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CLINICAL REPORT
OF THE
TSAN YUK HOSPITAL
FOR THE YEAR
1974



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

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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
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.	Veneral 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

Obstetrician In Charge:

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

Professor of Obstetrics & Gynaecology, University of Hong Kong,
Consultant Obstetrician & Gynaecologist to the Government.

Medical Superintendent:

K.Y. Chan M.B.,B.S.(H.K.)

Obstetricians & Lecturers, University of Hong Kong:

K.H. Lee, M.B.,B.S.(H.K.): M.D.(H.K.): M.R.C.O.G.
(Senior Lecturer)

K.K. Yeung, M.B.,B.S.(H.K.): M.Sc.(Michigan); M.R.C.O.G.
(Senior Lecturer)

S.K. Yip, M.B.,B.S.(H.K.): M.R.C.O.G.

J.C.K. Pang, M.B.,B.Chir.; M.A.Cantab; M.R.C.O.G.

P.M.K. Leung, M.B., B.S.(H.K.); M.R.C.O.G.

L.C. Wong, M.B., B.S.(H.K.); M.R.C.O.G.

E.S.M. Shiu, M.B., B.S.(H.K.)

H.W.L. Ng, M.B., B.S.(H.K.)

C.M. Yim, M.B., B.S.(H.K.)

*H. Abdullah, M.B., B.S.(H.K.); F.R.C.O.G.

*Christina Chow, M.B., B.S.(H.K.); F.R.C.O.G.

*Ho Wai Ken (Miss), Dep. Med. Sun Yat-sen

*Lt.Col.M.B.A. Jackson, M.B., B.S., Lond.; L.R.C.P.; M.R.C.S.;
D.T.M.&H.; M.R.C.O.G.

*W.M. Lee M.B., B.S.(H.K.); M.R.C.O.G.

*A.C. de Barros Lopes, M.B., B.S.(H.K.); M.R.C.O.G.

*Ma Pui Han (Miss), M.B., B.S.(H.K.); M.R.C.O.G.

*K.H. Mok, M.B., B.S.(H.K.); M.R.C.O.G.

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

*K.H. Ng, M.B., B.S.(H.K.); M.R.C.O.G.

*H.N. Soo, M.B., B.S.(H.K.); M.R.C.O.G.

*T.W. Wu, M.D., W.China Union; M.B., B.S.(H.K.)

*Yeung Chak Cheung, M.B., B.S.(H.K.); M.R.C.O.G.

*C.C. Yu, M.B., B.S.(H.K.); M.R.C.O.G.

*W.N. Yu, M.B., B.S.(H.K.); M.R.C.O.G.

*K.F. Luk M.B., B.S.(H.K.); M.R.C.O.G.

*Part-time Lecturer

MEDICAL STAFF OF THE TSAN YUK HOSPITAL
(Continued)

Consultant Anaesthetist:

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

Consultant Dermatologist:

K.O. Wong, M.B., B.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. McFadzean, 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.)

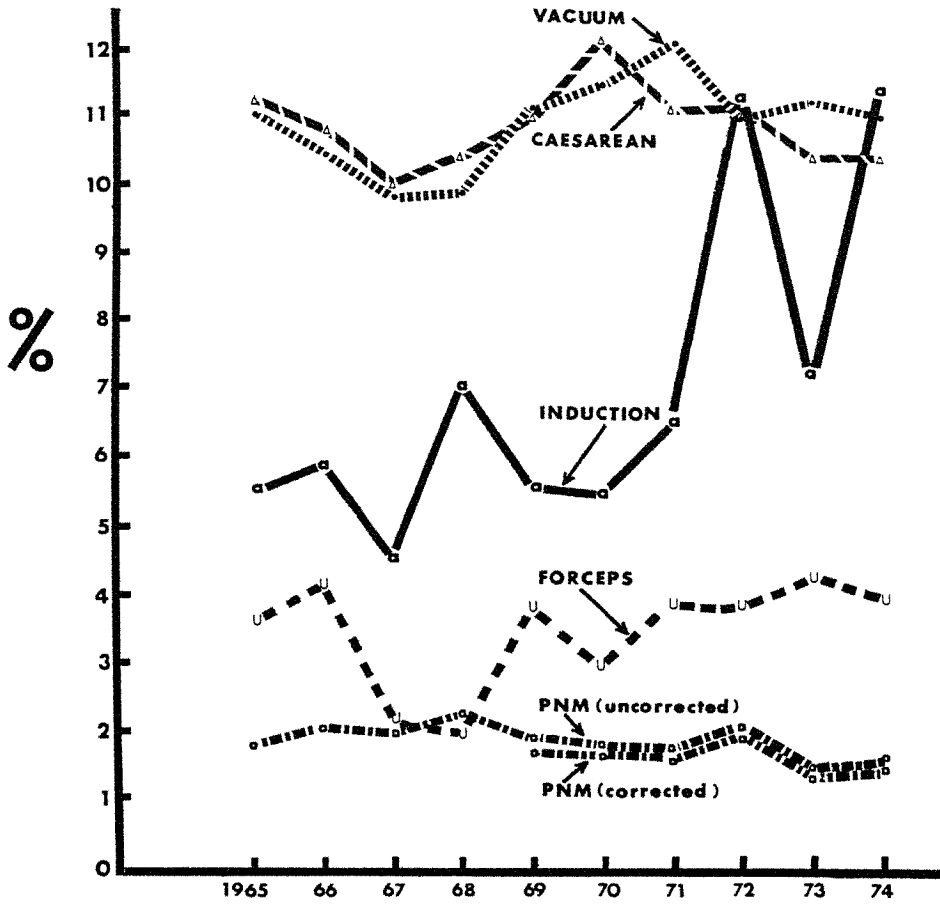
Consultant Psychiatrist:

Prof. K. Singer, M.B., B.S.(H.K.); M.R.C.P.E.; D.P.M.(Eng.)
Ou Ta Wei, George, D.P.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:

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.;
J.P.

INTERFERENCE RATES AND PERINATAL MORTALITY.
(1965 - 1974)



COMPARATIVE STATISTICS

	<u>1965</u>	<u>1966</u>	<u>1967</u>
Adult patients admitted	5,654	5,361	5,469
Patients delivered in hospital	5,505	5,183	5,296
Primiparae	2,287	1,869	2,314
Multiparae	3,218	3,314	2,982
Patients admitted after delivery	59	60	52
Primiparae	7	-	4
Multiparae	52	60	48
Total patients delivered	5,564	5,240	5,347
Abortion	37	45	33
Patients transferred	17	35	23
Patients discharged undelivered	52	76	89
Pre-eclampsia	83	91	66
Eclampsia	4	5	3
Accidental antepartum haemorrhage	56	50	43
Placenta praevia	55	27	42
Postpartum haemorrhage	91	85	78
Contracted pelvis	464	443	354
Vacuum extraction	622	552	530
Vacuum extraction rate per cent	11.05	10.43	9.83
Forceps delivery	199	205	114
Forceps delivery rate per cent	3.54	4.04	2.06
Caesarean section	615	561	534
Caesarean section rate per cent	11.11	10.71	9.94
Maternal deaths	6	7	2
Maternal death rate			
(per 1000 cases admitted)	0.90	1.31	0.37
(per 1000 cases delivered)	1.06	1.34	0.37
Infants born in hospital	5,567	5,241	5,348
Infants born before admission	60	60	52
Total infants born	5,627	5,301	5,400
Infants transferred	6	16	17
Stillbirths (including macerated foetuses)	46	56	52
Stillbirth rate			
(per 1000 live and stillbirths)	8.17	10.56	9.63
Neo-natal deaths	56	58	59
Neo-natal death rate			
(per 1000 live births)	10.03	11.06	11.03
Perinatal deaths	100	109	108
Corrected perinatal mortality (excluding non-booked cases with IUD on admission)	- -	- -	- -
Corrected perinatal mortality rate (per 1000 live and stillbirths) . .	- -	- -	- -

