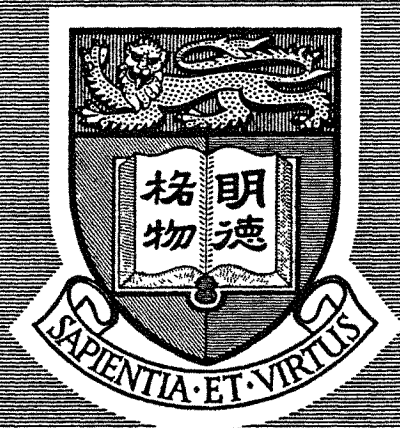




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CLINICAL REPORT
OF THE
TSAN YUK HOSPITAL
FOR THE YEAR
1977



ISSUED BY THE
DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY
OF THE
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ABBREVIATIONS

A.C.H.		After-coming head
Adm.		Admission
Aft.		After
A.P.H.		Antepartum haemorrhage
A.P.O.		Antero-posterior outlet
A.R.M.		Artificial rupture of membranes
B.B.A.		Born before arrival
BeF.		Before
B.O.A.		Born on arrival
B.M.T.		Burns-Marshall technique
B.W.		Birth weight
B.P.		Blood pressure
C.		Child
C.C.S.		Classical Caesarean section
C.P.		Contracted pelvis
C-P disproportion		Cephalo-pelvic disproportion
C.S.		Caesarean section
D.		Died
Disch.		Discharged
E.N.A.		Examination in operating theatre without anaesthesia
E.U.A.		Examination under anaesthesia
F.		Female
F.D.		Fully dilated
G.A.		General anaesthesia
Hosp.		Hospital
I.U.D.		Intrauterine death
L.		Alive
L.B.		Live birth
L.F.		Low forceps
L.O.A.		Vertex, left occipito-anterior
L.O.P.		Vertex, left occipito-posterior
L.O.T.		Vertex, left occipito-transverse
L.S.C.S.		Lower segment Caesarean section
L.S.A.		Breech, left sacro-anterior
L.S.P.		Breech, left sacro-posterior
M.		Mother
M.		Male
M.F.		Mid forceps
N.N.D.		Neo-natal death
O.C.		Obstetrical conjugate
P.E.		Pre-eclampsia
P.N.D.		Perinatal death
P.O.P.		Persistent occipito-posterior
P.O.T.		Persistent occipito-transverse
P.P.H.		Postpartum haemorrhage
P.P.S.		Postpartum sterilization
Qty.		Quantity
R.O.A.		Vertex, right occipito-anterior
R.O.P.		Vertex, right occipito-posterior
R.O.T.		Vertex, right occipito-transverse
R.S.A.		Breech, right sacro-anterior
R.S.P.		Breech, right sacro-posterior
S.B.		Stillbirth
Spont.		Spontaneous
T.B.		Tuberculosis
T.D.		Transverse diameter of inlet
Trans.		Transverse
V.D.R.L.		Venereal disease research laboratory
V.E.		Vacuum extraction
wks.		Weeks

DEFINITION

- Booked Case** - patient has had attended our Antenatal Clinic
twice or more.
- Non-booked Case** - patient has had less than two visits to our
Antenatal Clinic

MEDICAL STAFF OF THE TSAN YUK HOSPITAL (1977)

Obstetrician In Charge:

Prof. Ho-Kei Ma (Mrs.), M.B.,B.S.(H.K.); F.R.C.O.G.

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Medical Superintendent:

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P.C. Ho M.B.,B.S.(H.K.)

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*Part-time

MEDICAL STAFF OF THE TSAN YUK HOSPITAL (1977)

(continued)

Consultant Anaesthetist:

Justin Chan M.B., B.S., D.A.(Eng.); F.F.A.R.A.C.S.;
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Consultant Dermatologist & Venereologist:

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Consultant Paediatrician:

Prof. J.H. Hutchison C.B.E.; M.D.(Glas.); F.R.S.(Edin.); F.R.C.P.(Lon.)
F.R.C.P.(Edin.); F.R.C.P.(Glas.); F.R.C.P.(Hon.)

Dr. W.Y. Lui M.B., B.S.; D.C.H.; M.R.C.P. (Lon. & Edin.)

Consultant Pathologist:

Prof. J.B. Gibson O.B.E.; M.D.(Edin. & Western Reserve);
F.R.C.P.(Edin.); F.R.C.Path; F.R.C.Path.(Austral.)

Consultant Clinical Pathologist:

T.B. Teoh M.B., B.S.(H.K.); Ph.D. (Leeds)

Consultant Physician:

Prof. D. Todd M.D.(H.K.); F.R.C.P.(Edin.); F.R.A.C.P.;
M.R.C.P. (Lond.)

Consultant Chest Physician:

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Consultant Psychiatrist:

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F.R.C.P.(Edin.); F.R.C.Psych.; M.A.N.Z.C.P.;
F.A.P.A.

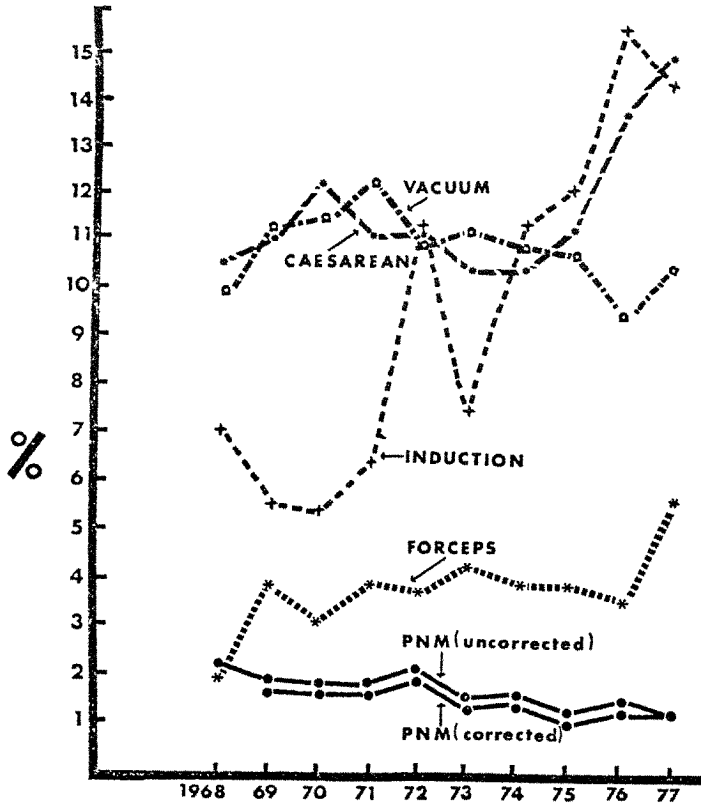
Consultant Radiologist:

H.C. Ho O.B.E.; M.B., B.S.(H.K.); F.R.C.P.(Lond.);
D.M.R.D.(Lond.); D.M.R.T.(Lond.);
F.F.R.(D. & T.); J.P.

Consultant Surgeon:

Prof. G.B. Ong O.B.E.; M.D.(Shanghai); M.B., B.S.(H.K.);
F.R.C.S.(Eng. and Edin.); F.A.C.S.; F.R.A.C.S.;
F.R.S.(Edin.); F.P.C.S.(Hon.); F.C.S.(S.A.), (Hon.);
F.R.C.F.S.(Glas.)(Hon.); F.R.C.S.(C)(Hon.); J.F.

INTERFERENCE RATES & PERINATAL MORTALITY (1968 - 1977)



COMPARATIVE STATISTICS

	<u>1968</u>	<u>1969</u>	<u>1970</u>
Adult patients admitted	6,047	5,919	6,073
Patients delivered in hospital.....	5,787	5,700	5,851
Primiparae	2,378	2,478	2,478
Multiparae	3,409	3,222	3,373
Patients admitted after delivery	113	97	118
Primiparae	10	5	13
Multiparae	103	92	105
Total patients delivered.....	5,900	5,797	5,969
Abortion	38	44	42
Patients transferred	23	22	24
Patients discharged undelivered	109	78	62
Pre-eclampsia	132	89	57
Eclampsia	7	9	8
Accidental antepartum haemorrhage ...	50	37	51
Placenta praevia	49	49	49
Postpartum haemorrhage	126	87	103
Contracted pelvis	333	350	391
Vacuum extraction	580	641	680
Vacuum extraction rate per cent.....	9.83	11.05	11.39
Forceps delivery	115	217	170
Forceps delivery rate per cent	1.95	3.74	2.85
Caesarean section	609	637	723
Caesarean section rate per cent	10.32	10.99	12.11
Maternal deaths	-	-	2
Maternal death rate			
(per 1000 cases admitted)	-	-	0.32
(per 1000 cases delivered).....	-	-	0.33
Infants born in hospital	5,854	5,747	5,906
Infants born before admission	113	103	118
Total infants born	5,967	5,850	6,024
Infants transferred	21	22	-
Stillbirths (including macerated foetus) 61		59	58
Stillbirth rate			
(per 1000 live and stillbirths)	10.22	10.11	9.64
Neo-natal deaths	82	56	52
Neo-natal death rate			
(per 1000 live births)	13.88	9.69	8.72
Perinatal deaths	132	109	106
Corrected perinatal mortality (excluding non-booked cases with IUD on admission) -		96	98
Corrected perinatal mortality rate			
(per 1000 live and stillbirths).....	-	16.49	16.28

1968 - 1977

<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>
5,891	6,539	6,986	7,420	6,956	7,504	6,655
5,519	6,177	6,563	7,052	6,507	6,925	6,169
2,255	2,902	2,879	3,523	3,612	3,679	3,520
3,264	3,275	3,684	3,529	2,895	2,960	2,649
113	76	95	70	67	86	58
8	11	8	9	2	15	5
105	65	87	61	65	71	53
5,632	6,253	6,658	7,122	6,574	7,011	6,227
35	38	38	27	53	151	205
5	13	21	19	15	21	31
224	248	290	271	329	342	223
60	120	153	253	366	616	528
2	2	5	9	3	7	2
42	31	17	28	14	23	14
39	57	33	36	44	42	51
103	84	119	102	95	73	80
260	241	239	251	144	190	133
687	685	743	768	687	652	647
12.04	10.95	11.16	10.78	10.45	9.30	10.39
212	233	277	266	245	249	353
3.76	3.73	4.16	3.73	3.73	3.55	5.67
620	693	686	745	744	966	920
11.01	11.08	10.30	10.46	11.32	13.78	14.77
-	3	2	1	0	1	2
-	0.46	0.29	0.13	-	0.13	0.30
-	0.48	0.30	0.14	-	0.14	0.32
5,563	6,227	6,615	7,107	6,560	6,982	6,214
116	78	91	70	67	86	58
5,679	6,305	6,706	7,177	6,627	7,068	6,233
-	6	6	6	4	6	10
43	60	39	57	36	55	36
7.58	9.53	5.82	7.95	5.44	7.79	5.74
59	68	58	62	64	48	40
10.48	10.91	8.70	8.72	9.72	6.85	6.42
95	126	94	112	92	100	69
88	123	92	108	87	96	69
15.51	19.54	13.73	15.07	13.14	13.59	11.01

