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CLINICAL REPORT
OF THE
TSAN YUK HOSPITAL

FOR THE YEAR

1973



ISSUED BY THE
DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY
OF THE
UNIVERSITY OF HONG KONG

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ABBREVIATIONS

A.C.H.	After-coring head
Ad-	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
Qnt.	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

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HONG KONG

*With the Compliments of the Department
of Obstetrics & Gynaecology*

MEDICAL STAFF OF THE TSAN YUK HOSPITAL

Obstetrician In Charge:

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Obstetrician & Medical Superintendent:

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*L. Mullins, M.B.,Ch.B.St.Andrews; D.T.M.&H.; M.R.C.O.G.(Lond.)

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Consultant Anaesthetist:

Z. Lett, M.D.(Czech.); F.F.A.R.C.S. (Eng.)

*Part-time Lecturer

MEDICAL STAFF OF THE TSAN YUK HOSPITAL

(Continued)

Consultant Dermatologist:

K.O. Wong, M.B.,P.S.(H.K.); M.R.C.P.(Glas.)

Consultant Paediatrician:

Prof. G.M. Kneebone, M.B.,B.S.(Adel.); M.Sc.(Pitt.); F.R.A.C.P.

Consultant Pathologist:

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

Consultant Clinical Pathologist:

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

Consultant Physician:

Prof. A.J.S.McPadden, O.B.E.; M.D.(Glas.); D.Sc.(Hon.)(H.K.);
F.R.C.P.(Lond. and Edin.); F.R.S.E.; J.P.

Consultant Chest Physician:

Sister Mary Aquinas, M.B.,B.Ch.(N.U.I.)

Consultant Psychiatrist:

Prof. K. Singer, M.B.,B.S.(H.K.); M.R.C.P.E.; D.P.M.(Eng.)
Ou Ta Wei, George D.F.M.& H.(Eng.); L.R.C.P.Edin.; L.R.C.S.Edin.;
L.R.F.P.& S.Glas.; F.R.C.Psych.; D.P.M.Eng.

Consultant Surgeons:

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F.R.C.S.(Eng. and Edin.); F.A.C.S.; F.R.A.C.S.;
J.P.

R. Yiu, M.B.,B.S.(H.K.); F.R.C.S.(Eng.)

INTERFERENCE RATES AND PERINATAL MORTALITY
(1964 - 1973)

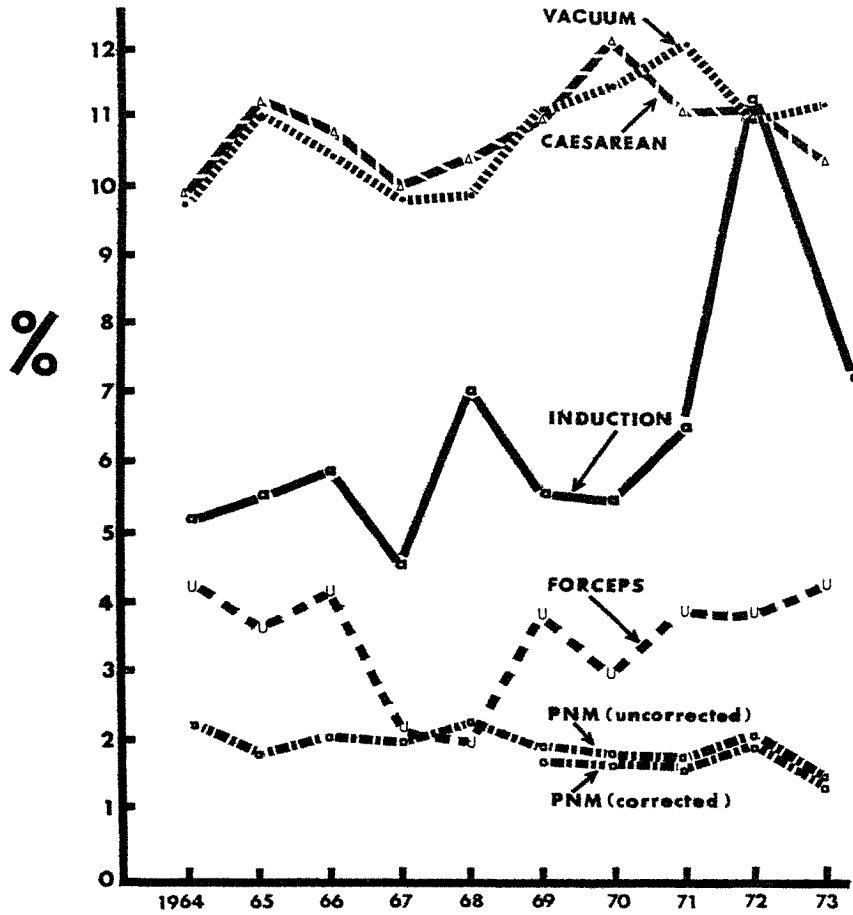


TABLE OF COMPARATIVE STATISTICS,

	<u>1964</u>	<u>1965</u>	<u>1966</u>
Adult patients admitted	6,761	5,654	5,361
Patients delivered in hospital	5,626	5,505	5,183
Primiparae	2,309	2,287	1,869
Multiparae	3,317	3,218	3,314
Patients admitted after delivery	52	59	60
Primiparae	4	7	-
Multiparae	48	52	60
Total patients delivered	5,678	5,564	5,240
Abortion	40	37	45
Patients transferred	32	17	35
Patients discharged undelivered	70	52	76
Pre-eclampsia	110	83	91
Eclampsia	4	4	5
Accidental antepartum haemorrhage	46	56	50
Placenta praevia	70	55	27
Postpartum haemorrhage	43	91	85
Contracted pelvis	440	464	443
Vacuum extraction	550	622	552
Vacuum extraction rate per cent	9.78	11.05	10.43
Forceps delivery	239	199	205
Forceps delivery rate per cent	4.21	3.54	4.04
Caesarean section	556	615	561
Caesarean section rate per cent	9.79	11.11	10.71
Maternal deaths	6	6	7
Maternal death rate			
(per 1000 cases admitted)	1.06	0.90	1.31
(per 1000 cases delivered)		1.06	1.34
Infants born in hospital	5,701	5,567	5,241
Infants born before admission	52	60	60
Total infants born	5,753	5,627	5,301
Infants transferred	15	6	16
Stillbirths (including macerated foetuses)	75	46	56
Stillbirth rate			
(per 1000 live and stillbirths)	13.04	8.17	10.56
Neo-natal deaths	58	56	58
Neo-natal death rate			
(per 1000 live births)	10.22	10.03	11.06
Perinatal deaths	132	100	109
Corrected perinatal mortality (excluding non-booked cases with IUD on admission)	- -	- -	- -
Corrected perinatal mortality rate			
(per 1000 live and stillbirths)	- -	- -	- -

1964 - 1973

<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>
5,469	6,047	5,919	6,073	5,891	6,539	6,986
5,296	5,787	5,700	5,851	5,519	6,177	6,563
2,314	2,378	2,478	2,478	2,255	2,902	2,879
2,982	3,409	3,222	3,373	3,264	3,275	3,684
52	113	97	118	113	76	95
4	10	5	13	8	11	8
48	103	92	105	105	65	87
5,347	5,900	5,797	5,969	5,632	6,253	6,658
33	38	44	42	35	38	38
23	23	22	24	5	13	21
89	109	78	62	224	248	290
66	132	89	57	60	120	153
3	7	9	8	2	2	5
43	50	37	51	42	31	17
42	49	49	49	39	57	33
78	126	87	103	103	84	119
354	333	350	391	260	241	239
530	580	641	680	678	685	743
9.83	9.83	11.05	11.39	12.04	10.95	11.16
114	115	217	170	212	233	277
2.06	1.95	3.74	2.85	3.76	3.73	4.16
534	609	637	723	620	693	686
9.94	10.32	10.99	12.11	11.01	11.08	10.30
2	-	-	2	-	3	2
0.37	-	-	0.33	-	0.46	0.29
0.37	-	-	0.17	-	0.48	0.30
5,348	5,854	5,747	5,906	5,563	6,227	6,615
52	113	103	118	116	78	91
5,400	5,967	5,850	6,024	5,679	6,305	6,706
17	21	22	-	-	6	6
52	61	59	58	43	60	39
9.63	10.22	10.11	9.64	7.58	9.53	5.82
59	82	56	52	59	68	58
11.03	13.88	9.69	8.72	10.48	10.91	8.70
108	132	109	106	95	126	94
- -	- -	96	98	88	123	92
- -	- -	16.49	16.28	15.51	19.54	13.73

STATISTICAL SUMMARY

Adult patients admitted	6,986
Patients delivered in hospital	6,567
Booked	6,061
Primiparae (Twins: 12 sets)	2,715
(Triples: - sets)	
Multiparae (Twins: 31 sets)	3,346
(Triples: - sets)	
Non-booked	506
Primiparae (Twins: 1 sets)	164
(Triples: - sets)	
Multiparae (Twins: 3 sets)	342
(Triples: - sets)	
Patients admitted after delivery	91
Booked	28
Primiparae (Twins: - sets)	3
(Triples: - sets)	
Multiparae (Twins: - sets)	25
(Triples: - sets)	
Non-booked	63
Primiparae (Twins: - sets)	5
(Triples: - sets)	
Multiparae (Twins: 1 sets)	58
(Triples: - sets)	
Total No. of patients delivered	6,658
Booked	6,089
Primiparae (Twins: 12 sets)	2,718
(Triples: - sets)	
Multiparae (Twins: 31 sets)	3,371
(Triples: - sets)	
Non-booked	569
Primiparae (Twins: 1 sets)	169
(Triples: - sets)	
Multiparae (Twins: 4 sets)	400
(Triples: - sets)	
Patients who aborted	38
Patients discharged undelivered	290
Maternal deaths	2
Maternal death rate (per 1,000 cases admitted)	0.29
(per 1,000 cases delivered)	0.30
Total No. of multiple pregnancies	48
Total No. of infants born	6,706
Total No. of infants born in hospital	6,614
Total No. of infants born before admission	92*
Total No. of live born infants	6,663 ⁺
Booked	6,104
Non-booked	559
Stillbirths	
Total	39
Booked	33
Non-booked	6

* Including 4 B.B.A. babies who were not admitted.

+ Excluding 4 B.B.A. babies who were not admitted.