1965 - 1974

<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>
6,047	5,919	6,073	5,891	6,539	6,986	7,420
5,787	5,700	5,851	5,519	6,177	6,563	7,052
2,378	2,478	2,478	2,255	2,902	2,879	3,523
3,409	3,222	3,373	3,264	3,275	3,684	3,529
113	97	118	113	76	95	70
10	5	13	8	11	8	9
103	92	105	105	65	87	61
5,900	5,797	5,969	5,632	6,253	6,658	7,122
38	44	42	35	38	38	27
23	22	24	5	13	21	19
109	78	62	224	248	290	271
132	89	57	60	120	153	253
7	9	8	2	2	5	9
50	37	51	42	31	17	28
49	49	49	39	57	33	36
126	87	103	103	84	119	102
333	350	391	260	241	239	251
580	641	680	678	685	743	768
9.83	11.05	11.39	12.04	10.95	11.16	10.78
115	217	170	212	233	277	266
1.95	3.74	2.85	3.76	3.73	4.16	3.73
609	637	723	620	693	686	745
10.32	10.99	12.11	11.01	11.08	10.30	10.46
-	-	2	-	3	2	1
-	-	0.33	-	0.46	0.29	0.13
-	-	0.17	-	0.48	0.30	0.14
5,854	5,747	5,906	5,563	6,227	6,615	7,107
113	103	118	116	78	91	70
5,967	5,850	6,024	5,679	6,305	6,706	7,177
21	22	-	-	6	6	6
61	59	58	43	60	39	57
10.22	10.11	9.64	7.58	9.53	5.82	7.95
82	56	52	59	68	58	62
13.88	9.69	8.72	10.48	10.91	8.70	8.72
132	109	106	95	126	94	112
- -	96	98	88	123	92	108
- -	16.49	16.28	15.51	19.54	13.73	15.07

STATISTICAL SUMMARY

Adult patients admitted	7420
Patients delivered in hospital	7052
Booked	6754
Primiparae (Twins: 23 sets)	3457
(Triples: - sets)	
Multiparae (Twins: 20 sets)	3297
(Triples: 2 sets)	
Non-booked	298
Primiparae (Twins: - sets)	66
(Triples: - sets)	
Multiparae (Twins: 3 sets)	232
(Triples: - sets)	
Patients admitted after delivery	70
Booked	32
Primiparae (Twins: - sets)	6
(Triples: - sets)	
Multiparae (Twins: - sets)	26
(Triples: - sets)	
Non-booked	38
Primiparae (Twins: - sets)	3
(Triples: - sets)	
Multiparae (Twins: - sets)	35
(Triples: - sets)	
Total No. of patients delivered	7122
Booked	6786
Primiparae (Twins: 28 sets)	3463
(Triples: - sets)	
Multiparae (Twins: 20 sets)	3323
(Triples: 2 sets)	
Non-booked	336
Primiparae (Twins: - sets)	69
(Triples: - sets)	
Multiparae (Twins: 3 sets)	267
(Triples: - sets)	
Patients who aborted	27
Patients discharged undelivered	271
Maternal deaths	1
Maternal death rate (per 1,000 cases admitted)	0.13
(per 1,000 cases delivered)	0.14
Total No. of multiple pregnancies	53 ⁺
Total No. of infants born	7177
Total No. of infants born in hospital	7107
Total No. of infants born before admission	70 [*]
Total No. of live born infants	7109 ^{**}
Booked	6787
Non-booked	322
Stillbirths	
Total	57
Booked	48
Non-booked	9

+ Including 2 sets of triplets.

* Including 11 B.B.A. babies who were not admitted.

** Excluding 11 B.B.A. babies who were not admitted.

STATISTICAL SUMMARY (Continued)

Stillbirth rate (per 1,000 live and stillbirths)	
Total	7.95
Booked	7.02
Non-booked	27.19
Neonatal deaths	
Total	62
Booked	56
Non-booked	6
Neonatal death rate (per 1,000 live births)	
Total	8.72
Booked	8.25
Non-booked	18.63
Perinatal deaths	
Total	112
Booked	98
Non-booked	14
Perinatal death rate (per 1,000 live and stillbirths)	
Total	15.63
Booked	14.34
Non-booked	42.30
* Corrected perinatal mortality (Excluding non-booked cases with I.U.D. on admission)	
Total	108
Booked	98
Non-booked	10
Corrected perinatal mortality rate (per 1,000 live and stillbirths)	
Total	15.07
Booked	14.34
Non-booked	30.21
Antenatal Clinic:-	
Total visits	48,737
New patients	7,249
Re-attendances	41,488
Postnatal Clinic:-	
Total visits	5,665
New patients	5,148
Re-attendances	517

TABLE 1

ASSOCIATED DISEASES

ANAEMIA

Total No. of cases	2,012
Booked	1,943
Non-booked	69
Primiparae	982
Multiparae	1,030
Incidence	28.25 %

TYPE OF ANAEMIA :-

1. Iron deficiency anaemia	986
2. Thalassaemia major	4
3. Thalassaemia minor	39
4. Combined iron deficiency and Thalassaemia	2
5. Other haemoglobinopathy	8
6. Other haemolytic anaemia	-
7. Others	26
8. Unknown	947

URINARY TRACT INFECTIONS (Antenatal)

Total No. of cases	175
Incidence	2.46 %

AGE GROUP:-

	No. of cases	Per-centage	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	23	13.14	23	-	1	1
21 - 25	80	45.72	80	1	-	1
26 - 30	45	25.72	45	-	-	-
31 - 35	17	9.71	17	-	-	-
36 - 40	9	5.14	9	1	-	1
41 & over	1	0.57	1	-	-	-
Total	175	100.00	175	2	1	3

PARITY:-

Para 0	107	61.14	107	1	1	2
Para 1	35	20.00	35	-	-	-
Para 2 & over	33	18.86	33	1	-	1
Total	175	100.00	175	2	1	3

TABLE 1 (Continued)
PULMONARY TUBERCULOSIS

	Active		
Total No. of cases	40		
Booked	39		
Non-booked	1		
Primiparae	18		
Multiparae	22		
Incidence	0.56 %		%
S.B.		1 (2.5 %)	%
N.N.D.		1 (2.6 %)	%
P.N.D.		2 (5.0 %)	%