STATISTICAL SUMMARY

Adult patients admitted	6655
Patients delivered in hospital	6169
Booked	5915
Primiparae (Twins: 21 sets)	3435
(Triples: - sets)	
Multiparae (Twins: 21 sets)	2480
(Triples: - sets)	
Non-booked	254
Primiparae (Twins: 1 sets)	85
(Triples: - sets)	
Multiparae (Twins: 2 sets)	169
(Triples: - sets)	
Patients admitted after delivery	58*
Booked	29
Primiparae (Twins: - sets)	3
(Triples: - sets)	
Multiparae (Twins: - sets)	26
(Triples: - sets)	
Non-booked	29
Primiparae (Twins: - sets)	2
(Triples: - sets)	
Multiparae (Twins: - sets)	27
(Triples: - sets)	
Total No. of patients delivered	6227
Booked	5944
Primiparae (Twins: 21 sets)	3438
(Triples: - sets)	
Multiparae (Twins: 21 sets)	2506
(Triples: - sets)	
Non-booked	283
Primiparae (Twins: 1 sets)	87
(Triples: - sets)	
Multiparae (Twins: 2 sets)	196
(Triples: - sets)	
Patients who aborted	205
Patients discharged undelivered	223
Maternal deaths	2
Maternal death rate (per 1,000 cases admitted)	0.30
(per 1,000 cases delivered)	0.32
Total No. of multiple pregnancies	45
Total No. of infants born	6272
Total No. of infants born in hospital	6214
Total No. of infants born before admission	58*
Total No. of live born infants	6233+
Booked	5957
Non-booked	276
Stillbirths	
Total	36
Booked	34
Non-booked	2

*Including 3 BBA infants not admitted

+Excluding 3 BBA infants not admitted

STATISTICAL SUMMARY (Continued)

Stillbirth rate (per 1,000 live and stillbirths)

Total	5.74
Booked	5.68
Non-booked	7.19

Neonatal deaths

Total	40
Booked	29
Non-booked	11

Neonatal death rate (per 1,000 live births)

Total	6.42
Booked	4.87
Non-booked	39.86

Perinatal deaths

Total	59
Booked	58
Non-booked	11

Perinatal death rate (per 1,000 live and stillbirths)

Total	11.01
Booked	9.68
Non-booked	39.57

Corrected perinatal mortality (Excluding non-booked cases with I.U.D. on admission)

Total	69
Booked	58
Non-booked	11

Corrected perinatal mortality rate (per 1,000 live and stillbirths)

Total	11.01
Booked	9.68
Non-booked	39.57

Antenatal Clinic:-

Total visits	44030
New patients	5942
Re-attendances	38088

Postnatal Clinic:-

Total visits	5194
New patients	4075
Re-attendances	1119

TABLE 1

ASSOCIATED DISEASES

ANAEMIA

Total No. of cases	1,027
Booked	974
Non-booked	53
Primiparae	532
Multiparae	495
Incidence	16.49%

TYPE OF ANAEMIA :-

1. Iron deficiency anaemia	674
2. Thalassaemia major	2
3. Thalassaemia minor	30
4. Combined iron deficiency and Thalassaemia	1
5. Other haemoglobinopathy	7
6. Other haemolytic anaemia	1
7. Others	17
8. Unknown	315

URINARY TRACT INFECTIONS (Antenatal)

Total No. of cases	32
Incidence	0.51%

AGE GROUP:-

	No. of cases	Per-centage	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	4	12.50	4	-	-	-
21 - 25	12	37.50	12	-	-	-
26 - 30	8	25.00	8	-	-	-
31 - 35	4	12.50	4	-	-	-
36 - 40	4	12.50	4	-	-	-
41 & over	-	-	-	-	-	-
Total	32	100.00	32	-	-	-

PARITY:-

Para 0	20	62.50	20	-	-	-
Para 1	5	15.63	5	-	-	-
Para 2 & over	7	21.87	7	-	-	-
Total ...	32	100.00	32	-	-	-

TABLE 1 (Continued)

PULMONARY TUBERCULOSIS

	Active
Total No. of cases	12
Booked	11
Non-booked	1
Primiparae	5
Multiparae	7
Incidence	0.19%

No S.B. or N.N.D.

THYROTOXICOSIS

No. of cases	17
Booked	17
Non-booked	
Primiparae	4
Multiparae	13
Incidence	0.27

No maternal death, S.B. or N.N.D.

TABLE 1 (Continued)

DIABETES MELLITUS

Total No. of cases	26*
Booked	25
Non-booked	1
Primiparae	7
Multiparae	19
Incidence	0.42 %

No maternal death, S.B. or N.N.D.

*Including 6 cases of Potential Diabetes

AGE GROUP:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	-	-	-	-	-	-	-
21 - 25	5	19.23	-	5	-	-	-
26 - 30	13	50.00	-	13	-	-	-
31 - 35	7	26.92	-	7	-	-	-
36 - 40	1	3.85	-	1	-	-	-
41 & over	-	-	-	-	-	-	-
Total	26	100.00	-	26	-	-	-

PARITY:-

Para 0	7	26.92	-	7	-	-	-
Para 1	12	46.16	-	12	-	-	-
Para 2 & over	7	26.92	-	7	-	-	-
Total	26	100.00	-	26	-	-	-

METHOD OF DELIVERY:-

Spontaneous	15	57.69	-	15	-	-	-
Vacuum Extraction ..	-	-	-	-	-	-	-
Low forceps	-	-	-	-	-	-	-
L.S.C.S.	11	42.31	-	11	-	-	-
Total	26	100.00	-	26	-	-	-

TABLE 2
ABORTION

Total No. of cases	205
Booked	71
Non-booked	134
Primiparae	40
Multiparae	165
Incidence	3.19%
Maternal deaths	-

Type of abortion:-

Spontaneous	43 (29.76%)
Induced	162 (70.24%)

TABLE 3
CARDIAC DISEASE

Total No. of cases	74	
Booked	74	
Non-booked	-	
Primiparae	34	
Multiparae	40	
Incidence	1.19%	
Total No. of babies	74	
Multiple pregnancies	-	
Maternal deaths	-	
S. B.	-	(- %)
N. N. D.	1	(1.35 %)
P. N. D.	1	(1.35 %)

ANATOMICAL LESIONS:-

A. Rheumatic heart disease	61
(a) Mitral lesion	57
(b) Mitral and aortic lesions	4
(c) Aortic lesion	-
B. Congenital heart disease	7
C. Others	6

CARDIAC DISEASE (Continued)

AGE GROUP:-

	No. of cases	Per- centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	5	6.76	-	5	-	-	-
21 - 25	33	44.59	-	33	-	1	1
26 - 30	28	37.84	-	28	-	-	-
31 - 35	7	9.46	-	7	-	-	-
36 - 40	1	1.35	-	1	-	-	-
41 & over	-	-	-	-	-	-	-
Total	74	100.00	-	74	-	1	1

PARITY:-

Para 0	34	45.95	-	34	-	1	1
Para 1	30	40.54	-	30	-	-	-
Para 2 & over ...	10	13.51	-	10	-	-	-
Total	74	100.00	-	74	-	1	1

METHOD OF DELIVERY:-

Spontaneous	39	52.70	-	39	-	1	1
Vacuum extraction..	12	16.22	-	12	-	-	-
Forceps	9	12.16	-	9	-	-	-
Assisted breech ...	1	1.35	-	1	-	-	-
L.S.C.S.	13	17.57	-	13	-	-	-
Laparotomy & Hysterectomy	-	-	-	-	-	-	-
Total	74	100.00	-	74	-	1	1

FUNCTIONAL GRADING:-

	No. of cases
Class I	56
Class II	11
Class III	-
Class IV	7
Deterioration during pregnancy	2
Post-valvotomy	4

TABLE 4
TOXAEMIA OF PREGNANCY

Total No. of cases	889	
Incidence	14.28%	
Total No. of babies	901	
Multiple pregnancies	12	
Maternal deaths	-	
S.B.	8	(0.89 %)
N.N.D.	6	(0.67 %)
P.N.D.	12	(1.33 %)

BOOKED AND NON-BOOKED:-

	No. of cases	Percentage	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	851	95.73	863	7	5	10
Non-booked	38	4.27	38	1	1	2
Total	889	100.00	901	8	6	12

Type of Toxaemia:-

	No. of cases	Percentage among toxaemia
Pre-eclampsia	528	59.39
Eclampsia	2	0.23
Unclassified toxaemia 'A'	302	33.97
Unclassified toxaemia 'B'	18	2.03
Recurrent toxaemia	25	2.81
Essential hypertension	14	1.57
Chronic nephritis	-	-
	<u>889</u>	<u>100.00</u>

Definiation:-

Pre-eclampsia - B.P. over 135/85 mm.Hg. with oedema and/or proteinuria when B.P. in early pregnancy is known to be normal.

Unclassified toxaemia - all cases booked after 20th week of pregnancy and in whom the normal blood pressure is unknown.

Group 'A' - when the B.P. on discharge is normal.

Group 'B' - when the B.P. on discharge is more than 135/85 mm.Hg.