STATISTICAL SUMMARY (Continued)

Stillbirth rate (per 1,000 live and stillbirths)	
Total	5.82
Booked	5.38
Non-booked	10.62
Neonatal deaths	
Total	52
Booked	13
Non-booked	15
Neonatal death rate (per 1,000 live births)	
Total	8.70
Booked	7.04
Non-booked	26.83
Perinatal deaths	
Total	94
Booked	73
Non-booked	21
Perinatal death rate (per 1,000 live and stillbirths)	
Total	14.03
Booked	11.90
Non-booked	37.17
* Corrected perinatal mortality (Excluding non-booked cases with I.U.D. on admission)	
Total	92
Booked	73
Non-booked	19
Corrected perinatal mortality rate (per 1,000 live and stillbirths)	
Total	13.73
Booked	11.90
Non-booked	33.63
Antenatal Clinic:-	
Total visits	44,685
New patients	6,868
Re-attendances	37,817
Postnatal Clinic:-	
Total visits	4,616
New patients	4,109
Re-attendances	507

TABLE 1
ASSOCIATED DISEASES
ANAEMIA

Total No. of cases	1768
Booked	1635
Non-booked	133
Primiparae	745
Multiparae	1023
Incidence	26.55%
Maternal Death	1 (0.06%)

TYPE OF ANAEMIA:-

1. Iron deficiency anaemia	566 (32.01%)
2. Thalassaemia major	7 (0.40%)
3. Thalassaemia minor	34 (1.92%)
4. Combined iron deficiency and Thalassaemia	2 (0.11%)
5. Other haeroglobinopathy	7 (0.40%)
6. Other haemolytic anaemia	1 (0.06%)
7. Others	78 (4.41%)
8. Unknown	1073 (60.69%)

URINARY TRACT INFECTIONS (Antenatal)

Total No. of cases	186
Incidence	2.79 %

AGE GROUP:-

	No. of cases	Per-centage	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	35	18.82	35	-	1	1
21 - 25	74	39.79	74	-	-	-
26 - 30	49	26.34	49	-	2	2
31 - 35	16	8.60	16	-	-	-
36 - 40	8	4.30	8	-	-	-
41 & over	4	2.15	4	-	-	-
TOTAL	186	100.00	186	-	3	3

PARITY:-

Para 0	111	59.68	111	-	1	1
Para 1	32	17.20	32	-	1	1
Para 2 & over	43	23.12	43	-	1	1
TOTAL	186	100.00	186	-	3	3

TABLE 1 (Continued)
PULMONARY TUBERCULOSIS

	Active
Total No. of cases	51
Booked	48
Non-booked	3
Primiparae	29 ⁹
Multiparae	22
Incidence	0.77%
S.B.	-
N.N.D.	-
P.N.D.	-

POTENTIAL DIABETES

Total No. of cases	Nil
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DIABETES MELLITUS

Total No. of cases	1
Booked	1
Multiparae	1
Incidence	0.02%

TABLE 1 (Continued)

THYROTOXICOSIS

No. of cases	13	
Booked	13	
Non-booked	-	
Primiparae	5	
Multiparae	8	
Incidence	0.20	%
Maternal deaths	-	
S. B.	1	(7.69 %)
N. N. D.	-	
P. N. D.	1	(7.69 %)

TABLE 2

ABORTION*

Total No. of cases	38
Booked	32
Non-booked	6
Primiparae	19
Multiparae	19
Incidence	0.57%
Maternal deaths	-
Type of abortion:-	
Inevitable	1
Missed	6
Habitual	2
Incomplete	5
Complete	23
Others	1

* Non-booked cases of abortion are normally not admitted and managed in this maternity hospital.

TABLE 3
CARDIAC DISEASE

Total No. of cases	64	
Booked	61	
Non-booked	3	
Primiparae	23	
Multiparae	41	
Incidence	0.96	%
Total No. of babies	65	
Multiple pregnancies	1	
Maternal deaths	-	
S. B.	3	(4.62 %)
N. N. D.	-	
P. N. D.	3	(4.62 %)

ANATOMICAL LESIONS:-

A. Rheumatic heart disease	53
(a) Mitral lesion	46
(b) Mitral and aortic lesions	6
(c) Aortic lesion	1
B. Congenital heart disease	8
C. Others	3

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	7	10.94	-	7	1	-	1
21 - 25	33	51.56	-	33	-	-	-
26 - 30	12	18.75	-	12	1	-	1
31 - 35	10	15.63	-	10	1	-	1
36 - 40	-	-	-	-	-	-	-
41 & over	2	3.12	-	*3	-	-	-
Total	64	100.00	-	65	3	-	3

PARITY:-							
Para 0	23	35.94	-	23	1	-	1
Para 1	25	39.06	-	25	1	-	1
Para 2 & over	16	25.00	-	*17	1	-	1
Total	64	100.00	-	65	3	-	3

METHOD OF DELIVERY:-							
Spontaneous	29	45.31	-	29	2	-	2
Vacuum extraction	19	29.69	-	19	-	-	-
Low Forceps	6	9.38	-	6	-	-	-
Assisted breech	2	3.12	-	2	-	-	-
L.S.C.S.	8	12.50	-	9	1	-	1
Total	64	100.00	-	65	3	-	3

FUNCTIONAL GRADING:-		No. of cases
Class I	.....	29
Class II	.....	31
Class III	.....	4
CLASS IV	.....	-
Deterioration during pregnancy	.....	1
Post-valvotomy	.....	2

*Including one set of twin.

TABLE 4

TOXAEMIA OF PREGNANCY

Total No. of cases	857
Incidence	12.87%
Total No. of babies	873
Multiple pregnancies	16
Maternal deaths	1 (0.12%)
S.B.	6 (0.69%)
N.N.D.	1 (0.12%)
P.N.D.	7 (0.80%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal Death	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	769	89.73	1	784	6	1	7
Non-booked	88	10.27	-	89	-	-	-
TOTAL	857	100.00	1	873	6	1	7

Type of Toxaemia:-

	No. Of Cases	Percentage among toxaemia
Pre-eclampsia	153	17.85
Eclampsia	5	0.58
Unclassified toxaemia 'A'	585	68.26
Unclassified toxaemia 'B'	71	8.29
Recurrent toxaemia	30	3.50
Essential hypertension	9	1.05
Chronic nephritis	4	0.47

Definition:-

- 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
PTE-ECLAMPSIA

Total No. of cases	153	
Mild	143	
Severe	10	
Incidence:- Overall	2.30	%
Among toxæmia	17.85	%

Total No. of babies	154	
Multiple pregnancies	1	
Maternal deaths	-	
S. B.	1	(0.65 %)
N. N. D.	-	
P. N. D.	1	(0.65 %)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	151	98.69	-	152	1	-	1
Non-booked	2	1.31	-	2	-	-	-
Total	153	100.00	-	154	1	-	1

AGE GROUP:-

Age Group	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	15	9.80	-	15	-	-	-
21 - 25	70	45.75	-	70	-	-	-
26 - 30	43	28.11	-	44	-	-	-
31 - 35	10	6.54	-	10	-	-	-
36 - 40	11	7.19	-	11	1	-	1
41 & over	4	2.61	-	4	-	-	-
Total	153	100.00	-	154	1	-	1

PRE-ECLAMPSIA (Continued)

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	109	71.24	-	109	-	-	-
Para 1	19	12.42	-	19	-	-	-
Para 2 & over	25	16.34	-	26	1	-	1
Total	153	100.00	-	154	1	-	1

METHOD OF DELIVERY:-

Spontaneous	86	55.84	-	86	-	-	-
Vacuum extraction ..	33	21.43	-	33	-	-	-
Forceps	10	6.49	-	10	-	-	-
Breech	2	1.30	-	2	-	-	-
Caesarean section ..	23	14.94	-	23	1	-	1
Total	154	100.00	-	154	1	-	1

CLASSIFICATION:-

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

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

PRE-ECLAMPSIA (Continued)

METHOD OF DELIVERY & FETAL LOSS	Total		Mild		Severe	
	No. of babies	No. of babies	S.B.	N.N.D. P.N.D.	S.B.	N.N.D. P.N.D.
PRIMIPARAE						
(A) Spontaneous labour	60	58	-	-	-	2
(1) Spont. Vertex delivery	35	35	-	-	-	-
(2) Spont. Breech delivery	-	-	-	-	-	-
(3) Vacuum Extraction	18	18	-	-	-	-
(4) Forceps	3	3	-	-	-	-
(5) Assisted Breech delivery	-	-	-	-	-	-
(6) C.S.	4	2	-	-	-	2
(B) Induced labour	49	45	-	-	-	4
(1) Spont. Vertex delivery	15	15	-	-	-	-
(2) Spont. Breech delivery	-	-	-	-	-	-
(3) Vacuum Extraction	14	14	-	-	-	-
(4) Forceps	6	5	-	-	-	1
(5) Assisted Breech delivery	-	-	-	-	-	-
(6) C.S.	14	11	-	-	-	3
Total	109	103	-	-	-	6
MULTIPARAE						
(A) Spontaneous labour	28	24	-	-	-	4
(1) Spont. Vertex delivery	22	19	-	-	-	3
(2) Spont. Breech delivery	-	-	-	-	-	-
(3) Vacuum Extraction	1	1	-	-	-	-
(4) Forceps	1	1	-	-	-	-
(5) Assisted Breech delivery	1	1	-	-	-	-
(6) C.S.	3	2	-	-	-	1
(B) Induced labour	17	17	1	1	-	-
(1) Spont. Vertex delivery	14	14	-	-	-	-
(2) Spont. Breech delivery	-	-	-	-	-	-
(3) Vacuum Extraction	-	-	-	-	-	-
(4) Forceps	-	-	-	-	-	-
(5) Assisted Breech delivery	1	1	-	-	-	-
(6) C.S.	2	2	1	1	-	-
Total	45	41	1	1	-	4
GRAND TOTAL	154	144	1	1	-	10

PRE-ECLAMPSIA (Continued)

BIRTH WEIGHT & FOETAL LOSS:-

Birth weight (grams)	No. of babies	S.B.	N.N.D.	P.N.D.
(A) Spontaneous labour	87	-	-	-
Under 1,500	-	-	-	-
1,501 - 2,000	-	-	-	-
2,001 - 2,500	15	-	-	-
2,501 - 3,000	38	-	-	-
3,001 - 3,500	28	-	-	-
3,501 - 4,000	5	-	-	-
4,001 & over	1	-	-	-
(B) Induced labour	67	-	-	-
Under 1,500	-	-	-	-
1,501 - 2,000	2	-	-	-
2,001 - 2,500	9	-	-	-
2,501 - 3,000	18	-	-	-
3,001 - 3,500	26	-	-	-
3,501 - 4,000	12	1	-	1
4,001 & over	-	-	-	-
Total	154	1	-	1

