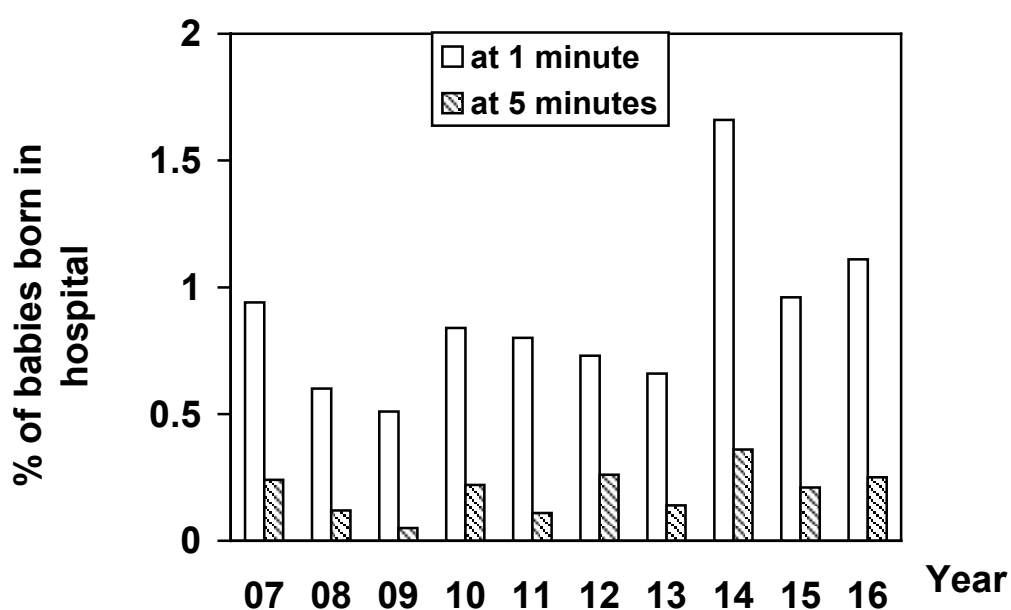
Apgar score at 1 minute

Method of delivery	AS <4	AS 4-6	AS >6	Subtotal
Spontaneous vaginal	8	42	2400	2450
Vacuum extraction	4	24	225	253
Low forceps	2	7	119	128
Vaginal breech	5	4	7	16
Elective CS	4	20	424	448
Emergency CS & others	21	86	554	661
Total	44	183	3729	3956
%	1.11	4.63	94.26	

Apgar score at 5 minute

Method of delivery	AS <4	AS 4-6	AS >6	Subtotal
Spontaneous vaginal	3	4	2443	2450
Vacuum extraction	0	2	251	253
Low forceps	0	1	127	128
Vaginal breech	2	2	12	16
Elective CS	0	4	444	448
Emergency CS & others	5	8	648	661
Total	10	21	3925	3956
%	0.25	0.53	99.22	

NEONATAL ASPHYXIA* (APGAR SCORES LESS THAN 4)



*Excluding babies born before arrival

PERINATAL DATA

Total livebirths & stillbirths	3966
Primiparous	2320
Multiparous	1646
Born before arrival	10
Total livebirths	3951
Primiparous	2308
Multiparous	1643

BASIC INFORMATION

Total birth \geq 500 g	3963
Average birthweight(kg)	3071 (sd=551)
Stillbirth \geq 500 g	13
Early (1st week) neonatal deaths	8
Late (2nd-4th wk) neonatal deaths	4
Total birth \geq 1 kg	3940
Stillbirth \geq 1 kg	11
Early (1st week) neonatal deaths	4
Late (2nd-4th wk) neonatal deaths	4
Stillbirths with lethal malformations	0
Neonatal deaths with lethal malformations	5
Perinatal deaths with lethal malformations	1
Lethal malformation rate per 1000 births	1.26

EXCLUDING LETHAL MALFORMATION (including $<$ 1 kg)

Stillbirth rate per 1000 total births(n=15)	3.78
Neonatal mortality rate /1000 livebirths(n=8)	2.02
Perinatal mortality rate /1000 total births(n=23)	5.80

EXCLUDING BIRTH $<$ 1 kg (including malformation)

Stillbirth rate per 1000 total births(n=11)	2.77
Neonatal mortality rate /1000 livebirths(n=8)	2.02
Perinatal mortality rate /1000 total births(n=15)	3.78

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

Stillbirth rate per 1000 total births(n=11)	2.77
Neonatal mortality rate /1000 livebirths(n=3)	0.76
Perinatal mortality rate /1000 total births(n=14)	3.53

SUMMARY OF FETAL LOSS

		Stillbirths	
	Total	No of	Rate(per 1000)
Total	3966	15	3.78
Booked	3847	15	3.90
Non-booked	119	0	0.00
Primiparous	2320	12	5.17
Multiparous	1646	3	1.82

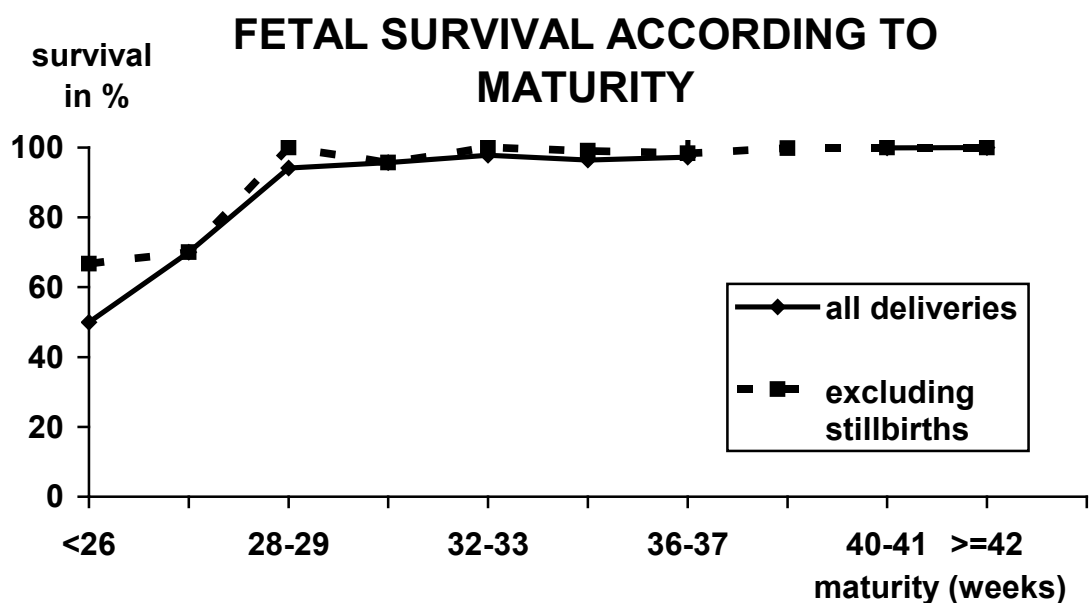
		Neonatal deaths	
	Livebirths	No of	Rate(per 1000)
Total	3951	13	3.29
Booked	3832	8	2.09
Non-booked	119	5	42.02
Primiparous	2308	7	3.03
Multiparous	1643	6	3.65