THYROTOXICOSIS

No. of cases	12
Booked	12
Non-booked	-
Primiparae	5
Multiparae	7
Incidence	0.17 %
Maternal deaths	-
S. B.	-
N. N. D.	-
P. N. D.	-

POTENTIAL DIABETES

No. of cases Nil

TABLE 1 (Continued)

DIABETES MELLITUS

Total No. of cases	9
Booked	9
Non-booked	-
Primiparae	4
Multiparae	5
Incidence	0.13 %
Maternal deaths	-
S. B.	-
N. N. D.	-
P. N. D.	-

AGE GROUP:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	-	-	-	-	-	-	-
21 - 25	2	22.22	-	2	-	-	-
26 - 30	5	55.56	-	5	-	-	-
31 - 35	1	11.11	-	1	-	-	-
36 - 40	1	11.11	-	1	-	-	-
41 & over	-	-	-	-	-	-	-
Total	9	100.00	-	9	-	-	-

PARITY:-

Para 0	4	44.45	-	4	-	-	-
Para 1	2	22.22	-	2	-	-	-
Para 2 & over	3	33.33	-	3	-	-	-
Total	9	100.00	-	9	-	-	-

METHOD OF DELIVERY:-

Spontaneous	4	44.44	-	4	-	-	-
L.S.C.S.	5	55.56	-	5	-	-	-
Total	9	100.00	-	9	-	-	-

TABLE 2

ABORTION

Total No. of cases	27	
Booked	20	
Non-booked	7	
Primiparae	10	
Multiparae	17	
Incidence	0.38	%
Maternal deaths	-	

Type of abortion:-

Inevitable	1
Missed	2
Habitual	-
Incomplete	3
Complete	21
Septic	-
Therapeutic	-
Others	-

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

TABLE 3

CARDIAC DISEASE

Total No. of cases	71
Booked	70
Non-booked	1
Primiparae	36
Multiparae	35
Incidence	1.00 %
Total No. of babies	71
Multiple pregnancies	-
Maternal deaths	-
S. B.	-
N. N. D.	-
P. N. D.	-

ANATOMICAL LESIONS:-

A. Rheumatic heart disease	58
(a) Mitral lesion	55
(b) Mitral and aortic lesions	3
(c) Aortic lesion	-
B. Congenital heart disease	5
C. Others	8

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	7.04	-	5	-	-	-
21 - 25	32	45.07	-	32	-	-	-
26 - 30	23	32.40	-	23	-	-	-
31 - 35	6	8.45	-	6	-	-	-
36 - 40	5	7.04	-	5	-	-	-
41 & over	-	-	-	-	-	-	-
Total	71	100.00	-	71	-	-	-

PARITY:-

Para 0	36	50.70	-	36	-	-	-
Para 1	16	22.54	-	16	-	-	-
Para 2 & over ...	19	26.76	-	19	-	-	-
Total	71	100.00	-	71	-	-	-

METHOD OF DELIVERY:-

Spontaneous	38	53.52	-	38	-	-	-
Vacuum extraction..	16	22.54	-	16	-	-	-
Forceps	10	14.08	-	10	-	-	-
Assisted breech ...	2	2.82	-	2	-	-	-
L.S.C.S.	5	7.04	-	5	-	-	-
Total	71	100.00	-	71	-	-	-

FUNCTIONAL GRADING:-

	No. of cases
Class I	40
Class II	29
Class III	1
Class IV	1
Deterioration during pregnancy	1
Post-valvotomy	2

TABLE 4

TOXAEMIA OF PREGNANCY

Total No. of cases	963	
Incidence	13.52%	
Total No. of babies	987	
Multiple pregnancies	22*	
Maternal deaths	-	
S.B.	9	(0.91 %)
N.N.D.	9	(0.92 %)
P.N.D.	16	(1.62 %)

* Including 2 sets of triplets

BOOKED AND NON-BOOKED:-

	No. of cases	Percentage	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	925	96.05	949	8	9	15
Non-booked	38	3.95	38	1	-	1
Total	963	100.00	987	9	9	16

Type of Toxaemia:-	No. of cases	Percentage among toxaemia
Unclassified toxaemia 'A'	603	62.62
Pre-eclampsia	253	26.27
Unclassified toxaemia 'B'	48	4.98
Recurrent toxaemia	38	3.95
Essential hypertension	12	1.25
Eclampsia	9	0.93

Defination:-

Pre-eclampsia - B.P. over 135/45 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	253		
Mild	238		
Severe	15		
Incidence:- Overall	3.55	%	
Among toxæmia	26.27	%	
Total No. of babies	266		
Multiple pregnancies	12*		
Maternal deaths	-		
S. B.	2	(0.75	%)
N. N. D.	4	(1.52	%)
P. N. D.	6	(2.26	%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	251	99.21	-	264	2	4	6
Non-booked	2	0.79	-	2	-	-	-
Total	253	100.00	-	266	2	4	6

AGE GROUP:-

AGE GROUP	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	24	9.49	-	24	-	1	1
21 - 25	118	46.64	-	127	2	1	3
26 - 30	67	26.48	-	69	-	1	1
31 - 35	27	10.67	-	29	-	1	1
36 - 40	13	5.14	-	13	-	-	-
41 & over	4	1.58	-	4	-	-	-
Total	253	100.00	-	266	2	4	6

*Including 1 set of triplets.

PRE-ECLAMPSIA (Continued)

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	186	73.52	-	195	1	4	5
Para 1	42	16.60	-	45	1	-	1
Para 2 & over	25	9.88	-	26	-	-	-
Total	253	100.00	-	266	2	4	6

METHOD OF DELIVERY:-

Spontaneous	110	43.48	-	113	1	2	3
Vacuum extraction ..	58	22.92	-	59	-	-	-
Forceps	18	7.11	-	22	-	-	-
Breech	7	2.77	-	10	-	1	1
Caesarean section ..	60	23.72	-	62	1	1	2
Total	253	100.00	-	266	2	4	6