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

	<u>No. of cases</u>
Toxaemia	23
Foetal distress	15
Malpresentations: Breech	3
P.O.P. & P.O.T.	7
Uterine dysfunction	5
Prematurity	3
Contracted pelvis	3
C-P disproportion	3
Elderly primigravidae	2
Previous L.S.C.S.	2
Maternal distress	1
Both Maternal & Foetal distress	1
Prolapse of cord	1
Diabetes mellitus	1
Failed induction of labour	1
Failed trial of Vacuum Extraction	1
Others	4

Table 6
ECLAMPSIA

Total No. of cases	5
Incidence:- Overall	0.08 %
Among toxæmia	0.58 %
Total No. of babies	5
Multiple pregnancies	-
Maternal deaths	-
S. B.	-
N. K. D.	-
P. N. D.	-

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	2	40.00	-	2	-	-	-
Non-booked	3	60.00	-	3	-	-	-
Total	5	100.00	-	5	-	-	-

AGE GROUP:-

20 & under	3	60.00	-	3	-	-	-
21 - 25	1	20.00	-	1	-	-	-
25 - 30	1	20.00	-	1	-	-	-
31 - 35	-	-	-	-	-	-	-
36 - 40	-	-	-	-	-	-	-
41 & over	-	-	-	-	-	-	-
Total	5	100.00	-	5	-	-	-

PARITY:-

Para 0	5	100.00	-	5	-	-	-
Para 1	-	-	-	-	-	-	-
Para 2 & over	-	-	-	-	-	-	-
Total	5	100.00	-	5	-	-	-

METHOD OF DELIVERY:-

Spontaneous	2	40.00	-	2	-	-	-
Vacuum extraction ...	2	40.00	-	2	-	-	-
Caesarean section	1	20.00	-	1	-	-	-
Total	5	100.00	-	5	-	-	-

Table 7

UNCLASSIFIED TOXAEMIA 'A'

Total No. of cases	585	
Incidence:- Overall	8.79	%
Among toxæmia	68.26	%
Total No. of babies	598	
Multiple pregnancies	13	
Maternal deaths	1	(0.17 %)
S. B.	4	(0.67 %)
N. N. D.	-	
P. N. D.	4	(0.67 %)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	519	88.72	1	532	4	-	4
Non-booked	66	11.28	-	66	-	-	-
Total	585	100.00	1	598	4	-	4

AGE GROUP:-

20 & under	68	11.62	-	68	2	-	2
21 - 25	242	41.37	1	248	-	-	-
26 - 30	119	20.34	-	123	1	-	1
31 - 35	69	11.80	-	70	-	-	-
36 - 40	73	12.48	-	75	1	-	1
41 & over	14	2.39	-	14	-	-	-
Total	585	100.00	1	598	4	-	4

PARITY:-

Para 0	314	53.67	1	319	2	-	2
Para 1	103	17.61	-	105	-	-	-
Para 2 & over	168	28.72	-	174	2	-	2
Total	585	100.00	1	598	4	-	4

UNCLASSIFIED TOXAEMIA 'A' (Continued)

METHOD OF DELIVERY AND FOETAL LOSS:-

METHOD OF DELIVERY	Total No. of Babies	Booked			Non-booked				
		No. of babies	SB	NND	PND	No. of babies	SB	NND	PND
PRIMIPARAE									
(A) Spontaneous labour	204	186	2	-	2	18	-	-	-
(1) Spont. vertex delivery	103	96	2	-	2	7	-	-	-
(2) Spont. breech delivery	-	-	-	-	-	-	-	-	-
(3) Vacuum extraction	57	47	-	-	-	10	-	-	-
(4) Forceps	13	13	-	-	-	-	-	-	-
(5) Breech delivery	6	5	-	-	-	1	-	-	-
(6) C. S.	25	25	-	-	-	-	-	-	-
(B) Induced labour	116	113	-	-	-	3	-	-	-
(1) Spont. vertex delivery	54	52	-	-	-	2	-	-	-
(2) Spont. breech delivery	-	-	-	-	-	-	-	-	-
(3) Vacuum extraction	34	34	-	-	-	-	-	-	-
(4) Forceps	3	3	-	-	-	-	-	-	-
(5) Breech delivery	3	3	-	-	-	-	-	-	-
(6) C. S.	22	21	-	-	-	1	-	-	-
TOTAL	320	299	2	-	2	21	-	-	-
MULTIPARAE									
(A) Spontaneous labour	197	164	1	-	1	33	-	-	-
(1) Spont. vertex delivery	142	114	1	-	1	28	-	-	-
(2) Spont. breech delivery	-	-	-	-	-	-	-	-	-
(3) Vacuum extraction	11	10	-	-	-	1	-	-	-
(4) Forceps	6	4	-	-	-	2	-	-	-
(5) Breech delivery	8	7	-	-	-	1	-	-	-
(6) C. S.	30	29	-	-	-	1	-	-	-
(B) Induced labour	81	69	1	-	1	12	-	-	-
(1) Spont. vertex delivery	61	50	1	-	1	11	-	-	-
(2) Spont. breech delivery	-	-	-	-	-	-	-	-	-
(3) Vacuum extraction	7	6	-	-	-	1	-	-	-
(4) Forceps	5	5	-	-	-	-	-	-	-
(5) Breech delivery	1	1	-	-	-	-	-	-	-
(6) C.S.	7	7	-	-	-	-	-	-	-
TOTAL	278	233	2	-	2	45	-	-	-
GRAND TOTAL	598	532	4	-	4	66	-	-	-

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		401	3	-	3
Under 1,500		1	1	-	1
1,501 - 2,000		11	1	-	1
2,001 - 2,500		47	-	-	-
2,501 - 3,000		172	1	-	1
3,001 - 3,500		127	-	-	-
3,501 - 4,000		42	-	-	-
4,001 & over		1	-	-	-
(B) Induced labour		197	1	-	1
Under 1,500		-	-	-	-
1,501 - 2,000		-	-	-	-
2,001 - 2,500		18	-	-	-
2,501 - 3,000		89	-	-	-
3,001 - 3,500		80	1	-	1
3,501 - 4,000		9	-	-	-
4,001 & over		1	-	-	-
TOTAL		598	4	-	4

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

	No. of cases
Toxaemia	77
Foetal distress	33
Malpresentations: Breech	25
Compound	-
Transverse lie	1
Brow	1
Malpositions: P.O.P. or P.O.T.	21
Previous C.S.	21
Contracted pelvis	19
Uterine dysfunction	13
Unfavourable pelvis	11
Failed induction	11
Failed trial of labour	7
Elderly primigravida	6
Maternal distress	4
Failed trial of Vacuum Extraction	3
Pulmonary tuberculosis	2
C-P disproportion	2
APH of extraplacental cause	2
Placenta praevia	1
Cardiac disease	1
Accidental haemorrhage	1
APH of unknown origin	1
Foetal & Maternal distress	1
Other indications	19

UNCLASSIFIED TOXAEMIA '3'

Total No. of cases	71	
Incidence:- Overall	1.07	%
Among toxæmia	8.29	%
Total No. of babies	73	
Multiple pregnancies	2	
Maternal deaths	-	
S.B.	1	(1.37 %)
N.N.D.	-	"
P.N.D.	1	(1.37 %)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	56	78.87	-	57	1	-	1
Non-booked	15	21.13	-	16	-	-	-
Total	71	100.00	-	73	1	-	1

AGE GROUP:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	4	5.63	-	4	-	-	-
21 - 25	17	23.94	-	17	1	-	1
26 - 30	23	32.40	-	23	-	-	-
31 - 35	9	12.68	-	10	-	-	-
36 - 40	12	16.90	-	13	-	-	-
41 & over	6	8.45	-	6	-	-	-
Total	71	100.00	-	73	1	-	1

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	28	39.44	-	28	1	-	1
Para 1	12	16.90	-	12	-	-	-
Para 2 & over	31	43.66	-	33	-	-	-
Total	71	100.00	-	73	1	-	1

UNCLASSIFIED TOXAEMIA 'B' (Continued)

METHOD OF DELIVERY AND FOETAL LOSS:-

Method of delivery	Total No. of babies	Booked			Non-booked				
		No. of babies	SB	NND	PND	No. of babies	SB	NND	PND
PRIMIPARAE									
(A) Spontaneous labour	17	15	1	-	1	2	-	-	-
(1) Spont. Vertex delivery	9	9	1	-	1	-	-	-	-
(2) Spont. Breech delivery	-	-	-	-	-	-	-	-	-
(3) Vacuum Extraction ...	5	4	-	-	-	1	-	-	-
(4) Forceps	-	-	-	-	-	-	-	-	-
(5) Breech delivery	-	-	-	-	-	-	-	-	-
(6) C. S.	3	2	-	-	-	1	-	-	-
(B) Induced labour	11	11	-	-	-	-	-	-	-
(1) Spont. Vertex delivery	4	4	-	-	-	-	-	-	-
(2) Spont. Breech delivery	-	-	-	-	-	-	-	-	-
(3) Vacuum Extraction ...	3	3	-	-	-	-	-	-	-
(4) Forceps	-	-	-	-	-	-	-	-	-
(5) Breech delivery	-	-	-	-	-	-	-	-	-
(6) C. S.	4	4	-	-	-	-	-	-	-
TOTAL	28	26	1	-	1	2	-	-	-
MULTIPARAE									
(A) Spontaneous labour	38	24	-	-	-	14	-	-	-
(1) Spont. Vertex delivery	28	15	-	-	-	13	-	-	-
(2) Spont. Breech delivery	-	-	-	-	-	-	-	-	-
(3) Vacuum Extraction ...	1	1	-	-	-	-	-	-	-
(4) Forceps	2	2	-	-	-	-	-	-	-
(5) Breech delivery	-	-	-	-	-	-	-	-	-
(6) C. S.	7	6	-	-	-	1	-	-	-
(B) Induced labour	7	7	-	-	-	-	-	-	-
(1) Spont. Vertex delivery	5	5	-	-	-	-	-	-	-
(2) Spont. Breech delivery	-	-	-	-	-	-	-	-	-
(3) Vacuum Extraction ...	-	-	-	-	-	-	-	-	-
(4) Forceps	-	-	-	-	-	-	-	-	-
(5) Breech delivery	1	1	-	-	-	-	-	-	-
(6) C. S.	1	1	-	-	-	-	-	-	-
TOTAL	45	31	-	-	-	14	-	-	-
GRAND TOTAL	73	57	1	-	1	16	-	-	-