		Perinatal deaths	
	Total	No of	Rate(per 1000)
Total	3966	24	6.05
Booked	3847	20	5.20
Non-booked	119	4	33.61
Primiparous	2320	17	7.33
Multiparous	1646	7	4.25

FETAL LOSS VERSUS GESTATIONAL AGE*

Gestational age (weeks)	Total births	Live Births	Stillbirth	Neonatal deaths	Perinatal deaths
<26	8	6	2	2	4
rate /1000			250.00	333.33	500.00
26-27	10	10	0	3	3
rate /1000			0.00	300.00	300.00
28-29	17	16	1	0	1
rate /1000			58.82	0.00	58.82
30-31	23	23	0	1	0
rate /1000			0.00	43.48	0.00
32-33	45	44	1	0	1
rate /1000			22.22	0.00	22.22
34-35	111	108	3	1	4
rate /1000			27.03	9.26	36.04
36-37	184	182	2	3	5
rate /1000			10.87	16.48	27.17
38-39	1295	1291	4	3	5
rate /1000			3.09	16.48	27.17
40-41	2269	2267	2	1	2
rate /1000			0.88	0.44	0.88
>=42	4	4	0	0	0
rate /1000			0.00	0.00	0.00
Total	3966	3951	15	13	24

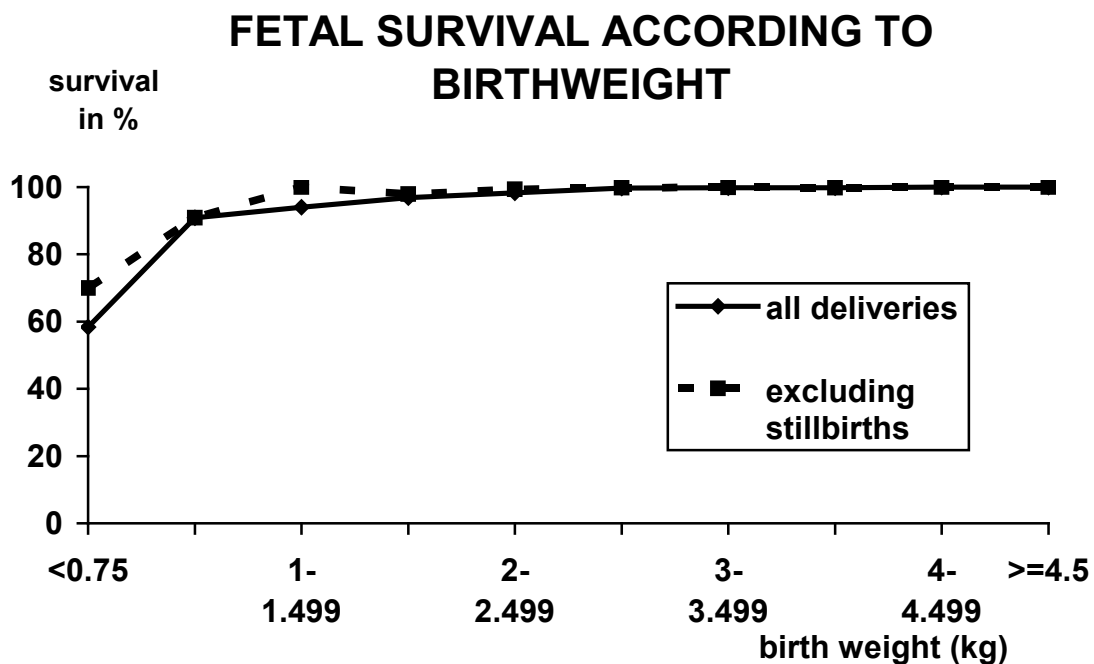
* For this analysis, the gestational age was calculated to the nearest week basing on either a reliable L.M.P. or when this was not available, an early ultrasound dating scan or the postnatal assessment of the newborn with Dubowitz score. Babies with inadequate assessment are excluded.