TABLE 5
PRE-ECLAMPSIA

Total No. of cases	528		
Mild	447		
Severe	81		
Incidence:- Overall	8.48	%	
Among toxæmia	59.39	%	
Total No. of babies	534		
Multiple pregnancies	6		
Maternal deaths	-		
S. B.	6	(1.12	%)
N. N. D.	5	(0.95	%)
P. N. D.	9	(1.69	%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per- centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	510	96.59	-	516	5	4	7
Non-booked	18	3.41	-	18	1	1	2
Total	528	100.00	-	534	6	5	9

AGE GROUP:-

	No. of cases	Per- centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	58	10.98	-	58	1	1	2
21 - 25	220	41.67	-	223	3	1	3
26 - 30	193	36.55	-	196	1	1	1
31 - 35	31	5.87	-	31	1	2	3
36 - 40	22	4.17	-	22	-	-	-
41 & over	4	0.76	-	4	-	-	-
Total	528	100.00	-	534	6	5	9

PRE-ECLAMPSIA (Continued)

PARITY:-

	No. of cases	Per- centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	420	79.55	-	426	4	2	5
Para 1	60	11.36	-	60	1	2	2
Para 2 & over	48	9.09	-	48	1	1	2
Total	528	100.00	-	534	6	5	9

METHOD OF DELIVERY:-

Spontaneous	238	45.07	-	243	4	2	5
Vacuum extraction ..	100	18.94	-	100	-	-	-
Forceps	48	9.09	-	48	-	-	-
Breech	3	0.57	-	4	1	1	2
(E) L.S.C.S.	22	4.17	-	22	-	2	1
L.S.C.S.	117	22.16	-	117	1	-	1
Total	528	100.00	-	534	6	5	9

CLASSIFICATION:-

- Mild - B.P. up to 160/100 mm.Hg.
Severe - B.P. more than 160/100 mm.Hg.

PRE-INDONESIA (Continued)

METHOD OF DELIVERY & FETAL LOSS

	Total No. of babies	Mild		Severe	
		No. of babies	S.B.	N.N.D.	P.N.D.
PRIMIPARAE					
(A) Spontaneous labour	215	183	1	1	2
(1) Spont. Vertex delivery	95	90	1	-	1
(2) Spont. Breech delivery	-	-	-	-	-
(3) Vacuum Extraction	44	39	-	-	-
(4) Forceps	17	12	-	-	-
(5) Assisted Breech delivery	2	-	-	-	-
(6) C.S.	48	35	-	1	1
(B) Induced labour	211	175	2	1	2
(1) Spont. Vertex delivery	75	66	1	1	-
(2) Spont. Breech delivery	-	-	-	-	-
(3) Vacuum Extraction	53	45	-	-	-
(4) Forceps	26	21	-	-	-
(5) Assisted Breech delivery	1	1	-	-	-
(6) C.S.	56	42	1	-	1
Total	426	358	3	2	4
MULTIPARAE					
(A) Spontaneous labour	58	47	-	2	1
(1) Spont. Vertex delivery	36	28	-	-	-
(2) Spont. Breech delivery	-	-	-	-	-
(3) Vacuum Extraction	-	-	-	-	-
(4) Forceps	2	1	-	-	-
(5) Assisted Breech delivery	1	1	-	1	-
(6) C.S.	8	6	-	-	-
(B) Induced labour	50	45	-	1	1
(1) Spont. Vertex delivery	37	36	-	1	1
(2) Spont. Breech delivery	-	-	-	-	-
(3) Vacuum Extraction	3	2	-	-	-
(4) Forceps	3	2	-	-	-
(5) Assisted Breech delivery	-	-	-	-	-
(6) C.S.	7	5	-	-	-
Total	108	92	-	3	2
AND TOTAL	534	450	3	5	6
					84
					3

PRE-ECLAMPSIA (Continued)

BIRTH WEIGHT & FOETAL LOSS:-

	Birth weight (grams)	No. of babies	S.B.	NND	P.N.D.
(A)	Spontaneous labour	273	4	3	6
	Under 1,500	5	3	-	3
	1,501 - 2,000	11	-	2	2
	2,001 - 2,500	28	-	-	-
	2,501 - 3,000	98	1	1	1
	3,001 - 3,500	109	-	-	-
	3,501 - 4,000	20	-	-	-
	4,001 & over	2	-	-	-
(B)	Induced labour	261	2	2	3
	Under 1,500	2	-	-	-
	1,501 - 2,000	1	-	-	-
	2,001 - 2,500	26	1	-	1
	2,501 - 3,000	107	1	2	2
	3,001 - 3,500	94	-	-	-
	3,501 - 4,000	31	-	-	-
	4,001 & over	-	-	-	-
	Total	534	6	5	9

INDICATIONS FOR C.S.:- (There may be more than 1 indication in 1 case)

Toxaemia	139	C-P disproportion	8
Foetal distress	65	Placenta praevia	8
Malpresentations	39	Maternal distress	4
Contracted pelvis	19	Failed trial of V.E.	4
Failed induction of labour	16	APH of unknown origin	3
Uterine dysfunction	14	Prolapse of cord	2
Elderly primigravidae	13	Diabetes mellitus	1
Unfavourable pelvis	12	Accidental haemorrhage	1
Previous L.S.C.S.	11	Others	47

TABLE 6
ECLAMPSIA

Total No. of cases	2
Booked	2
Non-booked	-
Para 0	2
Para 1 & over	-
Total No. of babies	2
No maternal death, S.B. or N.N.D.	
Age Group:-	
21 - 25	2
Method of delivery:-	
Spontaneous	2

ECLAMPSIA

Booked case Serial No.7265/76 Age: 27 G: 1 P: 0
(delivered in 1977)

The patient was first seen at the antenatal clinic at 14 weeks maturity. Her antenatal course was uneventful.

She was admitted at 39-5/7 weeks maturity because of show. Blood pressure on admission was 130/80 mmHg. and there was no sign of pre-eclampsia. The patient had irregular abdominal pain throughout the night. At 10.40 a.m. the next morning she had a generalized convulsion. Vaginal examination showed an effaced cervix and the presenting part was above spine level. Blood pressure was 150/90 mmHg after the convulsion. Valium infusion was given for 2 hours and the baby was delivered by lower segment Caesarean section. A male baby weighing 3800 gm was delivered with good Apgar score. Her post-operative course was uneventful and her blood pressure returned to normal. She was discharged 14 days after delivery.

ECLAMPSIA

Booked Case Serial No.:480/77 Age: 22 G: 1 P: 0

The patient was first seen at the antenatal clinic at 18 weeks maturity. She was not sure of the date of the last menstrual period (L.M.P.) and her uterus was 6 weeks greater than the gestational period calculated by her L.M.P. date. She had antenatal anaemia treated with oral iron.

She was admitted near term. Her blood pressure on admission was 110/70 mmHg. She had spontaneous labour 3 days later. After a first stage of 2 hours 30 minutes and a second stage of 50 minutes, she delivered spontaneously a male baby weighing 2950 gm. Her blood pressure was 140/105 mmHg 1 hour after delivery and morphia was given. Lytic cocktail was given 1 hour later as blood pressure was 160/105 mmHg. She had generalized convulsion 11 hours after delivery. Blood-pressure after convulsion was 160/100 mmHg and albuminemia was present. She was treated with valium infusion and nepresol injection. She recovered uneventfully and her blood pressure returned to normal. She was discharged 14 days after delivery.

Table 7
UNCLASSIFIED TOXAEMIA 'A'

Total No. of cases	302	
Incidence:- Overall	4.85 %	
Among toxæmia	33.97 %	
Total No. of babies	308	
Multiple pregnancies	6	
Maternal deaths	-	
S. B.	1	(0.32 %)
N. N. D.	-	(- %)
P. N. D.	1	(0.32 %)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	283	93.71	-	289	1	-	1
Non-booked	19	6.29	-	19	-	-	-
Total	302	100.00	-	308	1	-	1

AGE GROUP:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	42	13.91	-	44	1	-	1
21 - 25	108	35.76	-	109	-	-	-
26 - 30	89	29.47	-	91	-	-	-
31 - 35	30	9.93	-	30	-	-	-
36 - 40	22	7.28	-	23	-	-	-
41 & over	11	3.64	-	11	-	-	-
Total	302	100.00	-	308	1	-	1

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	172	56.95	-	175	1	-	1
Para 1	39	12.92	-	40	-	-	-
Para 2 & over	91	30.13	-	93	-	-	-
Total	302	100.00	-	308	1	-	1

UNCLASSIFIED TOXAEMIA 'A' (Continued)

METHOD OF DELIVERY AND FOETAL LOSS:-

METHOD OF DELIVERY	No. of babies	Booked			Non-booked			
		S.B.	N.N.D.	P.N.D.	No. of babies	S.B.	N.N.D.	P.N.D.
PRIMIPARAE								
(A) Spontaneous labour	104	1	-	1	5	-	-	-
(1) Spont. vertex delivery ...	54	-	-	-	1	-	-	-
(2) Spont. breech delivery ...	-	-	-	-	-	-	-	-
(3) Vacuum extraction	16	-	-	-	1	-	-	-
(4) Forceps	14	1	-	1	2	-	-	-
(5) Breech delivery	1	-	-	-	-	-	-	-
(6) (E) L.S.C.S.	5	-	-	-	1	-	-	-
(7) L.S.C.S.	14	-	-	-	-	-	-	-
(B) Induced labour	64	-	-	-	2	-	-	-
(1) Spont. vertex delivery ...	31	-	-	-	1	-	-	-
(2) Spont. breech delivery ...	-	-	-	-	-	-	-	-
(3) Vacuum extraction	15	-	-	-	1	-	-	-
(4) Forceps	7	-	-	-	-	-	-	-
(5) Breech delivery	-	-	-	-	-	-	-	-
(6) C. S.	11	-	-	-	-	-	-	-
Total	168	1	-	1	7	-	-	-
MULTIPARAE								
(A) Spontaneous labour	52	-	-	-	9	-	-	-
(1) Spont. vertex delivery ...	47	-	-	-	6	-	-	-
(2) Spont. breech delivery ...	-	-	-	-	-	-	-	-
(3) Vacuum extraction	-	-	-	-	-	-	-	-
(4) Forceps	-	-	-	-	1	-	-	-
(5) Breech delivery	-	-	-	-	1	-	-	-
(6) (E) L.S.C.S.	5	-	-	-	-	-	-	-
(7) L.S.C.S.	-	-	-	-	1	-	-	-
(B) Induced labour	70	-	-	-	2	-	-	-
(1) Spont. vertex delivery ...	54	-	-	-	2	-	-	-
(2) Spont. breech delivery ...	-	-	-	-	-	-	-	-
(3) Vacuum extraction	4	-	-	-	-	-	-	-
(4) Forceps	4	-	-	-	-	-	-	-
(5) Breech delivery	2	-	-	-	-	-	-	-
(6) C. S.	6	-	-	-	-	-	-	-
Total	122	-	-	-	11	-	-	-
GRAND TOTAL	290	1	-	1	18	-	-	-

UNCLASSIFIED TOXAEMIA 'A' (Continued)