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 No. of babies	Mild		Severe				
		No. of babies	S.B.	N.N.D.	S.B.	N.N.D.	P.N.D.	P.N.D.
PRIMITIVARAE								
(A) Spontaneous labour	100	93	-	2	2	-	-	-
(1) Spont. Vertex delivery	40	39	-	1	1	-	-	-
(2) Spont. Breech delivery	-	-	-	-	-	-	-	-
(3) Vacuum Extraction	26	23	-	-	-	-	-	-
(4) Forceps	8	8	-	-	-	-	-	-
(5) Assisted Breech delivery	2	2	-	1	1	-	-	-
(6) C. S.	24	21	-	-	-	-	-	-
(B) Induced labour	95	90	1	2	3	5	-	-
(1) Spont. Vertex delivery	27	27	1	1	2	-	-	-
(2) Spont. Breech delivery	-	-	-	-	-	-	-	-
(3) Vacuum Extraction	30	27	-	-	-	3	-	-
(4) Forceps	7	6	-	-	-	1	-	-
(5) Assisted Breech delivery	5	5	-	-	-	-	-	-
(6) C. S.	26	25	-	1	1	1	-	-
Total	195	183	1	4	5	12	-	-
MULTIPARAE								
(A) Spontaneous labour	38	35	-	-	-	3	1	1
(1) Spont. Vertex delivery	22	21	-	-	-	1	-	-
(2) Spont. Breech delivery	-	-	-	-	-	-	-	-
(3) Vacuum Extraction	1	1	-	-	-	-	-	-
(4) Forceps	3	3	-	-	-	-	-	-
(5) Assisted Breech delivery	3	3	-	-	-	-	-	-
(6) C. S.	9	7	-	-	-	2	1	1
(B) Induced labour	33	33	-	-	-	-	-	-
(1) Spont. Vertex delivery	24	24	-	-	-	-	-	-
(2) Spont. Breech delivery	-	-	-	-	-	-	-	-
(3) Vacuum Extraction	2	2	-	-	-	-	-	-
(4) Forceps	4	4	-	-	-	-	-	-
(5) Assisted Breech delivery	-	-	-	-	-	-	-	-
(6) C. S.	3	3	-	-	-	-	-	-
Total	71	68	-	-	-	3	1	1
GRAND TOTAL	266	251	1	4	5	15	1	1

WITH WEIGHT & FOETAL LOSS:-

	Birth weight (grams)	No. of babies	S.B.	N.N.D.	P.N.D.
(A)	Spontaneous labour	138	1	2	3
	Under 1,500	7	-	1	1
	1,501 - 2,000	6	-	-	-
	2,001 - 2,500	22	-	1	1
	2,501 - 3,000	50	-	-	-
	3,001 - 3,500	45	1	-	1
	3,501 - 4,000	7	-	-	-
	4,001 & over	1	-	-	-
(B)	Induced labour	128	1	2	3
	Under 1,500	-	-	-	-
	1,501 - 2,000	3	-	-	-
	2,001 - 2,500	13	-	1	1
	2,501 - 3,000	60	1	1	2
	3,001 - 3,500	40	-	-	-
	3,501 - 4,000	9	-	-	-
	4,001 & over	3	-	-	-
	Total	266	2	4	6

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

	No. of cases
Toxaemia	60
Malpresentations: P.O.P.	16
Breech	10
Transverse lie	1
Compound	1
Uterine dysfunction	16
Foetal distress	16
Contracted pelvis	13
Failed induction	10
Prolonged 2nd stage	8
Previous L.S.C.S.	8
Failed trial of labour	7
Elderly primigravidae	7
Maternal distress	5
Placenta praevia	3
Unfavourable pelvis	3
C-P disproportion	2
Erolapse of cord	1
Accidental Haemorrhage	1
APH of unknown origin	1
Failed trial of Vacuum Extraction	1
Diabetes Mellitus	1
Other indications	21

Table 6
ECLAMPSIA

Total No. of cases	9
Incidence:- Overall	0.13 %
Among toxæmia	0.93 %
Total No. of babies	9
Multiple pregnancies	-
Maternal deaths	-
S. B.	1 (11.11%)
N. N. D.	- (- %)
P. N. D.	1 (11.11%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	6	66.67	-	6	-	-	-
Non-booked	3	33.33	-	3	1	-	1
Total	9	100.00	-	9	1	-	1

AGE GROUP:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	3	33.33	-	3	-	-	-
21 - 25	3	33.33	-	3	-	-	-
26 - 30	3	33.34	-	3	1	-	1
31 - 35	-	-	-	-	-	-	-
36 - 40	-	-	-	-	-	-	-
41 & over	-	-	-	-	-	-	-
Total	9	100.00	-	9	1	-	1

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	7	77.78	-	7	-	-	-
Para 1	2	22.22	-	2	1	-	1
Para 2 & over	-	-	-	-	-	-	-
Total	9	100.00	-	9	1	-	1

METHOD OF DELIVERY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	1	11.11	-	1	1	-	1
Vacuum extraction	2	22.22	-	2	-	-	-
Low forceps	2	22.22	-	2	-	-	-
Caesarean section	4	44.45	-	4	-	-	-
Total	9	100.00	-	9	1	-	1

Table 7

UNCLASSIFIED TOXAEMIA 'A'

Total No. of cases	603	
Incidence:- Overall	8.47 %	
Among toxæmia	62.62 %	
Total No. of babies	614	
Multiple pregnancies	10*	
Maternal deaths	-	
S. B.	6	(0.98 %)
N. N. D.	5	(0.82 %)
P. N. D.	9	(1.47 %)

* Including 1 set of triplets

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	575	95.36	-	586	6	5	9
Non-booked	28	4.64	-	28	-	-	-
Total	603	100.00	-	614	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	89	14.76	-	90	-	1	-
21 - 25	211	34.99	-	215	2	2	4
26 - 30	165	27.36	-	169	-	2	1
31 - 35	65	10.78	-	66	-	-	-
36 - 40	55	9.12	-	56	3	-	3
41 & over	18	2.99	-	18	1	-	1
Total	603	100.00	-	614	6	5	9

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	347	57.55	-	352	3	5	6
Para 1	95	15.75	-	101	2	-	2
Para 2 & over ...	161	26.70	-	161	1	-	1
Total	603	100.00	-	614	6	5	9

UNCLASSIFIED TOXAEMIA 'A' (Continued)

METHOD OF DELIVERY AND FOETAL LOSS:-

METHOD OF DELIVERY	Booked				Non-booked			
	No. of babies	S.B.	N.N.D.	P.N.D.	No. of babies	S.B.	N.N.D.	P.N.D.
PRIMIPARAE								
(A) Spontaneous labour	184	1	3	2	7	-	-	-
(1) Spont. vertex delivery ...	92	-	-	-	2	-	-	-
(2) Spont. breech delivery ...	-	-	-	-	-	-	-	-
(3) Vacuum extraction	43	-	-	-	3	-	-	-
(4) Forceps	16	-	1	-	1	-	-	-
(5) Breech delivery	9	-	1	-	1	-	-	-
(6) C. S.	24	1	1	2	-	-	-	-
(B) Induced labour	159	2	2	4	2	-	-	-
(1) Spont. vertex delivery ...	63	1	1	2	1	-	-	-
(2) Spont. breech delivery ...	-	-	-	-	-	-	-	-
(3) Vacuum extraction	44	-	-	-	1	-	-	-
(4) Forceps	9	-	1	1	-	-	-	-
(5) Breech delivery	3	-	-	-	-	-	-	-
(6) C. S.	40	1	-	1	-	-	-	-
Total	343	3	5	6	9	-	-	-
MULTIPARAE								
(A) Spontaneous labour	139	2	-	2	11	-	-	-
(1) Spont. vertex delivery ...	97	1	-	1	10	-	-	-
(2) Spont. breech delivery ...	-	-	-	-	-	-	-	-
(3) Vacuum extraction	8	-	-	-	-	-	-	-
(4) Forceps	6	-	-	-	-	-	-	-
(5) Breech delivery	7	-	-	-	-	-	-	-
(6) C. S.	21	1	-	1	1	-	-	-
(B) Induced labour	104	1	-	1	8	-	-	-
(1) Spont. vertex delivery ...	84	1	-	1	6	-	-	-
(2) Spont. breech delivery ...	-	-	-	-	-	-	-	-
(3) Vacuum extraction	6	-	-	-	1	-	-	-
(4) Forceps	4	-	-	-	-	-	-	-
(5) Breech delivery	1	-	-	-	-	-	-	-
(6) C. S.	9	-	-	-	1	-	-	-
Total	243	3	-	3	19	-	-	-
GRAND TOTAL	586	6	5	9	28	-	-	-