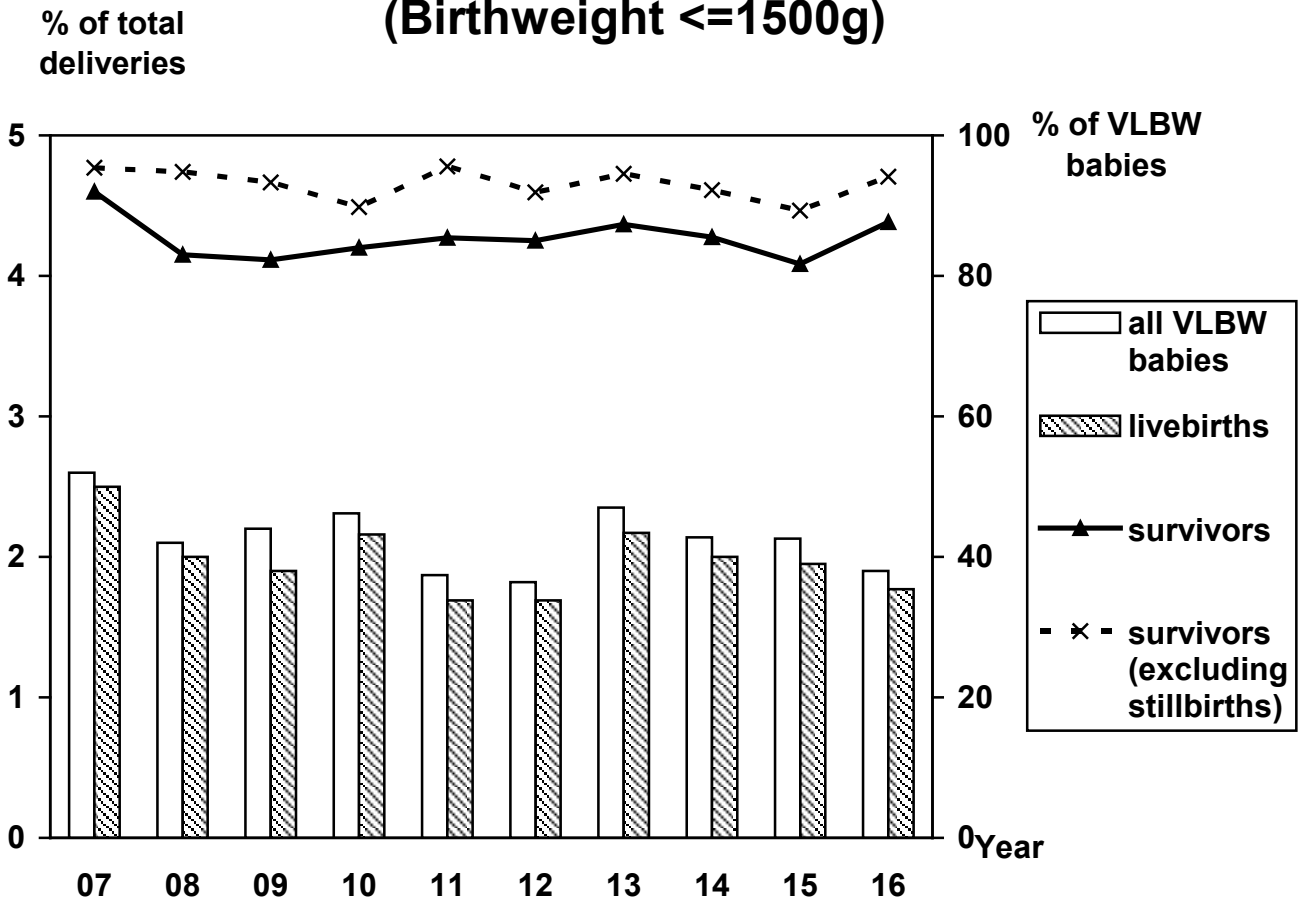
NUMBER OF FETAL LOSS VERSUS BIRTH WEIGHT*

Birth weight in grammes	Total births	Live Births	Still births	Neonatal deaths	Perinatal deaths
500-749	12	10	2	3	5
rate /1000			166.67	300.00	416.67
750-999	11	11	0	1	1
rate /1000			0.00	90.91	90.91
1000-1499	50	47	3	0	3
rate /1000			60.00	0.00	60.00
1500-1999	95	94	1	2	2
rate /1000			10.53	21.28	21.05
2000-2499	293	290	3	2	5
rate /1000			1.75	6.90	17.06
2500-2999	1044	1043	1	2	5
rate /1000			0.96	1.92	17.06
3000-3499	1712	1709	3	1	3
Rate /1000			1.75	0.59	1.75
3500-3999	659	659	0	1	0
rate /1000			0.00	0.52	0.00
4000-4499	77	77	0	0	0
rate /1000			0.00	0.00	0.00
>=4500	10	10	0	0	0
rate /1000			0.00	0.00	0.00
Total	3963	3950	13	12	21

*Babies with unknown birth weight excluded.



OUTCOME OF VLBW BABY (Birthweight ≤1500g)



GESTATIONAL AGE AND FUNCTIONAL MATURITY

	S.G.A.	A.G.A.	L.G.A.	Total
Preterm	70	200	3	273
Term	546	2868	275	3689
Postterm	1	3	0	4
Total	617	3071	278	3966
(%)	15.56	77.43	7.01	

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	0
2. Isoimmunization	0
3. Pregnancy induced hypertension	0
4. Antepartum haemorrhage	1
5. Mechanical	2
6. Maternal disorder	1
7. Unclassifiable	1
8. Unexplained	10
9. Miscellaneous	0
Total	15

OBSTETRICAL CAUSES OF NEONATAL DEATHS

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

PAEDIATRIC CLASSIFICATION OF CAUSE OF NEONATAL DEATHS

Cause	Major	Attributory
Congenital anomaly	5	0
Haemolytic disease of newborn	0	0
Hypoxia	2	0
Birth trauma	0	0
Respiratory distress syndrome	0	1
Intracranial haemorrhage	2	0
Infection	3	0
Others	0	0
Miscellaneous	1	0

BIRTH TRAUMA

Total cases	21
Incidence (%)	0.53

TYPES OF BIRTH TRAUMA*

	Number	%
Cephalhaematoma/Scalp injury	9	0.23
Fractures	8	0.21
Intracranial haemorrhage	0	0.00
Nerve injury	1	0.03

*Each baby may have more than 1 type of trauma

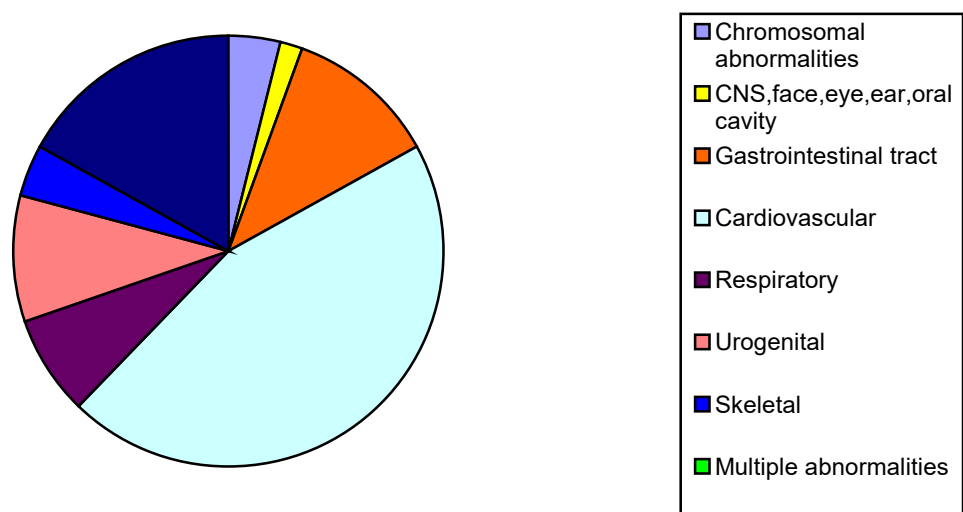
CONGENITAL MALFORMATION

Total number	52
Incidence (%)	1.35

TYPES OF MALFORMATIONS

	Number	%
Chromosomal abnormalities	2	3.85
CNS,face, eye, ear, oral cavity	1	1.92
Gastrointestinal tract	6	11.54
Cardiovascular system	24	46.15
Respiratory system	4	7.69
Urogenital system	5	9.62
Skeletal system	2	3.85
Multiple abnormalities	0	0.00
Others	9	17.31
Fetal mortality		
Stillbirth	0	
Neonatal deaths	2	
Perinatal deaths	0	
Incidence (%)		
among livebirths		1.32
among stillbirths		0.00
among neonatal deaths		15.38