BIRTH WEIGHT AND FOETAL LOSS:-

	Birth Weight (grams.)	No. of Babies	S.B.	N.N.D.	P.N.D.
(A)	Spontaneous Labour	170	1	-	1
	Under 1,500	1	-	-	-
	1,501 - 2,000	4	1	-	1
	2,001 - 2,500	21	-	-	-
	2,501 - 3,000	55	-	-	-
	3,001 - 3,500	66	-	-	-
	3,501 - 4,000	21	-	-	-
	4,001 & over	2	-	-	-
(B)	Induced labour	138	-	-	-
	Under 1,500	-	-	-	-
	1,501 - 2,000	1	-	-	-
	2,001 - 2,500	5	-	-	-
	2,501 - 3,000	52	-	-	-
	3,001 - 3,500	62	-	-	-
	3,501 - 4,000	16	-	-	-
	4,001 & over	2	-	-	-
	TOTAL	308	1	-	1

INDICATIONS FOR C.S.:- (There may be more than 1 indication in 1 case)

	No. of cases
Toxaemia	43
Foetal distress	18
Malpositions: P.O.P. or P.O.T.	14
Uterine dysfunction	12
Contracted pelvis	6)
C-P disproportion	1) 14
Unfavourable pelvis	7)
Malpresentation	7
Failed induction	8
Previous C.S.	5
Elderly primigravida	3
Placenta praevia	2
Failed trial of V.E.	2
Maternal distress	1
Other indications	20

Table 8

UNCLASSIFIED TOXAEMIA 'B'

Total No. of cases	18		
Incidence:- Overall	0.29	%	
Among toxæmia	2.03	%	
Total No. of babies	18		
Multiple pregnancies	-		
Maternal deaths	-		
S.B.	1	(5.56	%)
N.N.D.	-	(-	%)
P.N.D.	1	(5.56	%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	17	94.44	-	17	1	-	1
Non-booked	1	5.56	-	1	-	-	-
Total	18	100.00	-	18	1	-	1

AGE GROUP:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	1	5.55	-	1	-	-	-
21 - 25	3	16.67	-	3	-	-	-
26 - 30	7	38.89	-	7	-	-	-
31 - 35	1	5.55	-	1	-	-	-
36 - 40	3	16.67	-	3	1	-	1
41 & over	3	16.67	-	3	-	-	-
Total	18	100.00	-	18	1	-	1

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	7	38.89	-	7	-	-	-
Para 1	5	27.78	-	5	1	-	1
Para 2 & over	6	33.33	-	6	-	-	-
Total	18	100.00	-	18	1	-	1

UNCLASSIFIED TOXAEMIA 'B' (Continued)

METHOD OF DELIVERY AND FOETAL LOSS:-

Method of delivery	No. of babies	Booked			No. of babies	Non-booked		
		S.B.	N.N.D.	P.N.D.		S.B.	N.N.D.	P.N.D.
PRIMIPARAE								
(A) Spontaneous labour	3	-	-	-	-	-	-	-
(1) Spont. Vertex delivery ...		-	-	-	-	-	-	-
(2) Spont. Breech delivery ...	-	-	-	-	-	-	-	-
(3) Vacuum Extraction	-	-	-	-	-	-	-	-
(4) Forceps	-	-	-	-	-	-	-	-
(5) Breech delivery	-	-	-	-	-	-	-	-
(6) (E) L.S.C.S.	-	-	-	-	-	-	-	-
(7) L.S.C.S.	1	-	-	-	-	-	-	-
(B) Induced labour	4	-	-	-	-	-	-	-
(1) Spont. Vertex delivery ...	1	-	-	-	-	-	-	-
(2) Spont. Breech delivery ...	-	-	-	-	-	-	-	-
(3) Vacuum Extraction	1	-	-	-	-	-	-	-
(4) Forceps	1	-	-	-	-	-	-	-
(5) Breech delivery	-	-	-	-	-	-	-	-
(6) L.S.C.S.	1	-	-	-	-	-	-	-
Total	7	-	-	-	-	-	-	-
MULTIPARAE								
(A) Spontaneous labour	5	1	-	1	-	-	-	-
(1) Spont. Vertex delivery ...	4	1	-	1	-	-	-	-
(2) Spont. Breech delivery ...	-	-	-	-	-	-	-	-
(3) Vacuum Extraction	-	-	-	-	-	-	-	-
(4) Forceps	-	-	-	-	-	-	-	-
(5) Breech delivery	1	-	-	-	-	-	-	-
(6) (E) L.S.C.S.	-	-	-	-	-	-	-	-
(7) L.S.C.S.	-	-	-	-	-	-	-	-
(B) Induced labour	5	-	-	-	1	-	-	-
(1) Spont. Vertex delivery ...	4	-	-	-	1	-	-	-
(2) Spont. Breech delivery ...	-	-	-	-	-	-	-	-
(3) Vacuum Extraction	-	-	-	-	-	-	-	-
(4) Forceps	1	-	-	-	-	-	-	-
(5) Breech delivery	-	-	-	-	-	-	-	-
(6) C. S.	-	-	-	-	-	-	-	-
Total	10	1	-	1	1	-	-	-
GRAND TOTAL	17	1	-	1	1	-	-	-

UNCLASSIFIED TOXAEMIA 'B' (Continued)

BIRTH WEIGHT AND FOETAL LOSS:-

Birth weight (grams)		No. of babies	S.B.	N.N.D.	P.N.D.
(A) Spontaneous labour		8	1	-	1
Under 1,500		-	-	-	-
1,501 - 2,000		2	1	-	1
2,001 - 2,500		-	-	-	-
2,501 - 3,000		3	-	-	-
3,001 - 3,500		3	-	-	-
3,501 - 4,000		-	-	-	-
4,001 & over		-	-	-	-
(B) Induced labour		10	-	-	-
Under 1,500		-	-	-	-
1,501 - 2,000		-	-	-	-
2,001 - 2,500		2	-	-	-
2,501 - 3,000		2	-	-	-
3,001 - 3,500		5	-	-	-
3,501 - 4,000		1	-	-	-
4,001 & over		-	-	-	-
Total		18	1	-	1

INDICATIONS FOR C.S. :- (There may be more than 1 indication in 1 case)

	No. of cases.
Toxaemia	2
Foetal distress	2
Diabetes mellitus	1
Breech presentation.....	1
Failed induction of labour	1

Table 9

RECURRENT TOXAEMIA

Total No. of cases	25
Booked	25
Non-booked	-
Primiparae	2
Multiparae	23
Incidence: Overall	0.40 %
Among toxemia	2.81 %
Total No. of babies	25

No multiple pregnancy, maternal death, S.B. or N.N.D.

Table 10
ESSENTIAL HYPERTENSION

Total No. of cases	14	
Booked	14	
Non-booked	-	
Primiparae	3	
Multiparae	11	
Incidence:- Overall	0.22	%
Among toxemia	1.57	%
Total No. of babies	14	
Multiple pregnancies	-	
Maternal deaths	-	
S. B.	-	(- %)
N. N. D.	1	(7.14 %)
P. N. D.	1	(7.14 %)

Table 11
CHRONIC NEPHRITIS

No Chronic Nephritic patient.

Table 12

PERSISTENT POSTERIOR POSITION OF THE OCCIPUT
AND TRANSVERSE ARREST

Total No. of cases	247		
Incidence	3.97%		
Total No. of babies	247		
Multiple pregnancies	-		
Maternal deaths	-		
S. B.	-	(- %)	
N. N. D.	4	(1.62 %)	
P. N. D.	4	(1.62 %)	

BOOKED AND NON-BOOKED:-

	No. of cases	Per- centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	238	96.36	-	238	-	4	4
Non-booked	9	3.64	-	9	-	-	-
Total	247	100.00	-	247	-	4	4

SUMMARY OF LABOUR:-

No. of cases

Labour lasting more than 24 hours -

METHOD OF DELIVERY:-

Spontaneous delivery (face to pubis)	15
Vacuum extraction	52
Low Forceps	27
Manual rotation and mid-forceps	-
Caesarean section*	154

Total 247

*The operation might be performed for conditions other than occipital position or transverse arrest.

Table 13
BREECH PRESENTATIONS

Total No. of cases	251
Booked	237
Non-booked	14
Primiparae	146
Multiparae	105
Incidence	4.03 %
Single Pregnancies	233
Multiple pregnancies	18
Maternal death	-
Total No. of babies	252*
Caesarean section	148
Caesarean section rate	58.96 %

*Only one set of twin where both twins were in breech presentations.

BREECH PRESENTATIONS (Continued)

UNCOMPLICATED BREECH PRESENTATIONS

Total No. of cases	138
Incidence: Overall	2.22%
Among breech presentations	54.98%
Maternal deaths	-
S.B.	1 (0.72%)
N.N.D.	2 (1.46%)
P.N.D.	3 (2.17%)

Booked and Non-Booked:-

	No. of cases	Per- centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	128	92.75	-	128	1	2	3
Non-booked.	10	7.25	-	10	-	-	-
TOTAL	138	100.00	-	138	1	2	3

METHOD OF DELIVERY, BIRTH WEIGHT AND FOETAL LOSS:-

Method of delivery	Birth weight	Below 3,500 gms				3,501 gms & over			
		No. of babies	SB	NND	PND	No. of babies	SB	NND	PND
Spontaneous		-	-	-	-	-	-	-	-
Assisted with forceps for A.C.H.		24	-	-	-	2	-	-	-
Assisted with B.M.T. for A.C.H.		41	1	1	2	2	-	1	1
C.S.		49	-	-	-	20	-	-	-
TOTAL		114	1	1	2	24	-	1	1

Caesarean section rate 50 %.

BREECH PRESENTATIONS (Continued)

COMPLICATED BREECH PRESENTATIONS

Total No. of cases	113
Incidence: Overall.....	1.81 %
Among breech presentations	45.02 %
Total No. of babies	114*
Multiple pregnancies	18
Maternal deaths	-
S.B.	4 (3.51 %)
N.N.D.	3 (2.73 %)
P.N.D.	7 (6.14 %)
Booked and Non-booked:-	

	No. of cases	Per- centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	109	96.46	-	110	4	2	6
Non-booked	4	3.54	-	4	-	1	1
TOTAL	113	100.00	-	114	4	3	7

METHOD OF DELIVERY AND FOETAL RESULT:-

	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	1	-	-	-
Assisted breech with forceps for A.C.H.	12	-	1	1
Assisted breech with B.M.T. for A.C.H.	21	4	2	6
Breech extraction	1	-	-	-
C.S.	79	-	-	-
TOTAL	114	4	3	7

Caesarean section rate 69.30 %

ASSOCIATED COMPLICATIONS:- (More than 1 complication may be present in a case)

	No. of cases
Prematurity	41
Toxaemia	23
Twin pregnancy	18
A.P.H. of unknown origin	4
Prolonged leaking	2
Prolapse of cord	2
A.P.H. of extraplacental cause	1
Contracted pelvis	1
Multiple abnormality of babies	1
Cardiac disease	1
Tumour associated with pregnancy	1

* Only one set of twin pregnancy where both twins were in breech presentation.