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	341	3	3	4
Under 1,500	3	1	-	1
1,501 - 2,000	21	-	1	1
2,001 - 2,500	44	2	1	2
2,501 - 3,000	134	-	-	-
3,001 - 3,500	102	-	1	-
3,501 - 4,000	32	-	-	-
4,001 & over	5	-	-	-
(B) Induced labour	273	3	2	5
Under 1,500	-	-	-	-
1,501 - 2,000	-	-	-	-
2,001 - 2,500	27	-	1	1
2,501 - 3,000	98	1	1	2
3,001 - 3,500	105	2	-	2
3,501 - 4,000	40	-	-	-
4,001 & over	3	-	-	-
Total	614	6	5	9

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

	No. of cases
Toxaemia	96
Foetal distress	46
Contracted pelvis	28
Previous C.S.	22
Malpositions: P.O.P. or P.O.T.	18
Failed induction	17
Malpresentations: Breech	17
Transverse lie	2
Face	1
Brow	1
Failed trial of labour	13
Uterine inertia	10
Maternal distress	7
Unfavourable pelvis	6
Elderly primigravida	6
C-F disproportion	4
Cardiac disease	4
Failed trial of Vacuum Extraction	4
Diabetes mellitus	3
Placenta praevia	2
Prolapse of cord	1
A.P.H. of unknown origin	1
Other indications	22

Table 8

UNCLASSIFIED TOXAEMIA 'B'

Total No. of cases	48	
Incidence:- Overall	0.67	%
Among toxæmia	4.98	%
Total No. of babies	48	
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	46	95.83	-	46	-	-	-
Non-booked	2	4.17	-	2	-	-	-
Total	48	100.00	-	48	-	-	-

AGE GROUP:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	5	10.42	-	5	-	-	-
21 - 25	8	16.67	-	8	-	-	-
26 - 30	14	29.16	-	14	-	-	-
31 - 35	5	10.42	-	5	-	-	-
36 - 40	11	22.91	-	11	-	-	-
41 & over	5	10.42	-	5	-	-	-
Total	48	100.00	-	48	-	-	-

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	16	33.33	-	16	-	-	-
Para 1	7	14.58	-	7	-	-	-
Para 2 & over	25	52.09	-	25	-	-	-
Total	48	100.00	-	48	-	-	-

METHOD OF DELIVERY AND FETAL 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	11	-	-	-	-	-	-	-
(1) Spont. Vertex delivery ...	5	-	-	-	-	-	-	-
(2) Spont. Breech delivery ...	-	-	-	-	-	-	-	-
(3) Vacuum Extraction	4	-	-	-	-	-	-	-
(4) Forceps	-	-	-	-	-	-	-	-
(5) Breech delivery	-	-	-	-	-	-	-	-
(6) C. S.	2	-	-	-	-	-	-	-
(B) Induced labour	5	-	-	-	-	-	-	-
(1) Spont. Vertex delivery ...	3	-	-	-	-	-	-	-
(2) Spont. Breech delivery ...	-	-	-	-	-	-	-	-
(3) Vacuum Extraction	1	-	-	-	-	-	-	-
(4) Forceps	1	-	-	-	-	-	-	-
(5) Breech delivery	-	-	-	-	-	-	-	-
(6) C. S.	-	-	-	-	-	-	-	-
Total	16	-	-	-	-	-	-	-
MULTIPARAE								
(A) Spontaneous labour	25	-	-	-	-	-	-	-
(1) Spont. Vertex delivery ...	18	-	-	-	-	-	-	-
(2) Spont. Breech delivery ...	-	-	-	-	-	-	-	-
(3) Vacuum Extraction	-	-	-	-	-	-	-	-
(4) Forceps	-	-	-	-	-	-	-	-
(5) Breech delivery	-	-	-	-	-	-	-	-
(6) C. S.	7	-	-	-	-	-	-	-
(B) Induced labour	5	-	-	-	2	-	-	-
(1) Spont. Vertex delivery ...	4	-	-	-	1	-	-	-
(2) Spont. Breech delivery ...	-	-	-	-	-	-	-	-
(3) Vacuum Extraction	-	-	-	-	-	-	-	-
(4) Forceps	-	-	-	-	-	-	-	-
(5) Breech delivery	-	-	-	-	-	-	-	-
(6) C. S.	1	-	-	-	1	-	-	-
Total	30	-	-	-	2	-	-	-
GRAND TOTAL	46	-	-	-	2	-	-	-

UNCLASSIFIED TOXAEMIA 'B' (Continued)

BIRTH -EIGHT AND FOETAL LOSS:-

	Birth weight (grams)	No. of babies	S.B.	N.N.D.	P.N.D.
(A) Spontaneous labour	36	-	-	-
Under 1,500	1	-	-	-
1,501 - 2,000	2	-	-	-
2,001 - 2,500	5	-	-	-
2,501 - 3,000	16	-	-	-
3,001 - 3,500	9	-	-	-
3,501 - 4,000	2	-	-	-
4,001 & over	1	-	-	-
(B) Induced labour	12	-	-	-
Under 1,500	-	-	-	-
1,501 - 2,000	-	-	-	-
2,001 - 2,500	2	-	-	-
2,501 - 3,000	7	-	-	-
3,001 - 3,500	3	-	-	-
3,501 - 4,000	-	-	-	-
4,001 & over	-	-	-	-
Total	48	-	-	-

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

	No. of cases
Toxaemia	11
C-P disproportion	3
Previous C.S.	3
Foetal distress	2
Malpresentation: P.O.P./P.O.T.	2
Breech	2
Transverse lie	2
Maternal distress	1
Unfavourable pelvis	1
Placenta praevia	1
Accidental haemorrhage	1
Failed trial of labour	1

Table 9

RECURRENT TOXAEMIA

Total No. of cases	38	
Booked	36	
Non-booked	2	
Primiparae	4	
Multiparae	34	
Incidence:- Overall	0.53	%
Among toxemia	3.95	%
Total No. of babies	38	
Multiple pregnancies	-	
Maternal deaths	-	
S. B.	-	
N. N. D.	-	
P. N. D.	-	

Table 10
ESSENTIAL HYPERTENSION

Total No. of cases	12	
Booked	11	
Non-booked	1	
Primiparae	3	
Multiparae	9	
Incidence:- Overall	0.17	%
Among toxemia	1.25	%
Total No. of babies	12	
Multiple pregnancies	-	
Maternal deaths	-	
S. B.	-	
N. M. D.	-	
P. N. D.	-	

Table 11
CHRONIC NEPHRITIS

N I L

Table 12

PERSISTENT POSTERIOR POSITION OF THE OCCIPUT
AND TRANSVERSE ARREST

Total No. of cases	325		
Incidence	4.56	%	
Total No. of babies	325		
Multiple pregnancies	4*		
Maternal deaths	-		
S. B.	1	(0.31	%)
N. N. D.	5	(1.54	%)
P. N. D.	6	(1.85	%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	314	96.62	-	314	1	5	6
Non-booked	11	3.38	-	11	-	-	-
Total	325	100.00	-	325	1	5	6

SUMMARY OF LABOUR:-

	No. of cases
Labour lasting more than 24 hours	-

METHOD OF DELIVERY:-

Spontaneous delivery (face to pubis)	21
Vacuum extraction	87
Forceps	14
Caesarean section	203
TOTAL	325

*Only 4 babies out of 4 pairs of twins were P.O.T. or P.O.P.