TYPES OF CONGENITAL MALFORMATIONS



OTHER NEONATAL COMPLICATIONS

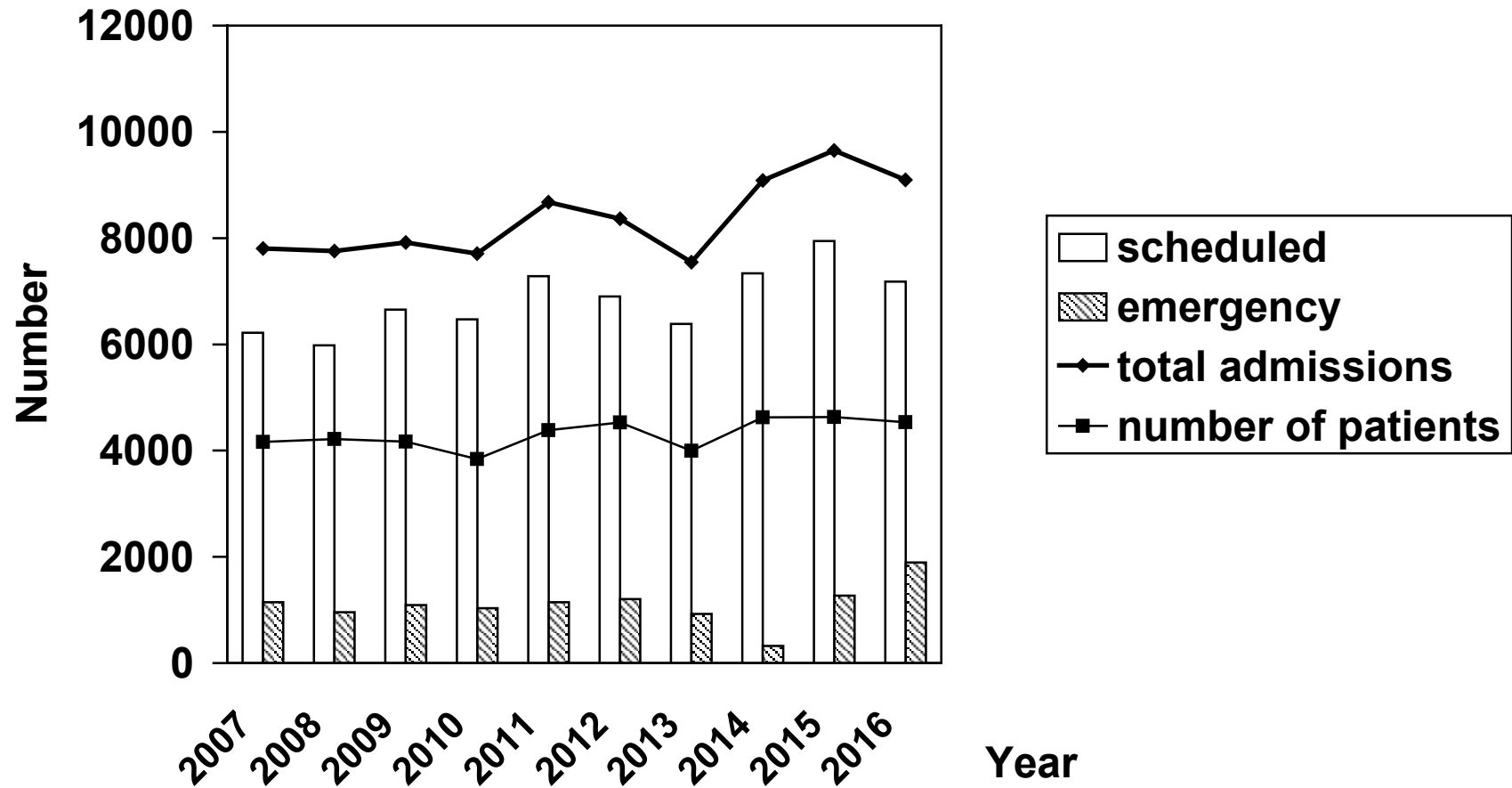
	Cases	%
Admission To Intensive Care Unit	112	2.82
Respiratory Distress Syndrome	26	0.66
Intraventricular Haemorrhage	38	0.96
Necrotising Enterocolitis	1	0.03
Congenital infection	2	0.05
Pneumonia	5	0.13
Meningitis	4	0.10
Septicaemia	11	0.28

GYNAECOLOGY

COMPARATIVE STATISTICS (2007 - 2016)

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Total admissions	7802	7757	7915	7706	8676	8365	7544	9083	9647	9097
Emergency	1146	945	1090	1035	1147	1205	924	1323	1270	1894
Scheduled [^]	6216	5980	6653	6469	7283	6900	6386	7337	7945	7182
Day cases only			618	360	679	1127	998	4244	4927	4483
Total number of patients admitted	4165	4217	4169	3840	4384	4531	3997	4626	4632	4535
Diseases of uterine cervix (%)#	7.6	7.8	8.1	9.9	7.0	7.7	6.5	6.0	5.1	8.1
Diseases of uterine body (%)#	16.3	17.8	17.4	21.3	20.6	19.2	19.1	17.5	18.1	19.6
Diseases of ovary (%)#	19.1	16.9	18.4	19.2	18.7	15.6	16.3	17.2	13.0	19.9
Diseases of menstruation (%)#	5.9	5.9	5.6	7.3	5.5	6.7	5.5	11.3	18.1	6.6
Disorders of pregnancy & reproduction (%)#	45.1	47.2	44.8	43.2	46.5	48.6	50.1	37.1	42.1	33.5
Major abdominal surgery for benign conditions*	256	273	295	286	274	276	205	350	368	
Major abdominal surgery for malignant conditions*	276	190	137	128	439	264	379	435	428	690
Major vaginal operations*	94	77	144	95	103	80	68	161	172	110
Major vulval operations	23	9	15	21	11	23	26	15	12	17
Endoscopic procedures	1042	966	1211	1161	1325	1543	1154	1607	1629	844
Assisted reproduction procedures	1638	1778	1733	1786	2030	2064	2081	2052	1984	1422
Minor abdominal operations	3	4	5	6	2	3	1	34	54	30
Other minor operations	1016	1210	1027	845	1098	1146	943	928	903	889
Death	16	17	15	23	20	5	17	16	31	32
# per total number of admissions										
[^] including day cases										
* excluding laparoscopic surgery										