Table 14

TRANSVERSE AND OBLIQUE LIE
(in labour)

Total No. of cases	12
Booked	11
Non-booked	1
Incidence	0.19 %
Total No. of babies	12*
Multiple pregnancies	2

No maternal death, S.B. or N.N.D. in these 12 patients

All 12 patients were delivered by C.S.

* Only 2 infants of the 2 sets of twins had transverse lie.

Table 15
FACE AND BROW PRESENTATION

Total No. of cases	6
Incidence	0.10 %
Total No. of babies	6
Multiple pregnancies	1*
Maternal deaths	-
S.B.	-
N.N.D.	1 (16.67 %)
P.N.D.	1 (16.67 %)

Booked and Non-booked:-

	No. of cases	Per- centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	4	66.67	-	4	-	1	1
Non-booked	2	33.33	-	2	-	-	-
Total	6	100.00	-	6	-	1	1

MANAGEMENT AND FOETAL LOSS:-

Method of delivery	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	2	-	1	1
Low forceps	1	-	-	-
C.S.	3	-	-	-
Total	6	-	1	1

* One of the twins had face presentation.

Table 16
COMPOUND PRESENTATION

Total No. of cases	3
Booked	2
Non-booked	1
Total No. of babies	3

No multiple pregnancies, maternal death, S.B. or N.N.D.

<u>Method of delivery</u>	<u>No. of cases</u>
spontaneous	1
L.S.C.S.	2
Total	<u>3</u>

Table 17

PROLAPSE AND PRESENTATION OF CORD

Total No. of cases	9
Booked	9
Non-booked	-
Incidence	0.14 %
Total No. of babies	10
Multiple pregnancies	1
No maternal death, S.B. or N.N.D.	

<u>Presentation</u>	<u>No. of cases</u>	<u>No. of babies</u>
Vertex	5	5
Breech	3	4
Celphalic	1	1
Total	<u>9</u>	<u>10</u>

All 9 patients were delivered by C.S.

Table 18
HYDRAMNIOS

Total No. of cases	5	
Incidence	0.08 %	
Total No. of babies	5	
Multiple pregnancies	-	
Maternal death	-	
S.B.	2	(40.00 %)
N.N.D.	1	(25.00 %)
P.N.D.	3	(60.00 %)

ASSOCIATED FOETAL ABNORMALITIES:-

	<u>No. of cases</u>
Mongol and congenital heart anomaly	1
Talipes and equino varus	1
Exomphalocoele and macroglossia	1

Table 19
PROLONGED LABOUR

Labour lasting	(Primipara - 24 hours or more
	(Multipara - 18 hours or more

No patient had prolonged labour

Table 20
LABOUR FOLLOWING PREVIOUS CAESAREAN SECTION

Total No. of cases	115
Booked	113
Non-booked	2
Incidence	1.85 %
Total No. of babies	115

No multiple pregnancy, maternal death, S.B. or N.N.D.

<u>Method of delivery</u>	<u>No. of cases</u>
Spontaneous	59
Vacuum extraction	20
Low forceps	12
Assisted breech with forceps	1
C.S.	23
	115

Table 21

INDUCTION OF LABOUR

Total No. of cases	888
Incidence	14.26 %
Total No. of babies	904
Multiple pregnancies	16
Maternal deaths	-
S.B.	11 (1.24 %)
N.N.D.	5 (0.57 %)
P.N.D.	15 (1.69 %)
Success rate*	79.50 %

Booked and Non-booked:-

	No. of cases	Per- centage	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	851	95.83	867	11	4	14
Non-booked	37	4.17	37	-	1	1
TOTAL	888	100.00	904	11	5	15

INDICATIONS:- (There may be more than 1 indication in 1 case)

Toxaemia of pregnancy	381
Postmaturity	183
Prolonged leakage of liquor or rupture of membranes	159
Fast term	77
A.P.H. of unknown origin	72
Meconium stained liquor	33
Intrauterine growth retardation	14
Elderly primipara	10
Intrauterine death	10
High blood pressure	8
Bad obstetrical history	6
Diabetes mellitus	5
Falling oestriæl	5
Scanty liquor	3
Congenital malformation of foetus	2
Missed abortion	1
Accidental haemorrhage	1
Others	42

* All Caesarean sections were counted as failures of induction.

INDUCTION OF LABOUR (Continued)

METHOD OF INDUCTION:-

Medical	238	(26.80 %)
Surgical	292	(32.88 %)
Combined medical and surgical	358	(40.32 %)

MEDICAL INDUCTION

PARITY:-

	No. of cases	Per-centage	Maternal deaths	S.B.	N.N.D.	P.N.D.
Para 0	171	71.85	-	5	4	8
Para 1	33	13.86	-	2	-	2
Para 2 & over	34	14.29	-	3	-	3
Total	238	100.00	-	10	4	13

METHOD OF DELIVERY:-

	No. of babies	Per-centage	Maternal deaths	S.B.	N.N.D.	P.N.D.
Spontaneous	132	54.54	-	8	3	10
Vacuum extraction	31	12.81	-	-	-	-
Forceps	14	5.79	-	-	-	-
Assisted breech with forceps for A.C.H.	3	1.24	-	-	-	-
Assisted breech with B.M.T. for A.C.H.	6	2.48	-	1	1	2
C.S.	56	23.14	-	1	-	1
Total	242	100.00	-	10	4	13

SURGICAL INDUCTION

PARITY:-

	No. of cases	Per-centage	Maternal deaths	S.B.	N.N.D.	P.N.D.
Para 0	157	53.77	-	-	-	-
Para 1	63	21.57	-	-	-	-
Para 2 & over	72	24.66	-	-	-	-
Total	292	100.00	-	-	-	-

INDUCTION OF LABOUR (Continued)

METHOD OF DELIVERY:-

	No. of Babies	Percentage	Maternal deaths	S.B.	N.N.D.	P.N.D.
Spontaneous	206	70.31	-	-	-	-
Vacuum extraction ...	35	11.95	-	-	-	-
Low Forceps	10	3.41	-	-	-	-
Assisted Breech with forceps for A.C.H....	-	-	-	-	-	-
Breech extraction ...	-	-	-	-	-	-
L.S.C.S.	42	14.33	-	-	-	-
Total	293	100.00	-	-	-	-

COMBINED MEDICAL AND SURGICAL INDUCTIONS

PARITY:-

	No. of cases	Percentage	Maternal deaths	S.B.	N.N.D.	P.N.D.
Para 0	265	74.02	-	1	-	1
Para 1	49	13.69	-	-	1	1
Para 2 & over	44	12.29	-	-	-	-
Total	358	100.00	-	1	1	2

METHOD OF DELIVERY:-

	No. of Babies	Percentage	Maternal deaths	S.B.	N.N.D.	P.N.D.
Spontaneous	171	46.34	-	-	1	1
Vacuum extraction	67	18.16	-	-	-	-
Low forceps	42	11.38	-	-	-	-
Asst. Breech with B.M.T. for A.C.H.	2	0.54	-	-	-	-
Asst. Breech with forceps for A.C.H.....	3	0.81	-	-	-	-
G.S.	84	22.77	-	1	-	1
Total	369	100.00	-	1	1	2

Table 22
VACUUM EXTRACTION

Total No. of cases	647
Incidence	10.39 %
Total No. of babies	649
Multiple pregnancies	4*
Maternal deaths	-
S.B.	-
N.N.D.	3 (0.46 %)
P.N.D.	3 (0.46 %)

BOOKED AND NON-BOOKED:-

	No. of cases	Percentage	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	629	97.22	631	1	2	3
Non-booked	18	2.78	18	-	-	-
TOTAL	647	100.00	649	1	2	3

PARITY:-

Para 0	549	84.85	551	1	1	2
Para 1	63	9.74	63	-	-	-
Para 2 & over	35	5.41	35	-	1	1
TOTAL	647	100.00	649	1	2	3

INDICATIONS:- (more than 1 indication may be present in 1 case)

Prolonged 2nd stage	216	APH of unknown origin	15
Foetal distress	196	Cardiac disease	12
Toxaemia of pregnancy	137	Elderly primigravida	8
Uterine dysfunction	60	Contracted pelvis	5
P.O.P. or P.O.T.	52	Both Foetal & Maternal distress	5
Maternal distress	39	Prematurity	4
Previous L.S.C.S.	20	Tumours associated with pregnancy	1
		Other indications	15

* 6 infants out of 4 sets of twins had V.E. deliveries.

Table 23
FORCEPS DELIVERY

Total No. of cases	353
Incidence	5.67 %
Total No. of babies	361
Multiple pregnancies	21*
Maternal deaths	-
S.B.	3 (0.83 %)
N.N.D.	6 (1.68 %)
P.N.D.	9 (2.49 %)

BOOKED AND NON-BOOKED:-

	No. of cases	Percentage	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	325	92.07	333	3	4	7
Non-booked	28	7.93	28	-	2	2
TOTAL	353	100.00	361	3	6	9

PARITY:-

Para 0	266	75.35	272	3	3	6
Para 1	60	17.00	61	-	2	2
Para 2 & over	27	7.65	28	-	1	1
TOTAL	353	100.00	361	3	6	9

TYPE OF FORCEPS AND FOETAL LOSS:-

Type of forceps	Foetal loss No. of babies	Primiparae			Multiparae			
		SB	NND	FND	No. of babies	SB	NND	FND
Low forceps	250	3	2	5	73	-	3	3
Asst. breech with forceps for A.C.H.	22	-	1	1	16	-	-	-
TOTAL	272	3	3	6	89	-	3	3

INDICATIONS : - (more than 1 indication may be present in 1 case)

Prematurity	108	Cardiac disease	9
Toxaemia of pregnancy	78	Elderly primigravida	3
Foetal distress	75	Contracted pelvis	2
Breech presentation	38	Placenta praevia	2
Prolonged 2nd stage	33	Accidental haemorrhage	1
P.O.P. or P.O.T.	27	Tumours associated with pregnancy	1
Uterine dysfunction	20	Face	1
Failed trial of V.E.	14	Other indications	32
Previous L.S.C.S.	13		
APH of unknown origin	9		

* 29 infants out of 21 sets of twins were delivered by forceps.