Table 13

BREECH DELIVERIES

Total No. of cases	251
Booked	232
Non-booked	19
Primiparae	131
Multiparae	120
Single pregnancies	232
Multiple pregnancies	19*
Maternal deaths	-
Total No. of babies	254 ⁺ **
Incidence	3.52%
Caesarean section	99
Caesarean section rate	39.44%

* Including 2 sets of triplets.

** In one set of triplets, only one fetus was in breech presentation; in the other set, two fetuses were in breech presentation.

+ Only in 2 sets of twins, both fetuses were in breech presentation.

BREECH DELIVERIES (Continued)

UNCOMPLICATED BREECH DELIVERIES

Total No. of cases	124	
Maternal deaths	-	
S. B.	-	(- %)
N. N. D.	1	(0.81 %)
P. N. D.	1	(0.81 %)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	110	88.71	-	110	-	1	1
Non-booked	14	11.29	-	14	-	-	-
Total	124	100.00	-	124	-	1	1

METHOD OF DELIVERY, BIRTH WEIGHT AND FOETAL 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.
Spontaneous		1	-	-	-	-	-	-
Assisted breech with forceps for A.C.H. ...		45	-	-	-	1	-	-
Assisted breech with B.M.T. for A.C.H. ...		35	-	1	1	2	-	-
C. S.		28	-	-	-	12	-	-
Total		109	-	1	1	15	-	-

Caesarean section rate 32.26%

BREECH DELIVERIES (Continued)

COMPLICATED BREECH DELIVERIES

Total No. of cases	127		
Multiple pregnancies	19*		
Total No. of babies	130 ⁺ **		
Maternal deaths	-		
S. B.	7	(5.38 %)	
N. N. D.	7	(5.69 %)	
P. N. D.	13	(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	122	96.06	-	125	6	6	11
Non-booked	5	3.94	-	5	1	1	2
Total	127	100.00	-	130	7	7	13

METHOD OF DELIVERY AND FOETAL RESULT:-

	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	5	4	1	5
Assisted breech with forceps for A.C.H.	28	-	2	1
Assisted breech with B.M.T. for A.C.H.	38	2	3	5
Caesarean Section	59	1	1	2
Total	130	7	7	13

Caesarean section rate 46.45%

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

	No. of cases
Prematurity	61
Toxaemia	37
Multiple pregnancy	19
Contracted pelvis	15
A.P.H. of unknown origin	7
Prolapse of cord	3
Multiple abnormality of babies	1

* Including 2 sets of triplets.

** In one set of triplets, only one fetus was in breech presentation; in the other set, two fetuses were in breech presentation.

+ Only in 2 sets of twins, both fetuses were in breech presentation.

Table 14

TRANSVERSE AND OBLIQUE LIE

(in labour)

Total No. of cases	14	
Incidence	0.20	%
Total No. of babies	14	
Multiple pregnancies	2*	
Maternal deaths	-	
S. B.	1	(7.14 %)
N. N. D.	2	(15.38 %)
P. N. D.	3	(21.43 %)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	12	85.71	-	12	1	2	3
Non-booked	2	14.29	-	2	-	-	-
Total	14	100.00	-	14	1	2	3

MANAGEMENT AND FOETAL LOSS:-

Method of delivery	No. of babies	S.B.	N.N.D.	P.N.D.
L.S.C.S.	14	1	2	3
Total	14	1	2	3

*Twin pregnancy; in both cases, only one of the twins 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.
Toxaemia	6	1	1	2
Placenta praevia	4	-	-	-
Multiple pregnancy	2	-	-	-
Prematurity	1	-	1	1
C-P disproportion	1	-	-	-
Erolapse of cord	1	-	-	-

Table 15
FACE AND BROW PRESENTATION

Total No. of cases	7	
Incidence	0.10	%
Total No. of babies	7	
Multiple pregnancies	1*	
Maternal deaths	-	
S. B.	1	(14.29 %)
N. N. D.	-	(- %)
P. N. D.	1	(14.29 %)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	7	100.00	-	7	1	-	1
Non-booked	-	-	-	-	-	-	-
Total	7	100.00	-	7	1	-	1

MANAGEMENT AND FOETAL LOSS:-

Method of delivery	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	1	1	-	1
Vacuum Extraction	1	-	-	-
Low Forceps	1	-	-	-
Caesarean Section	4	-	-	-
Total	7	1	-	1

ASSOCIATED CONDITIONS AND FOETAL LOSS:-

Associated conditions	No. of babies	S.B.	N.N.D.	P.N.D.
Contracted pelvis	2	-	-	-
Toxaemia	2	-	-	-
Prematurity	1	-	-	-
Multiple congenital malformations of baby	1	1	-	1
Prolapse of cord	1	-	-	-
Total	7	1	-	1

* Only one baby out of a set of triplets had face and brow presentation.

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	4	100.00	-	4	-	-	-
Non-booked	-	-	-	-	-	-	-
Total	4	100.00	-	4	-	-	-

MANAGEMENT AND FOETAL LOSS:-

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

PROLAPSE AND PRESENTATION OF CORD

Total No. of cases	14
Incidence	0.20 %
Total No. of babies	15
Multiple pregnancies	1
Maternal deaths	-
S. B.	- (%)
N. N. D.	2 (13.33 %)
P. N. D.	2 (13.33 %)

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	-	13	-	1	1
Non-booked	1	7.14	-	2	-	1	1
Total	14	100.00	-	15	-	2	2

PRESENTATION AND FOETAL LOSS:-

Presentation	No. of babies	S.B.	N.N.D.	P.N.D.
Vertex	7	-	1	1
Breech	6	-	1	1
Compound	-	-	-	-
Transverse and oblique lie	1	-	-	-
Face	1	-	-	-
Total	15	-	2	2

MANAGEMENT AND FOETAL LOSS:-

Method of delivery	No. of babies	S.B.	N.N.D.	P.N.D.
Low forceps	1	-	-	-
Assisted breech	4	-	1	1
L.S.C.S.	10	-	1	1
Total	15	-	2	2

Table 18

HYDRAMNIOS

Total No. of cases	4	
Incidence	0.06	%
Total No. of babies	4	
Multiple pregnancies	-	
Maternal deaths	-	
S. B.	2	(50.00 %)
N. N. D.	1	(50.00 %)
P. N. D.	3	(75.00 %)