ADMISSIONS TO GYNAECOLOGICAL WARDS

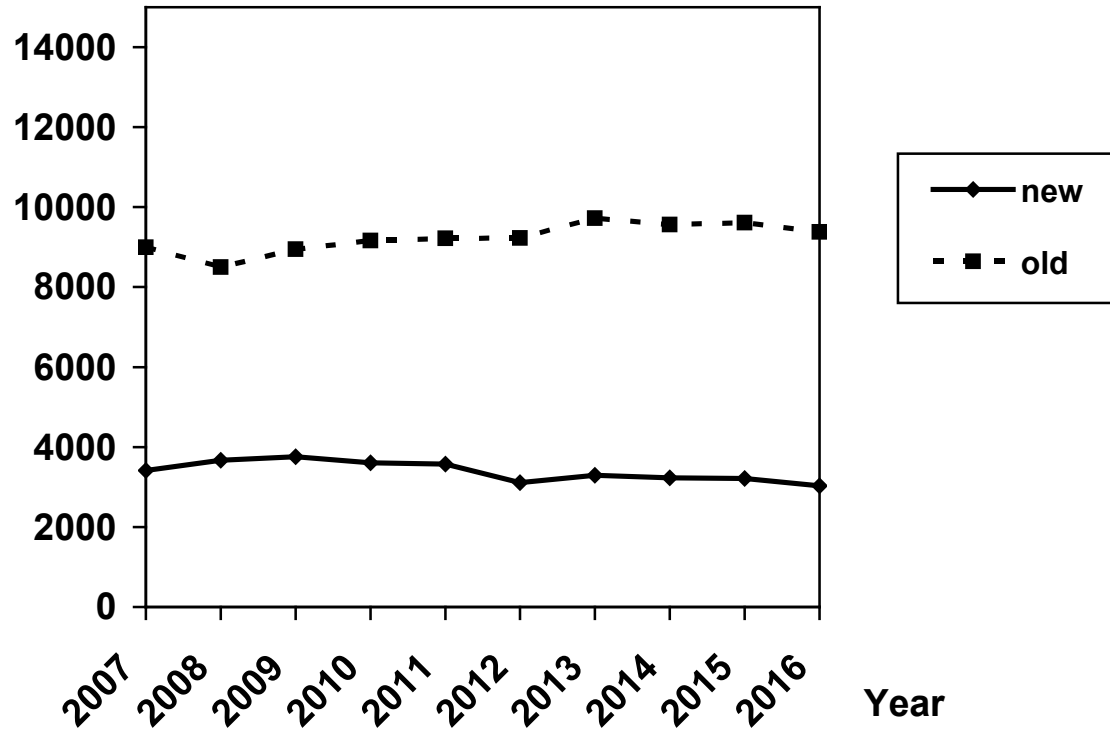


OUTPATIENTS STATISTICS

	New	Follow-up
<u>GENERAL GYNAECOLOGY CLINICS</u>		
General Gynaecology Specialist Clinic	3029	9378
Early Pregnancy Assessment Clinic	897	961
Preadmission Clinic	1414	
Termination of Pregnancy Clinic	729	5
Vulval Clinic	43	58
<u>SUBSPECIALTY CLINICS</u>		
Colposcopy		
Colposcopy Clinic	678	1427
Large loop excision of transformation zone	105	
Cryotherapy	9	
Gynaecological Oncology		
Gynaecology Oncology Follow-up	-	3363
Mole Clinic	16	891
Chemotherapy Clinic	-	1894
Palliative Care Clinic	27	115
Pre-Pregnancy Counselling Clinic	19	5
Reproductive Medicine		
Menopause Clinic	19	160
Menstrual Disorder Clinic	122	1060
Subfertility Assessment Clinic	144	134
Subfertility Clinic (IVF)	219	455
Recurrent Miscarriage Clinic	16	24
Reproductive Genetic Clinic	23	19
Male Infertility Clinic	4	8
Assisted Reproduction (Public)	-	3462
Assisted Reproduction (Private)	-	3246
Urogynaecology		
Urogynaecology Clinic	201	1392
Urodynamic study	14	
Private Gynaecology Clinics (including subspecialty consultations)	474	1179

Attendance at General Gynaecology Clinics

Number



ADMISSIONS AND DISCHARGES STATISTICS

Total number of admissions	9097
Total number of admitted patients	4535

Status at admission

	Number	%
Emergency	1894	20.8
Scheduled	7182	78.9
Transfer in	21	0.2
Day case*	4483	49.3
Unplanned readmission		

Status at discharge

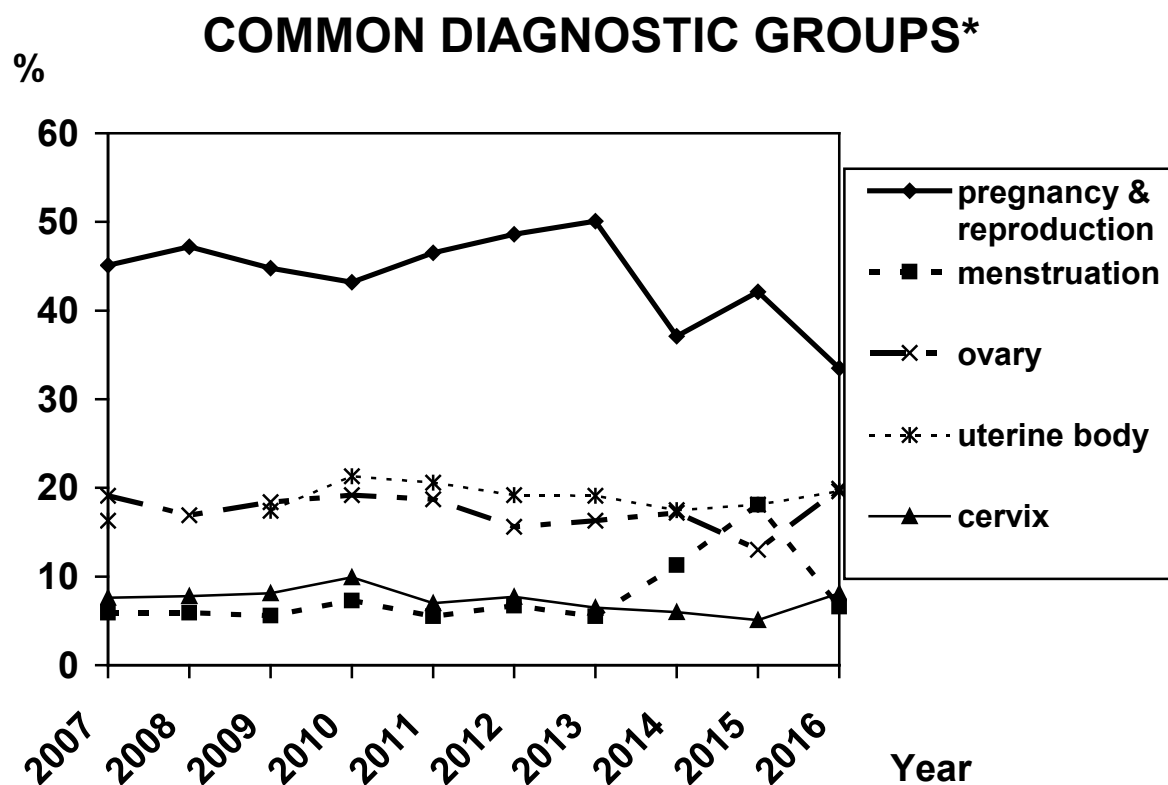
	Number	%
Discharge home	8988	98.8
Death	32	0.4
Transfer	19	0.2
DAMA	22	0.2
Transfer to convalescence	35	0.4
Walked away	1	<0.1

*Among all admissions

STATISTICAL SUMMARY

Diagnosis

	admissions		patients	
	number	%	number	%
Disease of vulva, perineum and urethra	120	1.3	103	2.3
Disease of vagina	87	1.0	74	1.6
Disease of uterine cervix	737	8.1	232	5.1
Disease of uterine body	1779	19.6	960	21.2
Disease of fallopian tube	268	2.9	219	4.8
Disease of ovary	1806	19.9	527	11.6
Disease of broad ligament and pelvic peritoneum	431	4.7	103	2.3
Disease of genital displacement/ urinary incontinence	48	0.5	43	0.9
Disease of menstruation	604	6.6	400	8.8
Disease of pregnancy and reproduction	3045	33.5	1854	40.9
Complications in pregnancy	71	0.8	58	1.3
Miscellaneous gynaecological condition	163	1.8	107	2.4
Miscellaneous non-gynaecological condition	2730	30.0	905	20.0



*per total number of admissions

Treatment

	Number	% (per total number of admissions)
Major abdominal surgery*#	690	7.6
Major vaginal operation*	110	1.2
Major vulval operation	17	0.2
Endoscopic procedures	844	9.3
Colposcopic related procedures	63	0.7
Assisted reproduction procedures	1289	14.2
Minor abdominal operations	30	0.3
Other minor operations	889	9.8
Radiotherapy	162	1.8
Other forms of treatment	4453	49.0

#Statistics for major abdominal surgery for benign and malignant conditions were combined

* excluding laparoscopic surgery

Complications

	Number	% (per total number of admissions)
Bowel injury	3	0.03
Urinary tract injury	5	0.05
Perforation of uterus	7	0.08
Major vascular complication	2	0.02
Deep vein thrombosis	1	0.01
Conversion of laparoscopic procedure to laparotomy	1	0.01
Other intraoperative complications	5	0.05
Cardiopulmonary arrest (intro-operative)	0	0.00
Fever	14	0.15
Chest Infection	1	0.01
Urinary tract infection	13	0.14
Excessive operative blood loss	22	0.24
Wound complication	9	0.10
Post-operative haemorrhage	7	0.08
Other postoperative complications	8	0.09