Table 24

VERSION IN LABOUR

No Version in labour done

Table 25
CAESAREAN SECTION

Total No. of cases	920	
Incidence	14.77	%
Total No. of babies	924	
Multiple pregnancies	4	
Maternal deaths	-	
S.B.	4	(0.43 %)
N.N.D.	5	(0.54 %)
P.N.D.	7	(0.76 %)

BOOKED AND NON-BOOKED:-

	No. of cases	Per- centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	886	96.30	-	889	4	5	7
Non-booked	34	3.70	-	35	-	-	-
Total	920	100.00	-	924	4	5	7

AGE GROUP:-

	No. of cases	Per- centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	66	7.17	-	66	-	1	1
21 - 25	344	37.39	-	346	2	2	4
26 - 30	341	37.07	-	342	2	2	2
31 - 35	98	10.65	-	98	-	-	-
36 - 40	56	6.09	-	57	-	-	-
41 & over	15	1.63	-	15	-	-	-
Total	920	100.00	-	924	4	5	7

PARITY:-

	No. of cases	Per- centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	539	58.59	-	542	2	2	4
Para 1	275	29.89	-	276	-	2	1
Para 2 & over	106	11.52	-	106	2	1	2
Total	920	100.00	-	924	4	5	7

CAESAREAN SECTION (Continued)

INDICATIONS:- (More than 1 indication may be present in 1 case)

Previous L.S.C.S.	269
Toxaemia of pregnancy	184
Unfavourable pelvis	157
P.O.P. or P.O.T.	154
Foetal distress	151
Breech presentation	148
Contracted pelvis	105
Failed trial of labour	78
Failed induction of labour	61
C-P disproportion	49
Placenta praevia	48
Uterine dysfunction	29
APH of unknown origin	23
Elderly primigravida	22
Transverse lie	12
Accidental haemorrhage	11
Diabetes mellitus	11
Tumour associated with Pregnancy	9
Failed trial of V.E.	7
Maternal distress	7
Prematurity	5
Previous C.C.S.	3
Face	3
Failed trial of forceps	3
Failed trial of vacuum & forceps	3
Prolapse of cord	2
Compound presentation	2
APH of extraplacental cause	1
Other indications	274

Table 26
RUPTURE OF UTERUS

No patient had rupture of uterus

Table 27
CONTRACTED PELVIS

Total No. of cases	133	
Incidence	2.14	%
Total No. of babies	133	
Multiple pregnancies	-	
Maternal deaths	-	
S.B.	1	(0.75 %)
N.N.D.	-	(%)
P.N.D.	1	(0.75 %)

BOOKED AND NON-BOOKED:-

	No. of cases	Per- centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	127	95.49	-	127	1	-	1
Non-booked	6	4.51	-	6	-	-	-
Total	133	100.00	-	133	1	-	1

PARITY:-

Para 0	73	54.89	-	73	-	-	-
Para 1	46	34.59	-	46	-	-	-
Para 2 and over	14	10.52	-	14	1	-	1
Total	133	100.00	-	133	1	-	1

METHOD OF DELIVERY & FOETAL LOSS:-

Method of delivery	No. of babies	Primiparae			No. of babies	Multiparae		
		S.B.	N.N.D.	P.N.D.		S.B.	N.N.D.	P.N.D.
Spontaneous	13	-	-	-	7	-	-	-
Vacuum extraction.....	2	-	-	-	3	-	-	-
Forceps	2	-	-	-	1	1	-	1
Asst. Br. T BNT for ACH								
L.S.C.S.	56	-	-	-	49	-	-	-
Total	73	-	-	-	60	1	-	1

Table 28

ANTEPARTUM HAEMORRHAGE

Total No. of cases	220	
Incidence	3.53	%
Total No. of babies	225	
Multiple pregnancies	5	
Maternal deaths	-	
S. B.	5	(2.22 %)
N. N. D.	4	(1.82 %)
P. N. D.	9	(4.00 %)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	202	91.82	-	207	4	3	7
Non-booked	18	8.18	-	18	1	1	2
Total	220	100.00	-	225	5	4	9

PARITY:-

Para 0	117	53.18	-	119	1	1	2
Para 1	54	24.55	-	54	2	1	3
Para 2 & over	49	22.27	-	52	2	2	4
Total	220	100.00	-	225	5	4	9

TYPE OF A.P.H. :-

Accidental haemorrhage	14	(6.36 %)
Placental praevia	51	(23.18 %)
A.P.H. ; unknown origin	140	(63.64 %)
A.P.H. due to extra-placental causes	15	(6.82 %)
	220	100.00

Table 29
PLACENTA PRAEVIA

Total No. of cases	51	
Incidence:- Overall	0.82	%
Among A.P.H.	23.18	%
Total No. of babies	51	
Multiple pregnancies	-	
Maternal deaths	-	
S.B.	1	(1.96)
N.N.D.	-	(-)
P.N.D.	1	(1.96)

BOOKED AND NON-BOOKED:-

	No. of cases	Per- centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	42	82.35	-	42	1	-	1
Non-booked	9	17.65	-	9	-	-	-
Total	51	100.00	-	51	1	-	1

AGE GROUP:-

20 & under	3	5.88	-	3	-	-	-
21 - 25	15	29.41	-	15	-	-	-
26 - 30	20	39.22	-	20	1	-	1
31 - 35	8	15.96	-	8	-	-	-
36 - 40	5	9.80	-	5	-	-	-
41 & over	-	-	-	-	-	-	-
Total	51	100.00	-	51	1	-	1

PARITY:-

Para 0	20	39.22	-	20	-	-	-
Para 1	18	35.29	-	18	-	-	-
Para 2 & over	13	25.49	-	13	1	-	1
Total	51	100.00	-	51	1	-	1

PLACENTA PRAEVIA (Continued)

METHOD OF DELIVERY:-

	No. of cases	Per- centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	1	1.96	-	1	-	-	-
Low forceps	2	3.92	-	2	-	-	-
L.S.C.S.	47	92.16	-	47	1	-	1
C.C.S.	1	1.96	-	1	-	-	-
Total	51	100.00	-	51	1	-	1

BLOOD LOSS AND FOETAL LOSS:-

Amount (ml.)	No. of Babies	S.B.	N.N.D.	P.N.D.
0 - 500 ml.	48	1	-	1
501 - 1,000 ml.	3	-	-	-
1,001 - 1,500 ml.	-	-	-	-
1,501 - 2,000 ml.	-	-	-	-
2,001 - 2,500 ml.	-	-	-	-
2,501 - 3000 ml.	-	-	-	-
3,001 & over	-	-	-	-
Total	51	1	-	1

Table 30
ACCIDENTAL ANTEPARTUM HAEMORRHAGE

Total No. of cases	14
Incidence:- Overall	0.23%
Among A.P.H.	6.36%
Total No. of babies	15
Multiple pregnancies	1
Maternal deaths	-
S.B.	3 (20.00%)
N.N.D.	- (- %)
P.N.D.	3 (20.00%)

CAUSES:-

Toxaemia	4
Hydramnios	-
Unknown	10

BOOKED AND NON-BOOKED:-

	No. of cases	Per- centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	13	92.86	-	14	2	-	2
Non-booked	1	7.14	-	1	1	-	1
Total	14	100.00	-	15	3	-	3

AGE GROUP:-

20 & under	1	7.14	-	1	-	-	-
21 - 25	7	50.00	-	8	1	-	1
26 - 30	3	21.43	-	3	1	-	1
31 - 35	2	14.29	-	2	-	-	-
36 - 40	1	7.14	-	1	1	-	1
41 & over	-	-	-	-	-	-	-
Total	14	100.00	-	15	3	-	3

PARITY:-

Para 0	8	57.14	-	9	-	-	-
Para 1	3	21.43	-	3	2	-	2
Para 2 & over	3	21.43	-	3	1	-	1
Total	14	100.00	-	15	3	-	3

ACCIDENTAL ANTEPARTUM HAEMORRHAGE
(Continued)

METHOD OF DELIVERY:-

	No. of cases	Per- centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	2	14.29	-	3	2	-	2
Vacuum extraction	-	-	-	-	-	-	-
Low Forceps	1	7.14	-	1	-	-	-
Caesarean Section	11	78.57	-	11	1	-	1
Total	14	100.00	-	15	3	-	3

Table 31
A.P.H. OF UNKNOWN ORIGIN

Total No. of cases	140	
Incidence: - Overall	2.25	%
Among A.P.H.	63.64	%
Total No. of babies	143	
Multiple pregnancies	3	
Maternal deaths	-	
S.E.	1	
N.N.D.	4	
P.N.D.	5	

BOOKED AND NON-BOOKED:-

	No. of cases	Per- centage	Maternal deaths	No. of Babies	S.B.	N.N.D.	P.N.D.
Booked	132	94.29	-	135	1	3	4
Non-Booked	8	5.71	-	8	-	1	1
Total	140	100.00	-	143	1	4	5

PARITY:-

	No. of cases	Per- centage	Maternal deaths	No. of Babies	S.B.	N.N.D.	P.N.D.
Para 0	77	55.00	-	78	1	1	2
Para 1	31	22.14	-	31	-	1	1
Para 2 & over	32	22.86	-	34	-	2	2
Total	140	100.00	-	143	1	4	5

METHOD OF DELIVERY:-

	No. of cases	Per- centage	Maternal deaths	No. of Babies	S.B.	N.N.D.	P.N.D.
Spontaneous	89	63.57	-	91	-	1	1
Vacuum extraction	15	10.71	-	15	-	-	-
Low Forceps	9	6.43	-	9	-	2	2
Assisted breech with forceps for A.C.H.	-	-	-	-	-	-	-
Assisted breech with B.M.T. for A.C.H.	4	2.86	-	5	1	1	2
L.S.C.S.	23	16.43	-	23	-	-	-
Total	140	100.00	-	143	1	4	5

A.P.H. OF UNKNOWN ORIGIN (Continued)

INDICATIONS FOR C.S.:-(more than 1 indication may be present in 1 case)

Previous C.S.	8
Breech presentation	4
Failed Trial of Labour	3
P.O.P.	3
Unfavorable pelvis	3
C-P disproportion	3
Contracted pelvis	2
Failed induction of labour	2
Fetal distress	2
Breech presentation, unfavourable pelvis	1
Toxaemia	1
Compound presentation	1
Uterine dysfunction	1

Table 32

A.P.H. DUE TO EXTRA PLACENTAL CAUSES

Total No. of cases	15
Booked	15
Non-booked	-
Incidence: - Overall	0.24%
Among A.P.H.	6.82%
Total No. of babies	16
Multiple pregnancy	1

No maternal death, S.B., N.N.D. in these 15 patients.