ASSOCIATED FOETAL ABNORMALITIES:-

No. of cases

Anomalies of cardio-vascular system	-
Anomalies of lip and palate	-
Anomalies of respiratory tract	-
Multiple anomalies	2
Hydrops foetalis	-

Table 19

PROLONGED LABOUR

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

Total No. of cases	5
Primiparae	3
Multiparae	2
Incidence	0.07 %
Total No. of babies	6
Multiple pregnancies	1
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	1	20.00	-	1	-	-	-
Non-booked	4	80.00	-	5	-	-	-
Total	5	100.00	-	6	-	-	-

AGE GROUP AND FETAL LOSS:-

Age group (years)	No. of cases	S.B.	N.N.D.	P.N.D.
20 & under	1	-	-	-
21 - 25	2	-	-	-
26 - 30	1	-	-	-
31 - 35	1	-	-	-
36 & over				
Total	5	-	-	-

METHOD OF DELIVERY AND FETAL LOSS:-

Method of delivery	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	1	-	-	-
L.S.C.S.	5	-	-	-
Total	6	-	-	-

DURATION OF LABOUR AND OUTCOME:-

Duration of labour (hours)	No. of cases	S.B.	N.N.D.	P.N.D.
> 18	1	-	-	-
> 24	4	-	-	-
Total	5	-	-	-

Table 20
LABOUR FOLLOWING PREVIOUS CAESAREAN SECTION

Total No. of cases	123
Incidence	1.72
Total No. of babies	125
Multiple pregnancies	2
Maternal deaths	-
S.B.	-
N.N.D.	2 (1.60%)
P.N.D.	2 (1.60%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	122	99.19	-	124	-	2	2
Non-booked	1	0.81	-	1	-	-	-
Total	123	100.00	-	125	-	2	2

METHOD OF DELIVERY:-

	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	51	-	1	1
Vacuum extraction	29	-	1	1
Low forceps	10	-	-	-
Assisted breech	2	-	-	-
C. S.	33	-	-	-
Total	125	-	2	2

Table 21

INDUCTION OF LABOUR

Total No. of cases	807		
Incidence	11.33	%	
Total No. of babies	826		
Multiple pregnancies	19		
Maternal deaths	-		
S. B.	15	(1.82	%)
N. N. D.	9	(1.11	%)
P. N. D.	24	(2.91	%)
Success rate	84.01	%	

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	768	95.17	-	787	11	9	20
Non-booked	39	4.83	-	39	4	-	4
Total	807	100.00	-	826	15	9	24

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

	No. of cases
Toxaemia of pregnancy	381
Postmaturity	135
Prolonged leakage of liquor or rupture of membranes	122
A.P.H. of unknown origin	43
Elderly primipara	14
Intrauterine death	12
Placenta praevia	2
Accidental haemorrhage	2
Congenital malformation of foetus	2
Diabetes mellitus	1
Others	75

INDUCTION OF LABOUR (Continued)

METHOD OF INDUCTION:-

Medical	151	(18.71 %)
Surgical	200	(24.78 %)
Combined medical and surgical	456	(56.51 %)

MEDICAL INDUCTION

PARITY:-

	No.of cases	Per-centage	Maternal deaths	S.B.	N.N.D.	P.N.D.
Para 0	105	69.54	-	5	2	7
Para 1	22	14.57	-	5	1	6
Para 2 & over	24	15.89	-	2	3	5
Total	151	100.00	-	12	6	18

METHOD OF DELIVERY:-

	No.of babies	Per-centage	Maternal deaths	S.B.	N.N.D.	P.N.D.
Spontaneous ...						
Spontaneous	75	48.08	-	11	4	15
Vacuum extraction	25	16.03	-	-	-	-
Forceps	5	3.20	-	-	-	-
Assisted breech with forceps for A.C.H.	3	1.92	-	1	1	2
Assisted breech with B.M.T. for A.C.H.	6	3.85	-	-	-	-
C.S.	42	26.92	-	-	1	1
Total	156 *	100.00	-	12	6	18

* Including 5 set of twins

SURGICAL INDUCTION

PARITY:-

	No.of cases	Per-centage	Maternal deaths	S.B.	N.N.D.	P.N.D.
Para 0	96	48.00	-	-	1	1
Para 1	37	18.50	-	-	-	-
Para 2 & over	67	33.50	-	-	-	-
Total	200	100.00	-	-	1	1

INDUCTION OF LABOUR (Continued)

METHOD OF DELIVERY:-

	No. of Babies	Percentage	Maternal deaths	S.B.	N.N.D.	P.N.D.
Spontaneous	124	61.69	-	-	-	-
Vacuum extraction ...	29	14.43	-	-	-	-
Low Forceps	9	4.48	-	-	-	-
Assisted Breech with forceps for A.C.H....	1	0.50	-	-	-	-
Breech extraction ...	-	-	-	-	-	-
L.S.C.S.	38	18.90	-	-	1	1
Total	201*	100.00	-	-	1	1

* Including 1 set of twins.

COMBINED MEDICAL AND SURGICAL INDUCTIONS

PARITY:-

	No. of cases	Percentage	Maternal deaths	S.B.	N.N.D.	P.N.D.
Para 0	306	67.11	-	1	2	3
Para 1	61	13.37	-	-	-	-
Para 2 & over	89	19.52	-	2	-	2
Total	456	100.00	-	3	2	5

METHOD OF DELIVERY:-

	No. of Babies	Percentage	Maternal deaths	S.B.	N.N.D.	P.N.D.
Spontaneous	244	52.03	-	2	1	3
Vacuum extraction	97	20.68	-	-	-	-
Low forceps	25	5.33	-	-	1	1
Asst. Breech with B.M.T. 1 for A.C.H.	1	0.21	-	-	-	-
Asst. Breech with forceps for A.C.H.....	2	0.43	-	-	-	-
C.S.	100	21.32	-	1	-	1
Total	469*	100.00	-	3	2	5

* Including 13 sets of twins.

Table 22
VACUUM EXTRACTION

Total No. of cases	768
Incidence	10.78%
Total No. of babies	770
Multiple pregnancies	9*
Maternal death	1 (0.13%)
S.B.	5 (0.65%)
N.N.D.	6 (0.78%)
P.N.D.	11 (1.43%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	751	97.79	1	753	5	6	11
Non-booked	17	2.21	-	17	-	-	-
Total	768	100.00	1	770	5	6	11

PARTY:-

Para 0	649	84.51	1	650	5	5	10
Para 1	67	8.72	-	68	-	-	-
Para 2 & over	52	6.77	-	52	-	1	1
Total	768	100.00	1	770	5	6	11

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

Prolonged 2nd stage	272	APH of unknown origin	13
Foetal distress	179	Elderly primigravida	8
Toxaemia of pregnancy	171	Pulmonary tuberculosis	6
P.O.P. or P.O.T.	87	Unfavourable pelvis	4
Uterine dysfunction	77	Both Foetal & Maternal distress ..	4
Maternal distress	52	Prolonged 1st & 2nd stage	3
Previous L.S.C.S.	29	Accidental haemorrhage	1
Contracted pelvis	21	Other indications	26
Cardiac disease	16		

* In only 2 sets of twins, both babies were delivered by Vacuum Extraction.