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	55	1	-	1
Under 1,500	1	1	-	1
1,501 - 2,000	2	-	-	-
2,001 - 2,500	11	-	-	-
2,501 - 3,000	22	-	-	-
3,001 - 3,500	16	-	-	-
3,501 - 4,000	3	-	-	-
4,001 & over	-	-	-	-
(B) Induced labour	18	-	-	-
Under 1,500	-	-	-	-
1,501 - 2,000	-	-	-	-
2,001 - 2,500	3	-	-	-
2,501 - 3,000	12	-	-	-
3,001 - 3,500	1	-	-	-
3,501 - 4,000	2	-	-	-
4,001 & over	-	-	-	-
TOTAL	73	1	-	1

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

	<u>No. of cases</u>
Toxaemia	13
Contracted pelvis	4
Malpositions - P.O.P. or P.O.T.	4
Foetal distress	2
Previous Caesarean Section	2
Prolapse of cord	2
Unfavourable pelvis	1
Malpresentation - Breech	1
- Transverse lie	1
Failed induction of labour	1
Failed trial of labour	1
Presentation of cord	1
Elderly primigravida	1
Other indications	4

Table 9

RECURRENT TOXAEMIA

Total No. of cases	30	
Booked	29	
Non-booked	1	
Primiparae	1	
Multiparae	29	
Incidence:- Overall	0.45	%
Among toxemia	3.50	%
Total No. of babies	30	
Multiple pregnancies	-	
Maternal deaths	-	
S. B.	-	
N. N. D.	-	
F. N. D.	-	

Table 10
ESSENTIAL HYPERTENSION

Total No. of cases	9	
Booked	8	
Non-booked	1	
Primiparae	7	
Multiparae	2	
Incidence:- Overall	0.14	%
Among toxæmia	1.05	%
Total No. of babies	9	
Multiple pregnancies	-	
Maternal deaths	-	
S. B.	-	
N. N. D.	1	(11.11 %)
P. N. D.	1	(11.11 %)

Table 11
CHRONIC NEPHRITIS

Total No. of cases	4	
Booked	4	
Non-booked	-	
Primiparae	1	
Multiparae	3	
Incidence:- Overall	0.06	%
Among toxæmia	0.47	%
Total No. of babies	4	
Multiple pregnancies	-	
Maternal deaths	-	
S. B.	-	
N. N. D.	-	
P. N. D.	-	

Table 12

PERSISTENT POSTERIOR POSITION OF THE OCCIPUT
AND TRANSVERSE ARREST

Total No. of cases	374
Incidence	5.62 %
Total No. of babies	375
Multiple pregnancies	2*
Maternal deaths	-
S. B.	3 (0.80%)
N.N.D.	5 (1.34%)
P.N.D.	8 (2.13%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	339	90.64	-	340	2	4	6
Non-booked	35	9.36	-	35	1	1	2
TOTAL	374	100.00	-	375	3	5	8

SUMMARY OF LABOUR:-

	<u>No. of cases</u>
Labour lasting more than 24 hours	

METHOD OF DELIVERY:-

Spontaneous delivery (face to pubis)	20
Vacuum extraction	117
Forceps	23
Manual rotation and mid forceps	1
Caesarean Section	214
TOTAL	375

* In only 1 set of twins, both presented in Vertex O.T.

Table 13
BREECH DELIVERIES

Total No. of cases	229
Booked	194
Non-booked	35
Primiparae	104
Multiparae	125
Single pregnancies	206
Multiple pregnancies	23
Maternal deaths	-
Total No. of babies	232*
Incidence	3.44%
Caesarean section	71
Caesarean Section rate	31.00%

*In 3 sets of twin pregnancy, both twins were in breech presentation.

BREECH DELIVERIES (Continued)

UNCOMPLICATED BREECH DELIVERIES

total No. of cases	128		
Maternal deaths	-		
B.	1	(0.78 %)	
N. D.	1	(0.79 %)	
P. N. D.	2	(1.56 %)	

BOOKED AND NON-BOOKED:-

	No. of cases	Percentage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	106	82.81	-	106	1	1	2
Non-booked	22	17.19	-	22	-	-	-
Total	128	100.00	-	128	1	1	2

METHOD OF DELIVERY, BIRTH WEIGHT AND FETAL LOSS:-

Method of delivery	Birth weight	2,501 - 3,500 gms.			3,501 gms. & over			
		No. of babies	S.B.	N.N.D.	P.N.D.	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous		3	1	-	1	-	-	-
Assisted with forceps for A.C.E.		51	-	1	1	3	-	-
Assisted with B.M.T. for A.C.H.		39	-	-	-	3	-	-
C.S.		19	-	-	-	10	-	-
Total		112	1	1	2	16	-	-

Caesarean section rate 22.66 %

BREECH DELIVERIES (Continued)
 COMPLICATED BREECH DELIVERIES

Total No. of cases	101
Multiple pregnancies	24*
Total No. of babies	104
Maternal deaths	-
S.B.	2 (1.92%)
N.N.D.	4 (3.92%)
P.N.D.	5 (4.81%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	88	87.13	-	91	2	2	3
Non-booked	13	12.87	-	13	-	2	2
TOTAL	101	100.00	-	104	2	4	5

METHOD OF DELIVERY AND FOETAL RESULT:-

	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	3	1	-	1
Assisted breech with forceps for A.C.H.	29	-	1	1
Assisted breech with B.M.T. for A.C.H.	26	-	3	2
Breech extraction	4	-	-	-
C.S.	42	1	-	1
TOTAL	104	2	4	5

Caesarean section rate 40.38 %

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

	No. of cases
Prematurity	39
Toxaemia	23
Twin pregnancy	23
Contracted pelvis	12
Prolapse of cord	6
A.P.H. of unknown origin	3
Placenta praevia	1
Congenital abnormality of baby	1
Previous L.S.C.S.	1

* In only 3 sets of twins both twins were in breech presentation.

Table 14
TRANSVERSE AND OBLIQUE LIE
(in labour)

Total No. of cases	10	
Incidence	0.15%	
Total No. of babies	10	
Multiple pregnancies	1*	
Maternal deaths	-	
S. B.	-	
N.N.D.	2	(20.00%)
P.N.D.	2	(20.00%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	SB	NND	PND
Booked	8	80.00	-	8	-	1	1
Non-booked	2	20.00	-	2	-	1	1
TOTAL	10	100.00	-	10	-	2	2

MANAGEMENT AND FOETAL LOSS:-

Method of delivery	No. of babies	S.B.	N.N.D.	P.N.D.
External version in labour and assisted breech delivery	1	-	-	-
L.S.C.S.	7	-	2	2
C.C.S.	2	-	-	-
TOTAL	10	-	2	2

* Only 1 baby was in transverse lie.

TRANSVERSE AND OBLIQUE LIE (in labour)

(Continued)

ASSOCIATED CONDITION AND FOETAL LOSS:- (more than 1 associated condition
may be present in 1 case)

Associated conditions	No. of babies	S.B.	N.N.D.	P.N.D.
Multiple pregnancy	1	-	-	-
Placenta praevia	6	-	-	-
A.P.H. of unknown origin	1	-	-	-
Toxaemia	2	-	-	-

Table 15

FACE AND BROW PRESENTATION

Total No. of cases	8	
Incidence	0.12	%
Total No. of babies	8	
Multiple pregnancies	-	
Maternal deaths	-	
S. B.	-	
N. N. D.	2	(25.00 %)
P. N. D.	2	(25.00 %)

SCORED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	5	62.50	-	5	-	-	-
Non-booked	3	37.50	-	3	-	2	2
Total	8	100.00	-	8	-	2	2

MANAGEMENT AND FOETAL LOSS:-

Method of delivery	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	4	-	2	2
C. S.	4	-	-	-
Total	8	-	2	2

ASSOCIATED CONDITIONS AND FOETAL LOSS:-

Associated conditions	No. of babies	S.B.	N.N.D.	P.N.D.
Prematurity	1	-	-	-
Contracted pelvis	-	-	-	-
Toxaemia	-	-	-	-
Multiple congenital malformations of baby	-	-	-	-
Total	1	-	-	-

Table 16

COMPOUND PRESENTATION

Total No. of cases	4
Incidence	0.06 %
Total No. of babies	4
Multiple pregnancies	-
Maternal deaths	-
S.B.	-
N.N.D.	-
P.N.D.	-

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	2	50.00	-	2	-	-	-
Non-booked	2	50.00	-	2	-	-	-
Total	4	100.00	-	4	-	-	-

MANAGEMENT AND FOETAL LOSS:-

Method of delivery	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	1	-	-	-
Low forceps	1	-	-	-
L.S.C.S.	2	-	-	-
Total	4	-	-	-

TABLE 17
PROLAPSE AND PRESENTATION OF CORD

Total No. of cases	10
Incidence	0.15%
Total No. of babies	10
Multiple pregnancies	-
Maternal deaths	-
S.B.	1 (10.00 %)
N.N.D.	-
P.N.D.	1 (10.00 %)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	8	80.00	-	8	1	-	1
non-booked	2	20.00	-	2	-	-	-
TOTAL	10	100.00	-	10	1	-	1

PRESENTATION AND FOETAL LOSS:-

Presentation	No. of babies	S.B.	N.N.D.	P.N.D.
Vertex	4	1	-	1
Breech	6	-	-	-
TOTAL	10	1	-	1

MANAGEMENT AND FOETAL LOSS:-

Method of delivery	No. of babies	S.B.	N.N.D.	P.N.D.
Vacuum extraction	1	1	-	1
Breech extraction	2	-	-	-
Assisted breech delivery	4	-	-	-
L.S.C.S.	3	-	-	-
TOTAL	10	1	-	1

Table 18
HYDRAMNIOS

Total No. of cases	5
Incidence	0.08%
Total No. of babies	5
Multiple pregnancies	1*
Maternal deaths	-
S.B.	2 (40.00%)
N.N.D.	1 (33.33%)
P.N.D.	3 (60.00%)

ASSOCIATED FOETAL ABNORMALITIES:-	No. of cases
Anomalies of central nervous system	1
Anomalies of cardio-vascular system	2
Anomalies of gastro-intestinal tract	1
Others	1

* Only one of a set of twins was complicated by hydramnios.