PARITY:-

Para 0	12
Para 1	2
Para 2 & over	1

CAUSES:-

Cervical erosion	11
Cervical polyp	2
Cervical tear	1
Genital wart	1

Table 33

POSTPARTUM HAEMORRHAGE

Total No. of cases	80
Incidence	1.28%
Total No. of babies	80
Multiple pregnancies	-
Maternal deaths	1

BOOKED AND NON-BOOKED:-

	No. of cases	Per- centage	Maternal deaths	No. of Babies	S.N.	N.N.D.	P.N.D.
Booked	69	86.25	1	69	-	1	1
Non-booked	11	13.75	-	11	-	-	-
Total	80	100.00	1	80	-	1	1

AGE GROUP:-

2 & under	8	10.00	-	8	-	-	-
21 - 25	29	36.25	1	29	-	-	-
26 - 30	35	43.75	-	35	-	1	1
31 - 35	4	5.00	-	4	-	-	-
36 - 40	3	3.75	-	3	-	-	-
41 & over	1	1.25	-	1	-	-	-
Total	80	100.00	1	80	-	1	1

PARITY:-

Para 0	39	48.75	1	39	-	-	-
Para 1	18	22.50	-	18	-	-	-
Para 2 & over	23	28.75	-	23	-	1	1
Total	80	100.00	1	80	-	1	1

METHOD OF DELIVERY:-

Spontaneous	53	66.25	1	53	-	-	-
Vacuum extraction	11	13.75	-	11	-	-	-
Low Forceps	7	8.75	-	7	-	-	-
Assisted breech with B.M.T. for A.C.H.	2	2.50	-	2	-	1	1
Caesarean section *	7	8.75	-	7	-	-	-
Total	80	100.00	1	80	-	1	1

*Blood loss in excess of 500ml after excluding loss attributed to surgical procedure

POSTPARTUM HAEMORRHAGE
(Continued)

CAUSES:- (more than 1 cause may be responsible)

	Primiparae	Multiparae	Total
Retained placenta	3	9	12
Uterine atony	9	10	19
Hypofibrinogeraemia	2	-	2
Trauma to genital tract	8	2	10
Inversion of uterus	-	-	-
Retained products of conception	5	13	18
Genital tract infection	-	-	-
Genital tract infection and retained products of conception.....	-	-	-
Subinvolution	11	7	18
Others	2	1	3

AMOUNT OF BLOOD LOSS:-

Millilitres	Primiparae	Multiparae	Total
500 or less	21	23	44
501 - 1,000	17	17	34
1,001 - 1,500	-	1	1
1,501 - 2,000	-	-	-
2,001 - 2,500	-	-	-
2,501 - 3,000	-	-	-
3,001 & over	1	-	1
Total	39	41	80

TREATMENT (There may be more than one treatment in each case:-

Blood transfusion	22	25	47
Fibrinogen	1	-	1
Both	-	-	-
Conservative (Ergometrine, Syntocinon, etc.)	13	7	20
Placenta delivered by fundal pressure	-	2	2
Placenta delivered by B.A.T.	-	-	-
Manual removal of placenta or cotyledon	-	7	7
Repair of laceration	2	1	3
Evacuation of uterus	13	17	30
Hysterectomy	2	-	2
Ligation of internal iliac arteries	-	-	-
Others (including combined treatment)	2	-	2

Table 34
MANUAL REMOVAL OF PLACENTA

Total No. of cases	45
Incidence	0.72 %
Total No. of babies	45
Multiple pregnancies	-
Maternal deaths	-

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	37	82.22	-	37	1	-	1
Non-booked	8	17.78	-	8	-	-	-
Total	45	100.00	-	45	1	-	1

AGE GROUP:-

20 & under	6	13.33	-	6	1	-	1
21 - 25	11	24.45	-	11	-	-	-
26 - 30	19	42.22	-	19	-	-	-
31 - 35	9	20.00	-	9	-	-	-
36 - 40	-	-	-	-	-	-	-
41 & over	-	-	-	-	-	-	-
Total	45	100.00	-	45	1	-	1

PARITY:-

Para 0	17	37.78	-	17	-	-	-
Para 1	13	28.89	-	13	-	-	-
Para 2 & over	15	33.33	-	15	1	-	1
Total	45	100.00	-	45	1	-	1

INDICATIONS:- (More than one indication may be present in one case)

	Primiparae	Multiparae	Total
Adherent placenta	11	19	30
Retained placenta	3	8	11
Broken cord	3	1	4
Others	-	-	-
Total	17	28	45

MANUAL REMOVAL OF PLACENTA (Continued)

METHOD OF DELIVERY:-

	No. of Cases	Per- centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	31	68.89	-	31	1	-	1
Vacuum extraction	9	20.00	-	9	-	-	-
Assisted breech with B.M.T. for A.C.H.	1	2.22	-	1	-	-	-
Low forceps	4	8.89	-	4	-	-	-
Total	45	100.00	-	45	1	-	1

Postpartum haemorrhage 7 cases (15.56 %)

DURATION OF LABOUR:-

	No. of cases
Second stage over 1 hour	16

Table 35

TUMOURS ASSOCIATED WITH PREGNANCY,
LABOUR OR PUERPERIUM

Total No. of cases	20
Booked	20
Non-booked	-
Total	20
Incidence	0.32%
Total No. of babies	20
Multiple pregnancies	-
Maternal deaths	-
S.B.	- (- %)
N.N.D.	1 (5.00%)
P.N.D.	1 (5.00%)

PARITY:-

	No. of cases	Per- centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	12	60.00	-	12	-	-	-
Para 1 &.....	5	25.00	-	5	-	-	-
Para 2 & over ...	3	15.00	-	3	-	1	1
Total	20	100.00	-	20	-	1	1

TYPE OF TUMOUR:-

Tumours of Ovary:

Ovarian cyst	9
Parovarian cyst	1
Other benign tumour of ovary	2
Malignant tumour of ovary	-

Tumours of Uterus (including cervix):

Uterine fibromyomata	2
Other benign tumour of uterus	3
Carcinoma of cervix	-
Other malignant tumour of uterus	-
Multiple uterine tumours	-

Tumours of Vagina:

Benign - including gartner duct cyst, inclusion cyst, etc. of vagina	2
Malignant tumour of vagina	-
Other tumours	1

METHOD OF DELIVERY:-

Spontaneous	8
Vacuum extraction	1
Assisted breech with B.M.T. FOR A.C.H.	1
L.S.C.S.	9
L.P.	1

Table 36
MULTIPLE PREGNANCY

Number of cases 45

TWIN PREGNANCY

Total No. of cases 45
Incidence of twin pregnancy 0.72 %
Total No. of babies 90
Maternal deaths -

Binovular 12
Uniovular 32
Unknown 1

FETAL MORTALITY:-

	First Twin	Second Twin	Total
S.B.	-	1	1
M.N.D.	-	-	-
T.N.D.	-	1	1

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	M.N.D.	T.N.D.
Booked	42	93.33	-	84	1	-	1
Non-booked	3	6.67	-	6	-	-	-
Total	45	100.00	-	90	1	-	1

AGE GROUP:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	M.N.D.	T.N.D.
20 & under	4	8.89	-	8	1	-	1
21 - 25	16	35.56	-	32	-	-	-
26 - 30	17	37.78	-	34	-	-	-
31 - 35	6	13.33	-	12	-	-	-
36 - 40	2	4.44	-	4	-	-	-
41 & over	-	-	-	-	-	-	-
Total	45	100.00	-	90	1	-	1

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	M.N.D.	T.N.D.
Para 0	22	48.89	-	44	1	-	1
Para 1	11	24.44	-	22	-	-	-
Para 2 & over	12	26.67	-	24	-	-	-
Total	45	100.00	-	90	1	-	1

MULTIPLE PREGNANCY (Continued)

BIRTH WEIGHT AND FOETAL LOSS:-

Birth weight (grams)	Foetal loss	First Twin			Second Twin		
		No. of babies	Foetal loss	Per-centage	No. of babies	Foetal loss	Per-centage
Under 1,500		-	-	-	2	-	-
1,901 - 2,000		10	-	-	8	1	12.50
2,001 - 2,500		20	-	-	22	-	-
2,501 - 3,000		12	-	-	13	-	-
3,001 - 3,500		3	-	-	-	-	-
3,501 - 4,000		-	-	-	-	-	-
4,001 & over		-	-	-	-	-	-
Total		45	-	-	45	1	2.22

METHOD OF DELIVERY AND FOETAL LOSS:-

Method of delivery	Foetal loss	First Twin			Second Twin		
		No. of babies	Foetal loss	Per-centage	No. of babies	Foetal loss	Per-centage
Spontaneous		21	-	-	7	-	-
Vacuum extraction		2	-	-	4	-	-
Low forceps		14	-	-	15	1	6.67
Assisted breech		4	-	-	14	-	-
Breech extraction		-	-	-	1	-	-
C.S.		4	-	-	4	-	-
Total		45	-	-	45	1	2.22

PRESENTATION:-

Vertex - Vertex	25
Vertex - Breech	10
Breech - Vertex	6
Breech - Breech	1
Vertex - Transverse	1
Breech - Transverse	1
Transverse - Transverse	-
Others	-
Vertex - face	1

MULTIPLE PREGNANCY (Continued)

PRESENTATION AND FOETAL LOSS:-

Presentation	First Twin			Second Twin		
	No. of babies	Foetal loss	Per-centage	No. of babies	Foetal loss	Per-centage
Vertex	37	-	-	31	1	3.23
Breech	8	-	-	11	-	-
Face	-	-	-	1	-	-
Transverse lie	-	-	-	2	-	-
TOTAL	45	-	-	45	1	2.22

INDICATIONS FOR C.S. (There may be more than 1 indication in 1 case):-

Toxaemia	5
Prolapse of cord	2
Uterine dysfunction	1
A.P.H. of unknow origin	1
Accidental haemorrhage	1
Elderly primigravida	1

MATERNAL COMPLICATIONS (More than one complication may be present in one case):-

Anaemia	23
Toxaemia	12
A.P.H. of unknown origin	3
A.P.H. due to extra-placental causes	1
Accidental haemorrhage	1

Table 37

PUERPERAL PYREXIA

Total No. of cases	238
Incidence	3.82 %

CAUSES:- (More than 1 cause may be present in each case)

Genital in origin	14
Urinary in origin	78
Combined genital and urinary origin	3
Others	102
Unknown origin	60

PUERPERAL PYREXIA (GENITAL)

Total No. of cases	17
Booked	15
Non-booked	2
Primiparae	10
Multiparae	7
Incidence:- Overall	0.27 %
Among puerperal pyrexia	7.14 %
Multiple pregnancies	-
Maternal deaths	-

METHOD OF DELIVERY :-

Spontaneous	6
Vacuum extraction	3
Low forceps	-
Assisted breech with B.M.T. for A.C.H.	-
Assisted breech with forceps for A.C.H.	-
L. S. C. S.	8
C. C. S.	-

Total No. of babies 17

MATERNAL DEATH

Booked case Serial No. 3443/77 Age: 22 Gravida: 2 Para: 0

This patient booked at the antenatal clinic at a maturity of 21 weeks and 3 days, calculated from the given L.M.P. The uterus was then 22 weeks gravid size. The antenatal course was uneventful.