DIAGNOSIS

Diseases of Vulva, Perineum and Urethra

	Admissions	Patients
Total	120	103
Congenital anomaly	0	0
Trauma	1	1
Infection (including Bartholin's abscess)	59	56
Benign neoplasm	1	1
Malignant neoplasm	17	7
Retention cyst	9	9
Vulval dystrophy	11	8
Urethral lesions	5	5
Miscellaneous	18	18

Diseases of Vagina

	Admissions	Patients
Total	87	74
Congenital anomaly	4	3
Trauma	4	4
Infection	14	13
Benign neoplasm	3	3
Malignant neoplasm	15	6
Retention cyst	2	2
Fistula	5	5
Vaginal intraepithelial neoplasia	8	8
Atrophic vaginitis	4	4
Miscellaneous	31	29

Diseases of Uterine Cervix

	Admissions	Patients
Total	737	232
Congenital anomaly	0	0
Trauma	0	0
Infection	1	1
Benign neoplasm (including polyp)	58	54
Carcinoma of cervix	598	126
Other malignancy	10	3
Cervical intraepithelial neoplasia	43	29
Miscellaneous	28	26

Diseases of Uterine Body

	Admissions	Patients
Total	1779	960
Congenital anomaly	23	20
Trauma	9	9
Infection	44	41
Fibromyoma	329	264
Carcinoma of corpus	697	192
Other malignancy	129	22
Myohyperplasia	0	0
Endometrial polyp	393	330
Adenomyosis	94	70
Endometrial hyperplasia	48	34
Atrophic endometritis	9	9
Miscellaneous	82	79

Diseases of Fallopian Tubes

	Admissions	Patients
Total	268	219
Acute pelvic inflammatory disease	161	148
Chronic pelvic inflammatory disease	50	48
Tuberculous salpingitis	0	0
Benign neoplasm	50	20
Malignant neoplasm	40	7
Miscellaneous	5	5

Diseases of Ovary

	Admissions	Patients
Total	1806	527
Retention/functional cyst	12	12
Endometriotic cyst	98	95
Benign tumour/cyst	235	209
Primary malignant epithelial tumour	1268	195
Primary malignant non-epithelial tumour	42	10
Secondary malignant tumour	0	0
Borderline malignant tumour	9	8
Miscellaneous	175	109

Diseases of Broad Ligaments and Pelvic Peritoneum

	Admissions	Patients
Total	431	103
Pelvic endometriosis	21	19
Parovarian cyst	5	5
Peritoneal carcinoma	364	39
Miscellaneous	43	42

Genital Displacements / Urinary Problems

	Admissions	Patients
Total	48	43
Uterine prolapse	10	9
Cystocoele/urethrocoele/enterocoele/rectocoele	32	29
Stress incontinence	3	2
Detrusor instability	0	0
Vault prolapse	0	0
Sensory urgency	0	0
Voiding difficulty	0	0
Other urinary disorders	21	19
Miscellaneous	0	0

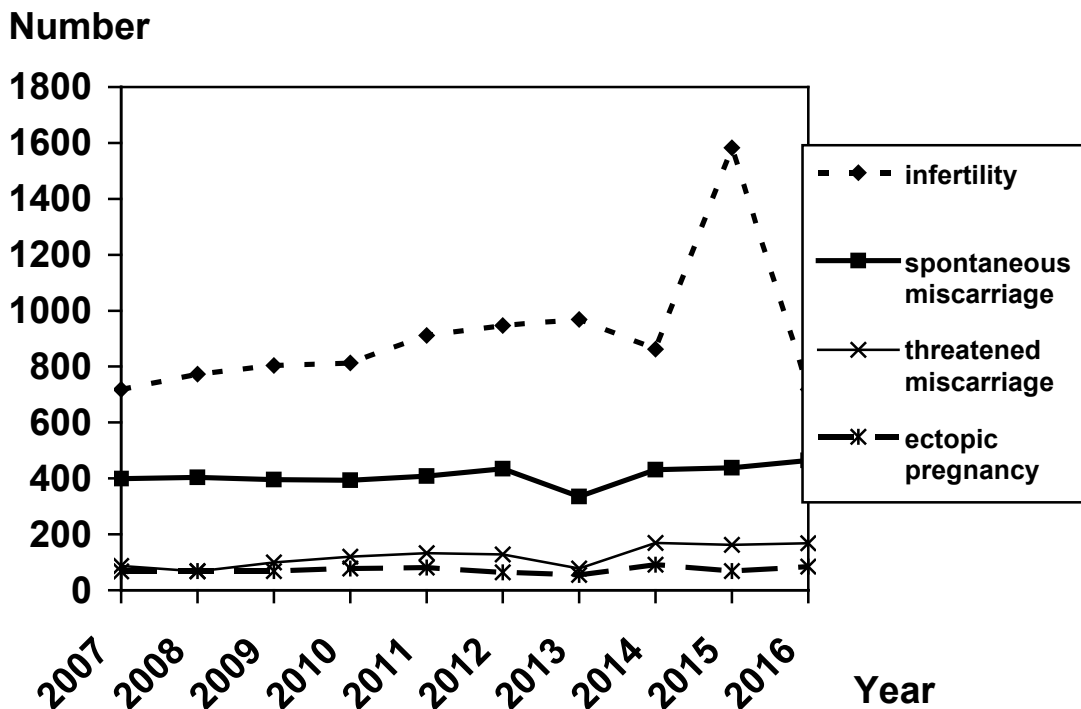
Disorders of Menstruation

	Admissions	Patients
Total	604	400
Primary amenorrhoea	0	0
Secondary amenorrhoea	1	1
Dysfunctional uterine bleeding	133	128
Postmenopausal bleeding	111	105
Dysmenorrhoea	28	25
Menorrhagia	351	297
Miscellaneous	5	5