Table 19
PROLONGED LABOUR

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

Total No. of cases	2
Primiparae	1
Multiparae	1
Incidence	0.03%
Total No. of babies	2
Multiple pregnancies	-
Maternal deaths	-
S.B.	-
N.N.D.	-
P.N.D.	-

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	SB	NND	PND
Booked	1	50.00	-	1	-	-	-
Non-booked	1	50.00	-	1	-	-	-
Total	2	100.00	-	2	-	-	-

AGE GROUP AND FOETAL LOSS:-

Age Group (years)	No. of cases	SB	NND	PND
20 & under	-	-	-	-
21 - 25	-	-	-	-
26 - 30	2	-	-	-
31 - 35	-	-	-	-
36 & over	-	-	-	-
Total	2	-	-	-

METHOD OF DELIVERY AND FOETAL LOSS:-

Method of delivery	No. of babies	SB	NND	PND
Vacuum Extraction	1	-	-	-
Low Forceps	1	-	-	-
Total	2	-	-	-

DURATION OF LABOUR AND OUTCOME:-

Duration of labour (hours)	No. of cases	SB	NND	PND
> 18	1	-	-	-
> 24	1	-	-	-
Total	2	-	-	-

Table 20

LABOUR FOLLOWING PREVIOUS CAESAREAN SECTION

Total No. of cases	136
Incidence	2.04%
Total No. of babies	138
Multiple pregnancies	2
Maternal deaths	-
S.B.	1 (0.72%)
N.N.D.	-
P.N.D.	1 (0.72%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	SB	NND	PND
Booked	135	99.26	-	137	1	-	1
Non-booked	1	0.74	-	1	-	-	-
Total	136	100.00	-	138	1	-	1

METHOD OF DELIVERY:-

	No. of babies	SB	NND	PND
Spontaneous	62	1	-	1
Vacuum extraction	32	-	-	-
Low forceps	13	-	-	-
Assisted breech with forceps for ACH	1	-	-	-
C.S.	30	-	-	-
Total	138	1	-	1

Table 21
INDUCTION OF LABOUR

Total No. of cases	481
Incidence	7.22%
Total No. of babies	492
Multiple pregnancies	11
Maternal deaths	-
S.B.	7 (1.42%)
N.N.D.	3 (0.62%)
P.N.D.	10 (2.03%)
Success rate	87.32%

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	SB	NND	PND
Booked	448	93.14	-	459	7	1	8
Non-booked	33	6.86	-	33	-	2	2
Total	481	100.00	-	492	7	3	10

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

	<u>No. of cases</u>
Toxaemia of pregnancy	269
Postmaturity	74
Prolonged leakage of liquor or rupture of membranes	62
A.P.H. of unknown origin	24
Elderly primipara	7
A.P.H. (Extraplacental causes)	6
Intrauterine death	5
Accidental haemorrhage	3
Congenital malformation of foetus	3
Others	36

INDUCTION OF LABOUR (Continued)

METHOD OF INDUCTION:

Medical	77	(16.01%)
Surgical	185	(38.46%)
Combined medical and surgical	219	(45.54%)

MEDICAL INDUCTION

PARITY:-

	No.of cases	Per-centage	Maternal deaths	SB	NND	PND
Para 0	46	59.74	-	2	1	3
Para 1	12	15.58	-	1	-	1
Para 2 & over	19	24.68	-	3	1	4
TOTAL	77	100.00	-	6	2	8

METHOD OF DELIVERY:-

Spontaneous	43	53.09	-	5	2	7
Vacuum extraction	7	8.64	--	-	-	-
Forceps	1	1.23	-	-	-	-
Assisted breech with forceps for A.C.H.	3	3.71	-	-	-	-
Assisted breech with B.M.T. for A.C.H.	4	4.94	-	-	-	-
Breech Extraction	1	1.23	-	-	-	-
C.S.	22	27.16	-	1	-	1
TOTAL	81*	100.00	-	6	2	8

*Including 4 sets of twins

SURGICAL INDUCTION

PARITY:-

	No.of cases	Per-centage	Maternal deaths	SB	NND	PND
Para 0	92	49.73	-	-	-	-
Para 1	39	21.08	-	-	-	-
Para 2 & over	54	29.19	-	-	-	-
TOTAL	185	100.00	-	-	-	-

INDUCTION OF LABOUR (Continued)

METHOD OF DELIVERY:-

	No. of Babies	Percentage	Maternal deaths	S.B.	N.N.D.	P.N.D.
Spontaneous	108	57.14	-	-	-	-
Vacuum extraction ...	34	17.99	-	-	-	-
Low Forceps	11	5.82	-	-	-	-
Assisted Breech with forceps for A.C.H....	2	1.06	-	-	-	-
Assisted Breech with B.M.T. for A.C.H. ...	2	1.06	-	-	-	-
L.S.C.S.	32	16.93	-	-	-	-
Total	189*	100.00	-	-	-	-

* Including 4 sets of twins

COMBINED MEDICAL AND SURGICAL INDUCTIONS

PARITY:-

	No. of cases	Percentage	Maternal deaths	S.B.	N.N.D.	P.N.D.
Para 0	138	63.01	-	-	-	-
Para 1	32	14.61	-	-	-	-
Para 2 & over	49	22.38	-	1	1	2
Total	219	100.00	-	1	1	2

METHOD OF DELIVERY:-

	No. of Babies	Percentage	Maternal deaths	S.B.	N.N.D.	P.N.D.
Spontaneous	127	57.21	-	-	1	1
Vacuum extraction	47	21.17	-	1	-	1
Low forceps	6	2.70	-	-	-	-
Asst. Breech with B.M.T. for A.C.H.	2	0.90	-	-	-	-
Asst. Breech with forceps for A.C.H.....	1	0.45	-	-	-	-
C.S.	39	17.57	-	-	-	-
Total	222*	100.00	-	1	1	2

* including 3 sets of twins.

TABLE 22
VACUUM EXTRACTION

Total No. of cases	743
Incidence	11.16 %
Total No. of babies	744
Multiple pregnancies	10*
Maternal deaths	1 (0.13%)
S.B.	1 (0.13%)
N.N.D.	1 (0.13%)
P.N.D.	2 (0.27%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	688	92.60	1	689	1	1	2
Non-booked ...	55	7.40	-	55	-	-	-
TOTAL	743	100.00	1	744	1	1	2

PARITY:-

Para 0	594	79.95	1	595	1	1	2
Para 1	85	11.44	-	85	-	-	-
Para 2 & over .	64	8.61	-	64	-	-	-
TOTAL	743	100.00	1	744	1	1	2

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

Prolonged 2nd stage	256	Elderly primigravidae	8
Foetal distress	191	Cardiac disease	8
Toxaemia of pregnancy	80	Both Foetal & Maternal distress	7
P.O.P. or E.O.T.	61	APH of unknown origin	2
Uterine dysfunction	61	Prolapse of cord	1
Previous L.S.C.S.	37	Accidental haemorrhage	1
Maternal distress	36	Prolonged 1st stage (> 24 hrs.).	1
Contracted pelvis	25	Prolonged 1st & 2nd stage	1
Pulmonary tuberculosis	13	Other indications	32

*In only one set of twins, both babies were delivered by Vacuum Extraction.

TABLE 23
FORCEPS DELIVERY

Total No. of cases	277	
Incidence	4.16%	
Total No. of babies	279	
Multiple pregnancies	17*	
Maternal deaths	-	
S.B.	1	(0.36%)
N.N.D.	11	(3.96%)
P.N.D.	12	(4.30%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	246	88.81	-	247	-	9	9
Non-booked	31	11.19	-	32	1	2	3
TOTAL	277	100.00	-	279	1	11	12

PARITY:-

Para 0	173	62.45	-	174	-	8	8
Para 1	65	23.47	-	65	-	2	2
Para 2 & over	39	14.08	-	40	1	1	2
TOTAL	277	100.00	-	279	1	11	12

TYPE OF FORCEPS AND FOETAL LOSS:-

Type of forceps	Foetal loss No. of Babies	Primiparae			Multiparae			
		S.B.	N.N.D.	P.N.D.	No. of Babies	S.B.	N.N.D.	P.N.D.
Low forceps	126	-	8	8	69	1	2	3
Manual rotation & mid forceps	-	-	-	-	1	-	-	-
Asst. Breech with forceps for A.C.H.	48	-	-	-	35	-	1	1
TOTAL	174	-	8	8	105	1	3	4

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

Breech presentation	84	Failed trial of Vacuum Extraction	9
Prematurity	62	Cardiac disease	6
Toxaemia of pregnancy	39	Contracted pelvis	5
Foetal distress	35	Maternal distress	2
Prolonged 2nd stage	29	Both Foetal & Maternal distress	1
P.O.P. or P.O.T.	23	Fulmonary tuberculosis	1
Uterine dysfunction	21	Prolonged 1st stage	1
Previous L.S.C.S.	13	Other indications	13

* Only 2 sets of twins were both delivered by forceps.

Table 24
VERSION IN LABOUR

Total No. of cases	2
Incidence	0.03 %
Total No. of babies	2
Multiple pregnancies	1*
Maternal deaths	-
S.B.	-
N.N.D.	-
P.N.D.	-

INDICATIONS FOR VERSION:-	No. of cases
Transverse lie	1
Breech presentation in twin II	1

* Only twin II had version in labour.

Table 25
CAESAREAN SECTION

Total No. of cases	686	
Incidence	10.30 %	
Total No. of babies	692	
Multiple pregnancies	6	
Maternal deaths	-	
S.B.	5	(0.72 %)
N.N.D.	12	(1.75 %)
P.N.D.	17	(2.46 %)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	637	92.86	-	643	5	9	14
Non-booked	49	7.14	-	49	-	3	3
Total	686	100.00	-	692	5	12	17

AGE GROUP:-

20 & under	52	7.58	-	52	1	-	1
21 - 25	248	36.15	-	249	1	6	7
26 - 30	204	29.74	-	207	2	3	5
31 - 35	91	13.27	-	92	-	1	1
36 - 40	71	10.35	-	72	1	2	3
41 & over	20	2.91	-	20	-	-	-
Total	686	100.00	-	692	5	12	17

PARTY:-

Para 0	332	48.40	-	335	2	6	8
Para 1	190	27.70	-	192	2	1	3
Para 2 & over	164	23.90	-	165	1	5	6
Total	686	100.00	-	692	5	12	17

CAESAREAN SECTION (Continued)

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

Previous L.S.C.S.	211
Contracted pelvis	187
P.O.P. or P.O.T.	96
Foetal distress	94
Failed trial of labour	86
Unfavourable pelvis	75
Breech presentation	68
Toxaemia of pregnancy	56
C-P disproportion	44
Uterine dysfunction	43
Placenta praevia	32
Elderly primigravida	31
Failed induction of labour	27
Failed trial of V.E.	15
Previous C.C.S.	10
Prolapse of cord	8
Cardiac disease	8
Maternal distress	6
Accidental haemorrhage	6
Tumour associated with Pregnancy	4
A.P.H. of unknown origin	2
Face presentation	2
Brow presentation	2
Compound presentation	2
Prolonged 2nd stage	2
Presentation of cord	2
Diabetes mellitus	1
Failed trial of vacuum and forceps	1
Both foetal and maternal distress	1
Other indications	126