She went into spontaneous labour at maturity of 40 weeks and 4 days. The first stage lasted 8 hours and 40 minutes. The second stage lasted 45 minutes and a female baby with an Apgar score of 5 in 1 minute was delivered. The third stage lasted 5 minutes. The patient was found to be in shock with profuse vaginal bleeding $\frac{1}{2}$ hour after delivery. The patient was also noticed to have cyanosis and gasping of respiration and cardiac arrest soon after. There was haematuria vaginal bleeding and bleeding from all puncture sites. The patient responded to active resuscitation. However, there was continuous vaginal bleeding. The urine output was nil and the central venous pressure was zero. Subtotal hysterectomy was performed. The patient had totally 6 episodes of cardiac arrest during and after operation and finally succumbed 15 hours after delivery.

Her baby had convulsion 1 day after delivery and responded to phenobarbitone. She will be followed up in the neonatal clinic.

Autopsy on the mother showed:-

- Pulmonary amniotic fluid embolism.
- Disseminated intravascular coagulation.
- Partial collapse of left lung.
- Pulmonary odema of right lung.

MATERNAL DEATH

Nonbooked case Serial No. 3683/77 Age: 25 Gravida: 3 Para: 2

The patient with polymyositis on steroid therapy was referred from Government Medical Unit at maturity of 29 weeks for antenatal care. She suffered from repeated exacerbations of polymyositis and pulmonary tuberculosis requiring hospitalization since February 1977. The condition on admission was poor with low grade fever, dysphagia, muscle weakness, anaemia and toxæmia. She was transferred to Queen Mary Hospital and medical unit was consulted. However, the condition deteriorated and the patient died despite increasing dose of steroid, antituberculous drugs and assisted respiration. Post mortem findings showed bilateral bronchopneumonia and pulmonary tuberculosis with extensive ulcers and haemorrhages in various organs.

Three days before death of the patient, a baby 1200 gms was delivered with Apgar score 2 in 1 min. The baby died on Day 9 as a result of repeated apnoeic attacks.

Table 38

SUMMARY OF PERINATAL LOSS (Continued)

Total No. of live births and stillbirths 6269*

Total No. of live births 6233*

CAUSES	S.B.			V.N.D.			P.N.D.		
	No. of babies	Incidence	No. of babies	Incidence per 1,000 L.B. & S.B.	No. of babies	Incidence per 1,000 L.B.	No. of babies	Incidence per 1,000 L.B. & S.B.	
Total No.	36 (1)	5.74	40 (-)	6.42	69 (1)	11.01			
Booked	34 (1)	5.68	29 (-)	4.87	58 (1)	9.68			
Non-booked	2 (-)	7.19	11 (-)	39.86	11 (-)	39.57			
Primiparae	25 (1)	7.05	16 (-)	4.55	38 (1)	10.72			
Multiparae	11 (-)	4.04	24 (-)	8.84	31 (-)	11.38			
CAUSES	S.B.			V.N.D.			P.N.D.		
	No. of babies	Incidence	No. of babies	Incidence per 1,000 L.B. & S.B.	No. of babies	Incidence per 1,000 L.B.	No. of babies	Incidence per 1,000 L.B. & S.B.	
1. Intrapartum anoxia	4	11.11%	1	2.50%	5	5	4	1	7.25%
2. Congenital malformations	4	11.11%	8	20.00%	11	9	6	5	15.94%
3. Antepartum anoxia	4	11.11%	-	-	4	3	2	2	5.80%
4. Antepartum deaths with no lesion	19	52.78%	-	-	19	19	13	6	27.54%
5. Respiratory distress syndrome	-	-	19	47.50%	15	12	3	6	21.74%
6. Birth trauma	-	-	1	2.50%	1	1	1	-	1.45%
7. Neonatal infection	-	-	4	10.00%	2	-	2	1	2.90%
8. Isoimmunization and other hemolytic disease ...	2	5.56%	2	5.00%	4	4	1	3	5.80%
9. Miscellaneous	3	8.33%	5	12.50%	8	5	4	4	11.58%
TOTAL	36	100.00%	40	100.00%	69	58	38	31	100.00

() No. in brackets indicates No. of twin babies.

* Excluding 3 BBA infants who were not admitted into hospital.

SUMMARY OF FOETAL LOSS (Continued)

BIRTH WEIGHT:-

Incidence of foetal loss in relation to birth weight

Birth weight (grams)		Total No. of Babies	S.B. No. of cases (%)	N.N.D. No. of cases (%)		P.N.D. No. of cases (%)		
Under 1,000		14	3	21.43	2	14.29	4	28.57
1,001 - 1,500		23	4	17.39	13	56.52	14	60.87
1,501 - 2,000		83	8	9.64	14	16.87	21	25.30
2,001 - 2,500		351	4	1.14	3	0.85	7	1.99
2,501 - 3,000		2013	11	0.55	5	0.25	14	0.70
3,001 - 3,500		2803	6	0.21	3	0.11	9	0.32
3,501 - 4,000		886	-	-	-	-	-	-
4,001 - 4,500		96	-	-	-	-	-	-
Above 4501		-	-	-	-	-	-	-
Total		6269*	36	0.57	40	0.64	69	1.10

Incidence of foetal loss in relation to method of delivery

Method of delivery	Total No. of babies	S.B.		N.N.D.		P.N.D.	
		No. of cases	(%)	No. of cases	(%)	No. of cases	(%)
Spontaneous	4269	23	0.54	23	0.54	41	0.96
Vacuum extraction	649	1	0.15	2	0.31	3	0.46
Low forceps	324	3	0.93	5	1.54	8	2.47
Assisted breech delivery with B.M.T. for A.C.H.	64	5	7.81	4	6.25	9	14.06
Assisted breech delivery with forceps for A.C.H.	38	-	-	1	2.63	1	2.63
Breech extraction	1	-	-	-	-	-	-
Caesarean section	924	4	0.43	5	0.54	7	0.76
Total	6269*	36	0.57	40	0.64	69	1.10

*Excluding 3BBA infants who were not admitted into hospital.

Table 40
CONGENITAL MALFORMATIONS

Total No. of cases	123
Booked	114
Non-booked	9
Incidence	19.62 per 1,000 L.B. & SB
Foetal mortality:-	
S.B.	6 (4.88%)
N.N.D.	14 (11.38%)
P.N.D.	18 (14.63%)
Among:- live births	1.88%
stillbirths	16.67%
premature live births	6.19%
neonatal deaths	35.00%

TYPE OF MALFORMATION:-

	<u>No. of cases</u>
Anomalies of eyes, ears, face and skin	31
Anomalies of axial and appendicular skeleton	20
Anomalies of cardio-vascular system	16
Anomalies of urogenital system	13
Anomalies of central nervous system	10
Anomalies of lip and palate	7
Anomalies of gastro-intestinal tract	7
Anomalies of Systematic skeleton	3
Anomalies of muscle and ligaments, including hernia	3
Anomalies of congenital tumours	1
Anomalies of respiratory system	1
Multiple anomalies	11

Table 41
BIRTH TRAUMA

Total No. of cases	69	
Incidence	11.01	per 1,000 L.B. & S.B.
Foetal result:- S.B.	-	(- %)
N.N.D.	1	(1.45 %)
P.N.D.	1	(1.45 %)

METHOD OF DELIVERY:-

	No. of babies	Percentage
Spontaneous	33	47.83
Vacuum extraction	24	34.78
Low forceps	8	11.59
Assisted breech with B.M.T. for A.C.H.	-	-
Assisted breech with forceps for A.C.H.	-	-
Breech extraction	-	-
Caesarean section	4	5.80

TYPE OF INJURY:- (More than one type of injury may be present in each case)

	No. of cases
Cephalhaematoma	58
Cerebral symptoms	1
Tentorial tear	-
Subdural haematoma	-
Abrasion	2
Combined	-
Depressed fracture of skull	3
Fracture of other bones	2
Both depressed fracture of skull and fracture of other bones	-
Other types of birth injury	5

Table 42
NEONATAL INFECTIONS —

Total No. of cases	312
Incidence (per 1,000 L.B.)	50.06
N.N.D.	28
Neonatal mortality rate	8.97%

Table 43
NEONATAL JAUNDICE

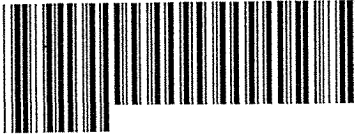
Total No. of cases	253
Incidence (per 1,000 L.B.)	40.59
No. of cases with known cause	98 (38.74%)

Cause	No. of cases	Exchange transfusion	N.N.D.
A.B.O. incompatibility	47	10	2
Glucose-6-phosphate dehydrogenase deficiency	18	2	-
P-K deficiency	1	-	-
Haemoglobinopathy	-	-	-
Cephalhaematoma	11	1	-
Prematurity	17	7	1
Sepsis	1	1	-
Ph incompatibility	-	-	-
Others	3	-	-
Unknown cause	155	19	1
Total	253	40	4

Table 44
X-RAY DEPARTMENT STATISTICS 1977

Month	Chest	Bones	Abdomen	Pelvimetry	Direct Placen- tography
January	85	16	40	144	11
February	89	7	29	110	12
March	90	7	30	118	5
April	52	7	22	93	1
May	71	12	25	90	9
June	61	10	27	85	11
July	57	7	23	85	4
August	95	13	33	64	10
September	59	15	42	59	6
October	70	9	38	51	2
November	63	7	37	57	3
December	64	6	27	80	9
Total	856	116	373	1036	83

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