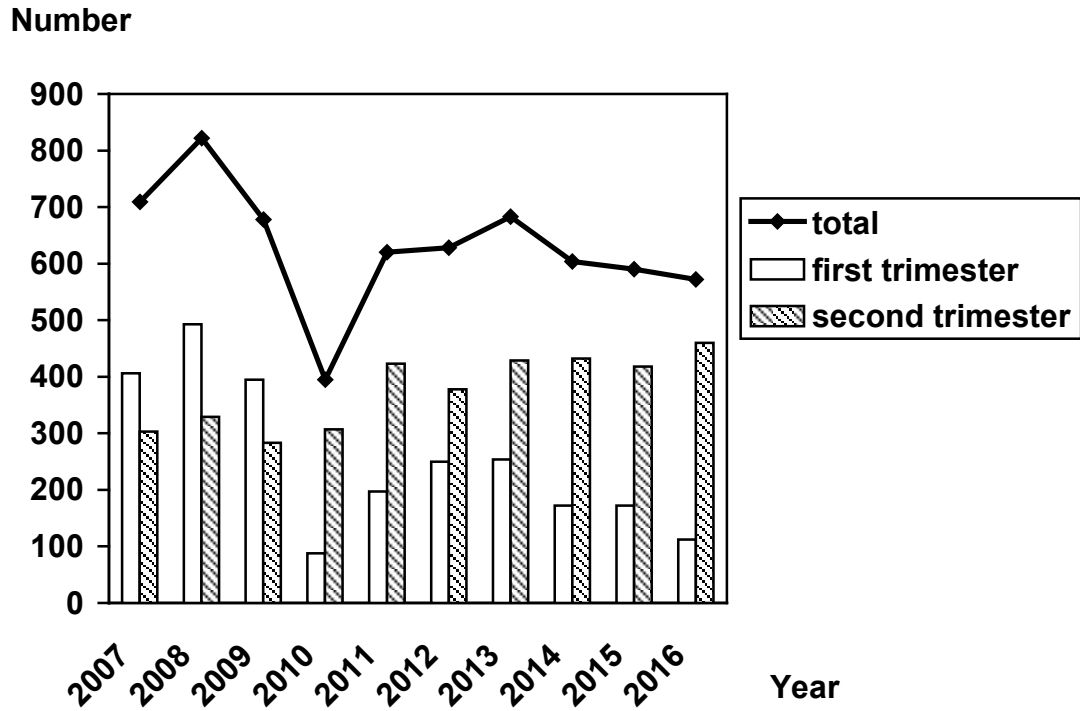
Disorders of Pregnancy and Reproduction

	Admissions	Patients
Total	3045	1854
Infertility	1441	718
Hyperemesis gravidarum	55	39
Threatened miscarriage	176	168
Spontaneous/silent miscarriage	523	464
Complete mole	21	16
Partial mole	4	4
Gestational trophoblastic neoplasia	82	12
Secondary postpartum haemorrhage	15	15
Other puerperal problems	17	17
Ectopic pregnancy	96	85
First trimester termination of pregnancy	112	112
Second trimester termination of pregnancy	488	460
Tubal occlusion	6	6
Pregnancy after Sterilization/tubal occlusion	0	0
Ovarian hyperstimulation syndrome	7	7
Miscellaneous	128	61

NUMBER OF PATIENTS ADMITTED FOR INFERTILITY, MISCARRIAGE & ECTOPIC PREGNANCY



NUMBER OF PATIENTS ADMITTED FOR TERMINATION OF PREGNANCY



Complications in Pregnancy

	Admissions	Patients
Total	71	58
Benign tumour of genital tract	6	6
Malignant tumour of genital tract	0	0
Medical diseases	32	30
Surgical diseases	0	0
Non-specific abdominal pain	36	36

Miscellaneous Gynaecological Conditions

	Admissions	Patients
Total	163	107
Retained IUCD	20	20
Abdominal pain of unknown cause	120	113
Complication of treatment in the same unit	4	4
Complication of treatment in other unit	2	2
Translocated IUCD	2	2
Miscellaneous	16	16

Miscellaneous Non-gynaecological Conditions

	Admissions	Patients
Total	2730	905
Breast disease	76	73
Urinary tract disease	164	139
Gastrointestinal tract disease	717	212
Cardiovascular disease	191	162
Respiratory tract disease	311	90
Central nervous system disease	33	27
Endocrine disease	61	53
Blood disease	491	400
Dermatological/musculoskeletal disease	144	108
No disease identified	30	30
Miscellaneous	1547	673

TREATMENT

Major Abdominal Surgery* (for both benign and malignant conditons)

Total	690
Total hysterectomy	149
Subtotal hysterectomy	0
Extended hysterectomy	0
Radical hysterectomy	1
Myomectomy	35
Adenomyomectomy	0
Trachelectomy	0
Ovarian cystectomy / excision of ovarian lesions	35
Oophorectomy	0
Salpingo-oophorectomy	149
Salpingectomy	58
Salpingotomy / Salpingostomy	1
Neo-salpingostomy	0
Tubal re-anastomosis	1
Excision of para-ovarian / paratubal / fimbrial cysts	2
Adhesiolysis	5
Drainage of pelvic abscess	2
Ablation of endometriosis	0
Resection of pelvic endometriosis	1
Resection of bowel endometriosis	0
Pelvic exenteration	0
Debulking operation	18
Pelvic lymphadenectomy / lymph node sampling	42
Para-aortic lymphadenectomy / lymph node sampling	41
Omentectomy	68
Surgery for genital prolapse	0
Surgery for stress incontinence	0
Repair of urinary fistulae	0
Ureteric repair / reimplantation	2
Bowel resection /anastomosis / stoma	18
Laparotomy alone +/- biopsy	4
Miscellaneous	58

*excluding laparoscopic surgery

* Please refer to the Gynaecological Oncology Annual Report for details on surgical procedures performed for malignant conditions

Major Vaginal Operations

Total	110
Surgery for urinary incontinence (including TVT)	2
Vaginal hysterectomy	34
Pelvic floor repair (Repair of prolapse + vault-prolapse)	28
Repair of urinary fistula	0
Vaginal myomectomy	20
Vaginal stripping/vaginectomy	8
Miscellaneous	17

Major Vulval Operations

Total	17
Radical vulvectomy	3
Simple vulvectomy	3
Wide local excision	7
Groin lymph node dissection	3
Miscellaneous	1

Laparoscopic Operations (including robotic assisted surgery)

Total	844
Robotic surgery (the exact procedures are coded as well)	47
Total hysterectomy	0
a. Total laparoscopic hysterectomy	110
b. Laparoscopic-assisted vaginal hysterectomy	2
c. Laparoscopic hysterectomy	3
Subtotal hysterectomy	0
Extended hysterectomy	0
Radical hysterectomy	18
Myomectomy	8
Adenomyomectomy	0
Trachelectomy	2
Ovarian cystectomy / excision of ovarian lesions	127
Oophorectomy	3
Salpingo-oophorectomy	165
Salpingectomy	63
Salpingotomy / Salpingostomy	21
Neo-salpingostomy	0
Tubal re-anastomosis	0
Excision of para-ovarian / paratubal / fimbrial cysts	12
Adhesiolysis	21
Drainage of pelvic abscess	2
Ablation of endometriosis	7
Resection of pelvic endometriosis	1
Resection of bowel endometriosis	0
Pelvic exenteration	0
Debulking operation	0
Pelvic lymphadenectomy / lymph node sampling	69
Para-aortic lymphadenectomy / lymph node sampling	42
Omentectomy	27
Surgery for genital prolapse	0
Surgery for stress incontinence	0
Repair of urinary fistulae	0
Ureteric repair / reimplantation	0
Bowel resection /anastomosis / stoma	0
Diagnostic laparoscopy +/- biopsy +/- chromotubation	58
Laparoscopic ovarian drilling	0
Laparoscopic myolysis	0
Laparoscopic tubal occlusion/sterilization	23
Miscellaneous	13

Hysteroscopic procedures

Total	863
Diagnostic hysteroscopy	579
Proximal tubal cannulation	1
Endometrial resection / ablation	0
Hysteroscopic polypectomy	233
Hysteroscopic myomectomy	41
Hysteroscopic division of uterine septum	2
Hysteroscopic division of adhesion	7
Miscellaneous	0