CAESAREAN SECTION (Continued)

FETAL COMPLICATIONS:-

	No. of cases
Neonatal jaundice	21
Congenital abnormality	16
Neonatal infection	53
Respiratory Distress Syndrome	5
Birth trauma	11
Prematurity	59
Other neonatal diseases	19

Table 26

RUPTURE OF UTERUS

N i l

Table 27
CONTRACTED PELVIS

Total No. of cases	239
Incidence	3.59 ‰
Total No. of babies	240
Multiple pregnancies	1
Maternal deaths	-
S.B.	2 (0.84%)
N.N.D.	-
P.N.D.	2 (0.84%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	226	94.56	-	227	2	-	2
Non-booked	13	5.44	-	13	-	-	-
Total	239	100.00	-	240	2	-	2

PARITY:-

Para 0	111	46.45	-	111	1	-	1
Para 1	67	28.03	-	68	1	-	1
Para 2 and over	61	25.52	-	61	-	-	-
Total	239	100.00	-	240	2	-	2

METHOD OF DELIVERY & FOETAL LOSS:-

Method of delivery	No. of babies	Primiparae			Multiparae			
		S.B.	N.N.D.	P.N.D.	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	22	-	-	-	35	-	-	-
Vacuum extraction	25	1	-	1	9	-	-	-
Forceps	2	-	-	-	3	1	-	1
Assisted breech with B.M.T. for A.C.H.	-	-	-	-	1	-	-	-
L.S.C.S.	63	-	-	-	80	-	-	-
Total	112	1	-	1	128	1	-	1

Table 28
ANTEPARTUM HAEMORRHAGE

Total No. of cases	163	
Incidence	2.45%	
Total No. of babies	164	
Multiple pregnancies	1	
Maternal deaths	-	
S.B.	3	(1.83%)
V.N.D.	10	(6.21%)
P.N.D.	13	(7.93%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	SB	NND	PND
Booked	131	80.37	-	132	3	4	7
Non-booked	32	19.63	-	32	-	6	6
Total	163	100.00	-	164	3	10	13

PARITY:-

Para 0	76	46.63	-	76	2	2	4
Para 1	33	20.24	-	33	1	3	4
Para 2 & over.	54	33.13	-	55	-	5	5
Total	163	100.00	-	164	3	10	13

TYPE OF A.P.H. :-

Accidental haemorrhage	17	(10.43%)
Placenta praevia	33	(20.24%)
A.P.H. of unknown origin	68	(41.72%)
A.P.H. due to extra-placental causes	45	(27.61%)

Table 29

ACCIDENTAL ANTEPARTUM HAEMORRHAGE

Total No. of cases	17	
Incidence:- Overall	0.26%	
Among A.P.H.	10.43%	
Total No. of babies	17	
Multiple pregnancies	-	
Maternal deaths	-	
S.B.	2	(11.76%)
N.N.D.	2	(13.33%)
P.N.D.	4	(23.53%)

CAUSES:-

Toxaemia	3
Hydramniosis	-
Unknown	14

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	12	70.59	-	12	2	-	2
Non-booked	5	29.41	-	5	-	2	2
Total	17	100.00	-	17	2	2	4

AGE GROUP:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	1	5.88	-	1	1	-	1
21 - 25	6	35.30	-	6	1	1	2
26 - 30	4	23.53	-	4	-	1	1
31 - 35	3	17.65	-	3	-	-	-
36 - 40	1	5.88	-	1	-	-	-
41 & over	2	11.76	-	2	-	-	-
Total	17	100.00	-	17	2	2	4

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	8	47.06	-	8	1	-	1
Para 1	4	23.53	-	4	1	2	3
Para 2 & over	5	29.41	-	5	-	-	-
Total	17	100.00	-	17	2	2	4

ACCIDENTAL ANTEPARTUM HAEMORRHAGE
(Continued)

METHOD OF DELIVERY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	A.N.D.	P.N.D.
Spontaneous	7	41.18	-	7	1	1	2
Vacuum extraction ...	1	5.88	-	1	-	-	-
Low forceps	3	17.65	-	3	-	-	-
Assisted breech delivery with B.M.T. for A.C.H.	1	5.88	-	1	-	1	1
L.S.C.S.	5	29.41	-	5	1	-	1
Total	17	100.00	-	17	2	2	4

Table 30
PLACENTA PRAEVIA

Total No. of cases	33	
Incidence:- Overall	0.50%	
Among A.P.H.	20.24%	
Total No. of babies	33	
Multiple pregnancies	-	
Maternal deaths	-	
S.B.	1	(3.03%)
N.N.D.	5	(15.63%)
P.N.D.	6	(18.18%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	19	57.58	-	19	1	3	4
Non-booked	14	42.42	-	14	-	2	2
Total	33	100.00	-	33	1	5	6

AGE GROUP:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	-	-	-	-	-	-	-
21 - 25	10	30.31	-	10	-	3	3
26 - 30	12	36.36	-	12	1	1	2
31 - 35	6	18.18	-	6	-	-	-
36 - 40	4	12.12	-	4	-	1	1
41 & over	1	3.03	-	1	-	-	-
Total	33	100.00	-	33	1	5	6

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	8	24.24	-	8	1	1	2
Para 1	8	24.24	-	8	-	-	-
Para 2 & over	17	51.52	-	17	-	4	4
Total	33	100.00	-	33	1	5	6

PLACENTA PRAEVIA (Continued)

METHOD OF DELIVERY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
L.S.C.S.	30	90.91	-	30	1	5	6
C.C.S.	2	6.06	-	2	-	-	-
Caesarean Hysterectomy	1	3.03	-	1	-	-	-
Total	33	100.00	-	33	1	5	6

BLOOD LOSS AND FOETAL LOSS:-

Amount (ml.)	No. of babies	S.B.	N.N.D.	P.N.D.
0 - 500 ml.	28	-	5	5
501 - 1,000 ml.	3	-	-	-
1,001 - 1,500 ml.	2	1	-	1
1,501 - 2,000 ml.	-	-	-	-
2,001 - 2,500 ml.	-	-	-	-
2,501 - 3,000 ml.	-	-	-	-
3,001 & over	-	-	-	-
Total	33	1	5	6

Table 31
A.P.H. OF UNKNOWN ORIGIN

Total No. of cases	68	
Incidence:- Overall	1.02%	
Among A.P.H.	41.72%	
Total No. of babies	69	
Multiple pregnancies	1	
Maternal deaths	-	
S.B.	-	
N.N.D.	3	(4.35%)
P.N.D.	3	(4.35%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	59	86.76	-	60	-	1	
Non-booked	9	13.24	-	9	-	2	2
Total	68	100.00	-	69	-	3	3

PARITY:-

Para 0	34	50.00	-	34	-	1	1
Para 1	12	17.65	-	12	-	1	1
Para 2 & over	22	32.35	-	23	-	1	1
Total	68	100.00	-	69	-	3	3

METHOD OF DELIVERY:-

Spontaneous	50	73.53	-	51	-	2	2
Vacuum extraction ..	6	8.83	-	6	-	-	-
Low forceps	4	5.88	-	4	-	1	1
Assisted breech with forceps for A.C.H.	1	1.47	-	1	-	-	-
Assisted breech with B.M.T. for A.C.H.	2	2.94	-	2	-	-	-
L.S.C.S.	5	7.35	-	5	-	-	-
Total	68	100.00	-	69	-	3	3

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

INDICATIONS FOR C.S. :-

Contracted pelvis and failed trial of labour	2
Foetal distress and uterine dysfunction	1
No progress of labour and foetal distress	1
Contracted pelvis, foetal distress and failed V.E.	1

Table 32
A.P.H. DUE TO EXTRA-PLACENTAL CAUSES

Total No. of cases	45
Incidence:- Overall	0.68%
Among A.P.H.	27.61%
Total No. of babies	45
Multiple pregnancies	-
Maternal deaths	-
S.B.	-
N.N.D.	-
P.N.D.	-

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	41	91.11	-	41	-	-	-
Non-booked	4	8.89	-	4	-	-	-
Total	45	100.00	-	45	-	-	-

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	26	57.78	-	26	-	-	-
Para 1	9	20.00	-	9	-	-	-
Para 2 & over	10	22.22	-	10	-	-	-
Total	45	100.00	-	45	-	-	-

CAUSES:-

Cervical erosion	42
Varicocoele of vagina	-
Laceration of introitus	-
Others	3

Table 33

POSTPARTUM HAEMORRHAGE

Total No. of cases	119
Incidence	1.79 %
Total No. of babies	120*
Multiple pregnancies	1
Maternal deaths	-

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.A.D.	P.N.D.
Booked	97	81.51	-	98	1	-	1
Non-booked	22	18.49	-	22	-	-	-
Total	119	100.00	-	120	1	-	1

AGE GROUP:-

20 & under	15	12.61	-	15	-	-	-
21 - 25	47	39.50	-	47	-	-	-
26 - 30	32	26.89	-	33	1	-	1
31 - 35	13	10.92	-	13	-	-	-
36 - 40	12	10.08	-	12	-	-	-
41 & over	-	-	-	-	-	-	-
Total	119	100.00	-	120	1	-	1

PARITY:-

Para 0	46	38.66	-	46	-	-	-
Para 1	33	27.73	-	33	-	-	-
Para 2 & over	40	33.61	-	41	1	-	1
Total	119	100.00	-	120	1	-	1

METHOD OF DELIVERY:-

Spontaneous	81	68.07	-	82	1	-	1
Vacuum extraction	22	18.49	-	22	-	-	-
Low forceps	7	5.88	-	7	-	-	-
Assisted breech with B.M.T. for A.C.H.	2	1.68	-	2	-	-	-
Breech extraction	1	0.84	-	1	-	-	-
Caesarean section	5	4.20	-	5	-	-	-
Caesarean hysterectomy	1	0.84	-	1	-	-	-
Total	119	100.00	-	120	1	-	1

* Including 11 cases of B.B.A. (all babies admitted).