Colposcopy Related Procedures*

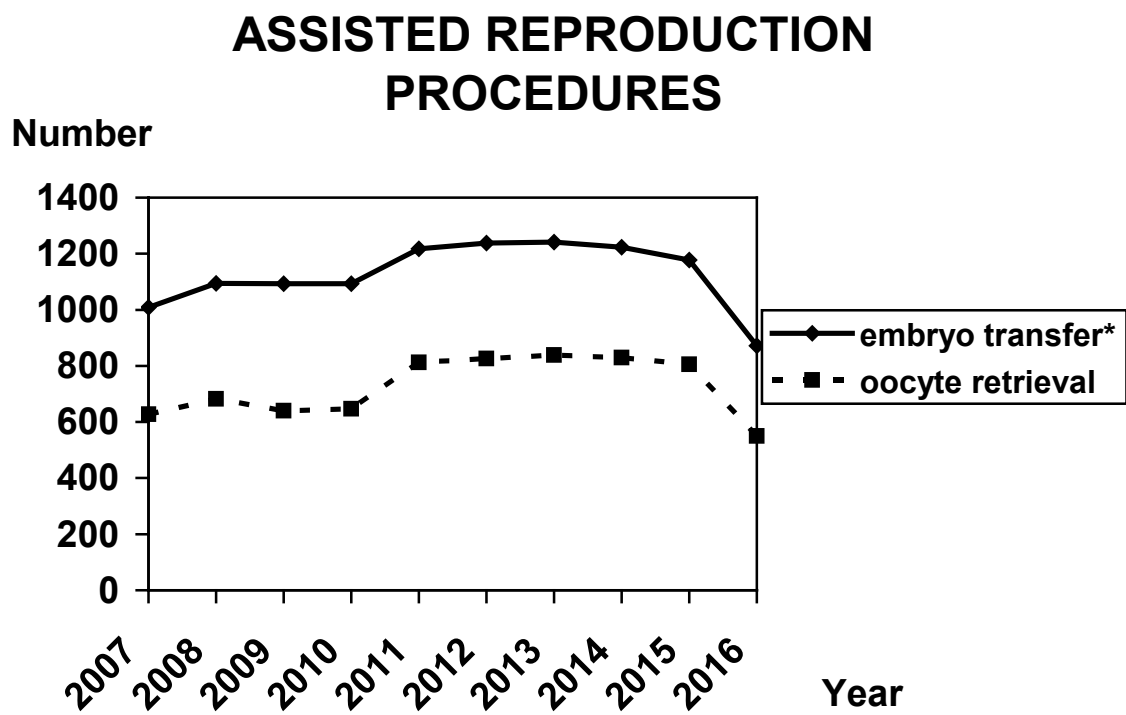
Total	63
Loop Excision	15
Cone Biopsy	8
Miscellaneous	40

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

Assisted Reproduction Procedures*

Total	1422
Oocyte retrieval (ultrasound guided)	550
Embryo transfer	872

* including fresh and frozen embryo transfer cycles



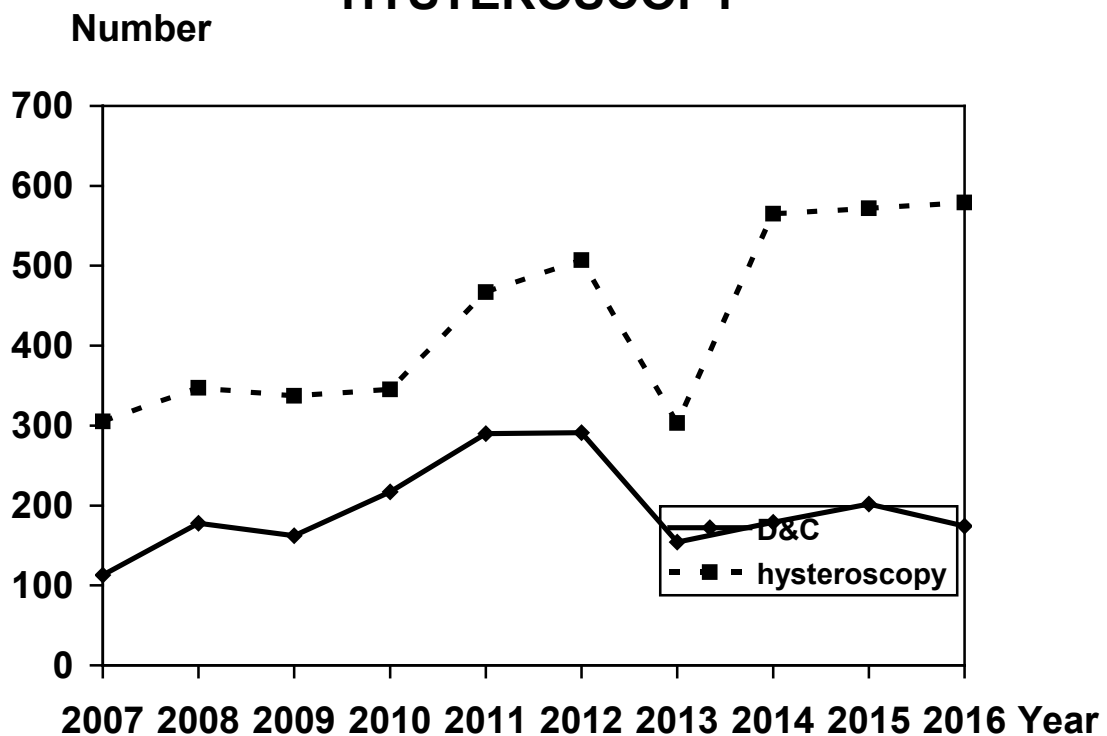
Minor Abdominal Operations

Total	30
Tubal ligation / occlusion	4
Resuture of abdominal wound	0
Removal of abdominal / pelvic translocated IUCD	0
Miscellaneous	26

Other Minor Operations

Total	889
Dilatation and curettage / polypectomy	174
Suction termination of pregnancy	117
Evacuation of retained products of conception	100
Marsupialization	24
Other minor vulval surgery	45
Examination under anaesthesia	29
Endometrial biopsy	84
Insertion/Removal of IUCD	224
Miscellaneous	92

D&C AND DIAGNOSTIC HYSTEROSCOPY



Radiotherapy

Total	162
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(*only those cases where the gynaecologist was involved are counted here)

Other Forms of Treatment

Total	4453
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Observation and investigations	2279
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Antibiotic as primary treatment	150
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Prostaglandins	111
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Hormones	69
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Chemotherapy (no. of admissions)	1763
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Other medication	9
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Pre-anaesthetic assessment	15
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Uterine artery embolisation	3
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High intensity / focused ultrasound therapy	5
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Miscellaneous	49
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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
G. Proteinuria	Gestational proteinuria
G. P. HT	Gestational proteinuric hypertension
IGT	Impaired glucose tolerance
IUD	Intrauterine death
IUGR	Intrauterine growth retardation
LAVH	Laparoscopic assisted vaginal hysterectomy
LF	Low forceps
LGA	Large for gestational age
LH	Laparoscopic hysterectomy
NND	Neonatal death
PND	Perinatal death
PPH	Postpartum haemorrhage
SB	Stillbirth
SGA	Small for gestational age
TAH	Total abdominal hysterectomy
TAHBSO	Total abdominal hysterectomy bilateral salpingo-oophorectomy
TOP	Termination of pregnancy
TVT	Tension free vaginal tape
Unclassified HT/P	Unclassified hypertension/proteinuria
VE	Vacuum extraction
VHPFR	Vaginal hysterectomy, pelvic floor repair
VLBW	Very low birthweight