POSTPARTUM HAEMORRHAGE (Continued)

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

	Primiparae	Multiparae	Total
Uterine atony	21	24	45
Retained placenta	4	27	31
Trauma to genital tract	3	3	6
Retained products of conception	8	6	14
Subinvolution	4	5	9
Genital tract infection	2	-	2
Genital tract infection and retained products of conception	-	1	1
Inversion of uterus	1	-	1
Others	3	8	11
Total	46	74	120

AMOUNT OF BLOOD LOSS:-

Millilitres	Primiparae	Multiparae	Total
500 or less	22	33	55
501 - 1,000	23	33	56
1,001 - 1,500	1	3	4
1,501 - 2,000	-	3	3
2,001 - 2,500	-	-	-
2,501 - 3,000	-	1	1
3,001 & over	-	-	-
Total	46	73	119

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

Blood transfusion	26	43	69
Conservative (Ergometrine, Syntocinon, etc.)	16	21	37
Placenta delivered by B.A.T. ..	-	3	3
Manual removal of placenta or cotyledon	3	13	16
Repair of laceration	4	3	7
Evacuation of uterus	14	12	26
Hysterectomy	-	5	5
Others (including combined treatment)	3	9	12
Total	66	109	175

Table 34

MANUAL REMOVAL OF PLACENTA

Total No. of cases	65
Incidence	0.98 %
Total No. of babies	64*
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	50	76.92	-	50	-	-	-
Non-booked	15	23.08	-	14	-	-	-
Total	65	100.00	-	64	-	-	-

AGE GROUP:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	4	6.15	-	4	-	-	-
21 - 25	23	35.38	-	22	-	-	-
26 - 30	22	33.85	-	22	-	-	-
31 - 35	7	10.77	-	7	-	-	-
36 - 40	8	12.31	-	8	-	-	-
41 & over	1	1.54	-	1	-	-	-
Total	65	100.00	-	64	-	-	-

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	14	21.54	-	14	-	-	-
Para 1	24	36.92	-	23	-	-	-
Para 2 & over	27	41.54	-	27	-	-	-
Total	65	100.00	-	64	-	-	-

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

	Primiparae	Multiparae	Total
Adherent placenta	8	43	51
Retained placenta	5	6	11
Broken cord	-	1	1
Others	1	1	2
Total	14	51	65

* Including 11 B.B.A. cases among which 1 B.B.A. baby was not admitted.

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	58	89.23	-	57	-	-	-
Vacuum extraction ..	6	9.23	-	6	-	-	-
Low forceps	1	1.54	-	1	-	-	-
Total	65	100.00	-	64	-	-	-

Postpartum haemorrhage 16 cases (24.62 %)

DURATION OF LABOUR:-

No. of cases

Second stage over 1 hour 36

Table 35

TUMOURS ASSOCIATED WITH PREGNANCY,
LABOUR OR PUERPERIUM

Total No. of cases	29
Incidence	0.44 %
Total No. of babies	30
Multiple pregnancies	1
Maternal deaths	-
S.B.	-
N.N.D.	1 (3.33 %)
P.N.D.	1 (3.33 %)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	26	89.66	-	27	-	-	-
Non-booked	3	10.34	-	3	-	1	1
Total	29	100.00	-	30	-	1	1

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	10	34.48	-	10	-	-	-
Para 1	6	20.69	-	6	-	-	-
Para 2 & over	13	44.83	-	14	-	1	1
Total	29	100.00	-	30	-	1	1

TYPES OF TUMOUR:-

	No. of cases
Tumours of Ovary:	
Ovarian cyst	9
Paraovarian cyst	1
Other benign tumour of ovary	3
Tumours of Uterus (including cervix):	
Uterine fibromyomata	9
Carcinoma of cervix (in-situ)	3
Tumours of Vagina:	
Benign - including gartner duct cyst, inclusion cyst, etc. of vagina	4

METHOD OF DELIVERY:-

Spontaneous	13
Vacuum extraction	3
Assisted breech with B.M.T. for A.C.H.	1
L.S.C.S.	12

Table 36
MULTIPLE PREGNANCY

Number of cases 48

TWIN PREGNANCY

Total No. of cases 48
 Incidence of twin pregnancy 0.72 %
 Total No. of babies 96
 Maternal deaths -
 Binovular 27
 Uniovular 19
 Unknown 2

POSTAL MORTALITY:-

	First Twin	Second Twin	Total	
S.B.	1	-	1	(1.04%)
M.N.D.	-	1	1	(1.05%)
I.N.D.	1	1	2	(2.08%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	M.N.D.	P.N.D.
Booked	43	89.58	-	86	1	1	2
Non-booked	5	10.42	-	10	-	-	-
Total	48	100.00	-	96	1	1	2

AGE GROUP:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	M.N.D.	P.N.D.
20 & under	1	2.08	-	2	-	1	1
21 - 25	21	43.75	-	42	-	-	-
26 - 30	12	25.00	-	24	-	-	-
31 - 35	4	8.33	-	8	-	-	-
36 - 40	8	16.67	-	16	1	-	1
41 & over	2	4.17	-	4	-	-	-
Total	48	100.00	-	96	1	1	2

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	M.N.D.	P.N.D.
Para 0	13	27.08	-	26	-	1	1
Para 1	12	25.00	-	24	-	-	-
Para 2 & over	23	47.92	-	46	1	-	1
Total	48	100.00	-	96	1	1	2

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	50.00	2	-	-
1,901 - 2,000		5	-	-	8	-	-
2,001 - 2,500		20	-	-	19	1	5.26
2,501 - 3,000		20	-	-	18	-	-
3,001 - 3,500		1	-	-	1	-	-
3,501 - 4,000		-	-	-	-	-	-
4,001 & over		-	-	-	-	-	-
Total		48	1	2.08	48	1	2.08

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		26	1	3.85	14	-	-
Vacuum extraction		5	-	-	6	-	-
Low forceps		5	-	-	5	-	-
Assisted breech		6	-	-	17	1	5.88
Breech extraction		-	-	-	-	-	-
C.S.		6	-	-	6	-	-
Total		48	1	2.08	48	1	2.08

PRESENTATION:-

Vertex - Vertex	24
Vertex - Breech	15
Breech - Vertex	5
Breech - Breech	3
Vertex - Transverse	1

MULTIPLE PREGNANCY (Continued)

PRESENTATION AND FOETAL LOSS:-

Presentation	Foetal loss	First Twin			Second Twin		
		No. of babies	Foetal loss	Per-centage	No. of babies	Foetal loss	Per-centage
Vertex		40	1	2.50	29	1	3.45
Breech		8	-	-	18	-	-
Transverse lie		-	-	-	1	-	1
Total		48	1	2.08	48	1	2.08

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

Breech presentation	1
Toxaemia	2
Unfavourable pelvis	1
Failed trial of labour	2

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

Toxaemia	17
Anaemia	20
Prolonged labour	7
Postpartum haemorrhage	1

Table 37
PUERPERAL PYREXIA

Total No. of cases	228
Incidence	3.42 %
CAUSES:- (More than 1 cause may be present in each case)	
Genital in origin	32 (11.43 %)
Urinary in origin	115 (41.07 %)
Combined genital and urinary origin ..	10 (3.57 %)
Others	66 (23.57 %)
Unknown origin	57 (20.36 %)

PUERPERAL PYREXIA (GENITAL)

Total No. of cases	42
Booked	37
Non-booked	5
Primiparae	20
Multiparae	22
Incidence:-	
Overall	0.63 %
Among puerperal pyrexia	18.42 %
Multiple pregnancies	3
Maternal deaths	-

METHOD OF DELIVERY:-

Spontaneous	14
Vacuum extraction	1
Low forceps	1
Assisted breech with B.M.T. for A.C.H.	1
L.S.C.S.	28
Total No. of babies	<u>45</u>

MATERNAL DEATHS

1. Booked case. Serial No.: 2490/73 Age: 26 Gravida: 1 Para: 0

The patient attended the antenatal clinic regularly from the 25th week of maturity and was admitted first at 31 weeks and again at 37 weeks for mild toxæmia of pregnancy (B.P. 130-140/90-100 mm.Hg., oedema ++ and proteinuria nil). On both occasions, the toxæmia quickly subsided with bed rest and diuretics and the patient was discharged home after a few days' stay in hospital.

At 40 weeks, the patient went into spontaneous labour. After a first stage of 12 hours and 45 minutes, a male baby of birth weight 2560 gm. was delivered by vacuum extraction for prolonged second stage (duration 1 hour and 30 minutes). The third stage was uncomplicated and the immediate puerperium was uneventful. She was discharged well on Day 6 after delivery.

On the 23rd day after delivery, the patient was admitted to the University Gynaecological Unit, Queen Mary Hospital with a history of subjective fever and sore-throat following her discharge from Tsan Yuk Hospital. She had been noticed to be dull with impaired auditory ability. On the day before admission, she passed watery stools and also had cough. On admission, she had a fever of 101.8^oF, pulse rate of 120 per minute and blood pressure 160/110 mm.Hg. The abdomen was moderately distended with the liver palpable for two fingers' breadth beneath costal margin and the spleen palpable just below costal margin. Voluntary guarding was present over the abdomen but tenderness and rebound tenderness were not elicited. Pelvic organs were difficult to define and some blood-stained discharge was noted in the vagina. Pelvic infection was tentatively diagnosed and penicillin and streptomycin therapy was commenced. Typhoid fever was also suspected and Widal test was positive at a dilution of 1:400 for both anti-O and anti-H though blood culture was negative. Microscopic examination of stool showed 6-10 pus cells per high power field. Culture of high vaginal swab and mid-stream urine were negative and x-ray of chest was normal. Liver function tests showed normal SGPT (44 R-F units/ml.) but high SGOT (274 R-F units/ml.) and the albumin/globulin ratio was 1.7/3.1. Renal function tests revealed potassium 2.2 mEq/L and sodium 127 mEq/L. The University Medical Unit was consulted the next day and the patient was then given chloromycetin and potassium supplement. ECG, WBC and platelet counts were normal. She was also given one pint of blood for a low haemoglobin level of 8.0 g^m%. Her condition did not

improve much and on the 6th day after admission (i.e. 29th day after delivery), she complained of discomfort and died within a few minutes.

Postmortem examination confirmed the diagnosis of typhoid; findings included enteritis with ulceration of Peyer's patches and mesenteric lymphadenitis, generalised lymph node hyperplasia, hepatosplenomegaly, typhoid nodules in liver, spleen as well as bone marrow, and myocarditis. The cause of death was myocarditis with sudden cardiac arrest.

2. Booked case. Serial No.:4550/73 Age: 35 Gravida: 4 Para: 3

The patient first attended the antenatal clinic at the maturity of 23 weeks. Clinical examination and laboratory investigations revealed nothing abnormal. Her subsequent visits were regular and no abnormality was detected.

At 34 weeks maturity, she came to our hospital with a history of loss of consciousness and generalized convulsion one hour before admission. She had lost consciousness once already in that morning, but no convulsion was noticed. Two weeks ago, the patient was found unconscious on the kitchen floor with incontinence of urine and bleeding from the left occipital region and she was admitted into Queen Mary Hospital for observation and was discharged after three days. There was no previous history of epilepsy.

Examination on admission showed nothing abnormal. She was fully conscious. There was no evidence of injury. Pupils were equal and reactive and no localizing signs could be elicited. She had no hypertension, oedema and proteinuria. The uterus corresponded to maturity; foetus was in cephalic presentation, above brim, and foetal heart was heard and regular. She was kept in hospital for observation.

On the next day, at 4.30 p.m., she had another generalized convulsion. After seizure, she regained full consciousness. There was no headache or other complaints. Blood pressure was 120/80 mm Hg and pulse rate 80 per minute. Pupils were equal and reactive. Cranial nerves were intact and there was no localizing signs. X-rays of skull showed no fracture. She was sedated with luminal.

Three hours later, while talking to her husband, she lost consciousness and convulsed again. This lasted for less than a minute, but she was found to have cardiac arrest after the convulsion. Despite resuscitation for three hours, she died.

Postmortem revealed cardiomegaly with hypertrophy and necrosis of myocardial fibres, particularly involving the left ventricle and the ventricular septum. This was the result of a primary cardiomyopathy of the obstructive type. There was pulmonary oedema and congestion with foci of haemorrhage. The brain was congested, but there was no subarachnoid or intracerebral haemorrhage. Other findings included liver congestion, splenomegaly and multiple gastric erosion. The cause of death was cardiomyopathy.

Table 38
SUMMARY OF FETAL LOSS

Total No. of live births and still births 6,707
Total No. of live births 6,663

	S.B.		N.N.D.		P.N.D.	
	No. of babies	Incidence*	No. of babies	Incidence**	No. of babies	Incidence*
Total No.	39	5.82	58	8.70	94	11.01
Booked	(2)	5.38	(1)	7.04	(3)	11.90
Non-booked	(3)	10.62	(1)	26.83	(3)	37.17
Primiparae	(-)	4.14	(-)	9.00	(1)	17.41
Multiparae	(2)	7.10	(2)	9.48	(5)	15.26

CAUSALS	S.B.		N.N.D.		P.N.D.	
	No. of babies	Percentage	No. of babies	Percentage	No. of babies	Percentage
1. Intrapartum anoxia	6	15.39	1	1.72	2	3
Prolonged second stage	1		1		2	1
Cord accident	4		-		4	1
Intrauterine Infection	1		-		1	1
2. Congenital malformations	8	20.51	17	29.31	16	16
Multiple anomalies	1		8		7	3
Hydrocephalus	1		-		1	1
Anencephaly	2		3		3	4
Congenital heart disease	1		2		1	3
Dextrocardia A.S.D.	1		-		1	1
Ventricular septal defect	1		-		1	1
Malformation of umbilical cord	1		-		1	1
Oesophageal arteria	-		1		1	1
A.S.D.	-		2		1	1
Bilateral congenital polycystic kidney	-		1		1	1
3. Antepartum anoxia	5	12.82	4	6.90	3	6
Cord round neck	1		-		1	1
Toxaemia	1		-		1	1
Accidental haemorrhage	1		-		1	1
Placenta praevia	1		4		3	2
Placental infarct	1		-		1	1

CAUSES	S.B.		N.N.D.		P.N.D.					
	No. of babies	Percentage	No. of babies	Percentage	No. of babies	Booked	Non-booked	Primi-parae	Multi-parae	Percentage
4. Antepartum deaths with no lesion	17	43.59	-	-	17	14	3	6	11	18.08
5. Respiratory distress syndrome	-	-	20	34.49	20	16	4	8	12	21.28
6. Birth trauma	-	-	3	5.17	3	3	-	3	-	3.19
Prematurity	-	-	2	-	2	2	-	2	-	-
Malpresentation (Breech)	-	-	1	-	1	1	-	1	-	-
7. Neonatal infection	-	-	5	8.62	5	5	-	4	1	5.32
Septicaemia	-	-	1	-	1	1	-	-	1	-
Aspiration pneumonia	-	-	1	-	1	1	-	1	-	-
Pneumonia	-	-	2	-	2	2	-	2	-	-
Broncho pneumonia	-	-	1	-	1	1	-	1	-	-
8. Isoimmunization and other haemolytic disease.	2	5.13	1	1.72	3	3	-	-	3	3.19
Hydrops foetalis	2	-	1	-	3	3	-	-	3	-
9. Miscellaneous	1	2.56	7	12.07	7	5	2	2	5	7.45
Prematurity	1	-	2	-	3	2	1	1	2	-
Patent ductus arteriosus	-	-	1	-	-	-	-	-	-	-
Atelectasis of lungs	-	-	2	-	2	2	-	1	1	-
Aspiration of liquor - extensive Rt. adrenal medulla haemorrhage .	-	-	1	-	1	1	-	-	1	-
Cerebral haemorrhage due to prematurity	-	-	1	-	1	-	1	-	1	-

() Number in brackets indicates number of twin babies.

* Incidence per 1,000 live births and still births.

** Incidence per 1,000 live births.

SUMMARY OF FOETAL LOSS (Continued)

BIRTH WEIGHT:-

Foetal loss		S.B.	N.N.D.	P.N.D.
Birth weight (grams)		No. of cases	No. of cases	No. of cases
Under 1,000	.....	2	2	4
1,001 - 1,500	.....	10	16	26
1,501 - 2,000	.....	4	20	23
2,001 - 2,500	.....	7	6	13
2,501 - 3,000	.....	5	6	10
3,001 - 3,500	.....	5	6	10
3,501 - 4,000	.....	4	2	6
4,001 - 4,500	.....	2	-	2
Total	.....	39	58	94

METHOD OF DELIVERY:-

Foetal loss		S.B.	N.N.D.	P.N.D.
Method of delivery		No. of cases	No. of cases	No. of cases
Spontaneous	.....	32	30	60
Vacuum extraction	.....	1	1	1
Low forceps	.....	1	10	11
Assisted breech delivery with B.M.T. for A.C.H.	.....	-	1	1
Assisted breech delivery with forceps for A.C.H.	.....	-	4	4
Caesarean section	.....	5	12	17
Total	.....	39	58	94

Table 39
PREMATURE LIVE-BORN INFANTS

Total No. of cases	551
Booked	470
Non-booked	81
Primiparae	295
Multiparae	256
Multiple pregnancies (one twin)	15
Multiple pregnancies (both twins)	19
Incidence (per 1,000 L.B.)	82.70
N.N.D.	44 (7.99%)

CAUSES OF DEATH:-	No. of cases
Respiratory distress svndrome	18
Multiple congenital anomalies	5
Antepartum anoxia:- Placenta praevia	4
Congenital heart disease	3
Prematurity	3
Anencephaly	3
Birth trauma	2
Atelectasis of lungs	2
Hydrops foetalis	1
Septicaemia	1
Oesophageal atresia	1
Bilateral congenital polycystic kidneys	1

MATURITY (Weeks):-	No. of cases	N.N.D. No. of cases	Loss per 1,000
Under 32 weeks	33	15	454.55
32 - 33 weeks	39	7	179.49
34 - 35 weeks	67	7	104.48
36 - 37 weeks	110	5	45.45
38 - 39 weeks	152	7	46.05
40 - 41 weeks	77	-	-
42 weeks & over	16	-	-
Unknown	57	3	52.63

BIRTH WEIGHT (Grams):-	No. of cases	No. of cases	No. of cases
Under 1,000	5	3	600.00
1,001 - 1,500	31	16	516.13
1,501 - 2,000	92	20	217.39
2,001 - 2,500	423	5	11.82

Table 40
CONGENITAL MALFORMATIONS

Total No. of cases	129	
Booked	111	
Non-booked	18	
Incidence	19.25	per 1,000 L.B. & S.B.

Foetal mortality:-

S.B.	7	(5.43 %)
N.N.D.	19	(15.57 %)
F.N.D.	24	(18.60 %)
Among live births	1.83	%
Among stillbirths	17.95	%
Among premature live births	6.53	%
Among neonatal deaths	32.76	%

TYPE OF MALFORMATION:-

No. of cases

Anomalies of central nervous system	17
Anomalies of limbs	14
Anomalies of lip and palate	29
Anomalies of skin	12
Anomalies of gastro-intestinal tract	9
Anomalies of cardio-vascular system	4
Anomalies of respiratory system	22
Anomalies of genito-urinary tract	12
Multiple anomalies	5
Others	5

Table 41
BIRTH TRAUMA

Total No. of cases	120	
Incidence	17.91	per 1,000 L.B. & S.B.
Foetal result:- S.B.	1	(0.83 %)
N.N.D.	2	(1.68 %)
P.N.D.	3	(2.50 %)

METHOD OF DELIVERY:-

	No. of babies	Percentage
Spontaneous	33	27.50
Vacuum extraction	68	56.66
Low forceps	5	4.17
Assisted breech with B.M.T. for A.C.H.	2	1.67
Assisted breech with forceps for A.C.H.	2	1.67
Breech extraction	-	-
Caesarean section	10	8.33

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

	No. of cases
Cephalhaematoma	101
Cerebral symptoms	3
Depressed fracture of skull	7
Abrasion	7
Combined	1
Fracture of other bones	1
Other types of birth injury	6

Table 42
NEONATAL INFECTIONS

Total No. of cases	499
Incidence (per 1,000 L.B.)	74.89
N.N.D.	21
Neonatal mortality rate	4.21 %

Table 43
NEONATAL JAUNDICE

Total No. of cases	361	
Incidence (per 1,000 L.B.)	54.18	
No. of cases with known cause	108	(29.92%)

Causes	No. of cases	Exchange transfusion	N.N.D.
A.B.O. incompatibility	54	9	-
Glucose-6-phosphate dehydrogenase deficiency	23	2	-
Haemoglobinopathy	1	-	-
Cephalhaematoma	13	-	-
Prematurity	11	5	-
Sepsis	5	1	1
Others	1	-	-
Unknown causes	253	19	1
Total	361	36	1

Table 44
X-RAY DEPARTMENT STATISTICS

Month	Chest	Bones	Abdomen	Pelvimetry	Direct Placen- tography	Barium Swallow	Dental
January	527	9	40	85	9	-	1
February	460	11	27	67	5	-	3
March	587	15	36	83	10	-	2
April	541	6	36	77	8	-	-
May	730	7	66	90	8	-	-
June	679	8	70	90	4	-	-
July	744	13	73	99	3	-	-
August	549	24	58	119	6	-	1
September	621	46	57	113	12	-	-
October	656	44	50	144	9	-	2
November	485	33	44	135	7	-	-
December	492	20	55	123	9	1	-
Total	7,071	236	612	1,225	90	1	9

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