Table 23
FORCEPS DELIVERY

Total No. of cases	266
Incidence	3.73%
Total No. of babies	275
Multiple pregnancies	19*
Maternal deaths	-
S.B.	2 (0.73%)
N.N.D.	10 (3.66%)
P.N.D.	9 (3.27%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	238	89.47	-	246	2	7	7
Non-booked	28	10.53	-	29	-	3	2
Total	266	100.00	-	275	2	10	9

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	198	74.44	-	206	1	5	4
Para 1	46	17.29	-	47	-	4	3
Para 2 & over	22	8.27	-	22	1	1	2
Total	266	100.00	-	275	2	10	9

TYPE OF FORCEPS AND FOETAL LOSS:-

Type of forceps	Foetal loss No. of babies	Primiparae			Multiparae			
		SB	NND	PND	No. of babies	SB	NND	PND
Low forceps	145	1	4	4	47	1	4	4
Asst. Breech with forceps for A.C.H.	53	-	1	-	21	-	1	1
Total	198	1	5	4	68	1	5	5

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

Prematurity	75	Previous L.S.C.S.	10
Breech presentation	74	Cardiac disease	10
Toxaemia of pregnancy	57	Maternal distress	5
Foetal distress	40	Accidental haemorrhage	4
Prolonged 2nd stage	16	Contracted pelvis	4
P.O.P. or P.O.T.	14	Fulmonary tuberculosis	2
Failed trial of V.E.	13	Presentation of cord	1
Uterine dysfunction	13	Elderly primigravida	1
APH of unknown origin	11	Unfavourable pelvis	1
		Other indications	22

* In only 9 sets of twins where both babies were delivered by forceps.

Table 24

VERSION IN LABOUR

No. of cases Nil

Table 25
CAESAREAN SECTION

Total No. of cases	745
Incidence	10.46 %
Total No. of babies	755
Multiple pregnancies	11*
Maternal deaths	-
S.B.	8 (1.06 %)
N.N.D.	9 (1.20 %)
P.N.D.	17 (2.25 %)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	727	97.58	-	737	7	9	16
Non-booked	18	2.42	-	18	1	-	1
Total	745	100.00	-	755	8	9	17

AGE GROUP:-

20 & under	59	7.92	-	59	1	-	1
21 - 25	280	37.58	-	284	2	4	6
26 - 30	222	29.80	-	226	-	1	1
31 - 35	94	12.62	-	95	1	3	4
36 - 40	68	9.13	-	69	3	1	4
41 & over	22	2.95	-	22	1	-	1
Total	745	100.00	-	755	8	9	17

PARITY:-

Para 0	392	52.62	-	400	3	4	7
Para 1	223	29.93	-	223	2	4	6
Para 2 & over	130	17.45	-	132	3	1	4
Total	745	100.00	-	755	8	9	17

* In one set of twin pregnancy only the second twin was delivered by L.S.C.S.

CAESAREAN SECTION (Continued)

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

Previous L.S.C.S.	212
Failed induction of labour	173
Toxaemia of pregnancy	171
Contracted pelvis	165
P.O.P. or P.O.T.	117
Breech presentation	99
Foetal distress	86
Failed trial of labour	84
Unfavourable pelvis	57
Uterine dysfunction	53
C-P disproportion	50
Placenta praevia	32
Elderly primigravida	29
APH of unknown origin	18
Transverse lie	14
Failed trial of V.E.	14
Accidental haemorrhage	11
Presentation or prolapse of cord	10
Prolonged 1st stage	5
Cardiac disease	5
Diabetes mellitus	5
Both foetal and maternal distress	4
Compound presentation	4
Face presentation.....	3
Previous C.C.S.	1
Brow presentation	1
Failed trial of vacuum & forceps	1
Other indications	159

Table 26
RUPTURE OF UTERUS

Total No. of cases	1
Incidence	0.01%
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	100.00	-	1	-	-	-
Non-booked	-	-	-	-	-	-	-
Total	1	100.00	-	1	-	-	-

PARITY:-

Para 1	1	100.00	-	1	-	-	-
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METHOD OF DELIVERY:-

L.S.C.S. & P.P.S. ...	1	100.00	-	1	-	-	-
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TYPE:-

Dehiscence of previous uterine scar 1

CAUSES:-

Previous L.S.C.S. and labour 1

Table 27
CONTRACTED PELVIS

Total No. of cases	251
Incidence	3.52%
Total No. of babies	251
Multiple pregnancies	-
Maternal deaths	-
S.B.	-
N.N.D.	1 (0.40%)
P.N.D.	1 (0.40%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	247	98.41	-	247	-	1	1
Non-booked	4	1.59	-	4	-	-	-
Total	251	100.00	-	251	-	1	1

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	114	45.42	-	114	-	-	-
Para 1	89	35.46	-	89	-	-	-
Para 2 and over	48	19.12	-	48	-	1	1
Total	251	100.00	-	251	-	1	1

TYPE OF PELVIS:-

Gynaecoid	43
Anthropoid	30
Unknown	178

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 ..	16	-	-	-	39	-	1	1
Vacuum extraction ..	21	-	-	-	6	-	-	-
Forceps	3	-	-	-	1	-	-	-
L.S.C.S.	74	-	-	-	91	-	-	-
Total	114	-	-	-	137	-	1	1

Table 28

ANTEPARTUM HAEMORRHAGE

Total No. of cases	190	
Incidence	2.67	%
Total No. of babies	190	
Multiple pregnancies	-	
Maternal deaths	-	
S. B.	7	(3.68 %)
N. N. D.	5	(2.73 %)
P. N. D.	11	(5.79 %)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	170	89.47	-	170	5	4	9
Non-booked	20	10.53	-	20	2	1	2
Total	190	100.00	-	190	7	5	11

PARITY:-

Para 0	83	43.69	-	83	4	1	5
Para 1	45	23.68	-	45	-	3	2
Para 2 & over	62	32.63	-	62	3	1	4
Total	190	100.00	-	190	7	5	11

TYPE OF A.P.H. :-

Accidental haemorrhage	28	(14.74 %)
Placenta praevia	36	(18.95 %)
A.P.H. of unknown origin	106	(55.79 %)
A.P.H. due to extra-placental causes	20	(10.52 %)

Table 29
ACCIDENTAL ANTEPARTUM HAEMORRHAGE

Total No. of cases	28
Incidence:- Overall	0.39%
Among A.P.H.	14.74%
Total No. of babies	28
Multiple pregnancies	-
Maternal deaths	-
S.B.	4 (14.29%)
N.N.D.	3 (12.50%)
P.N.D.	6 (21.43%)

CAUSES:-

Toxaemia	9
Hydramnois	-
Unknown	19

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	21	75.00	-	21	3	2	5
Non-booked	7	25.00	-	7	1	1	1
Total	28	100.00	-	28	4	3	6

AGE GROUP:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	4	14.29	-	4	1	-	1
21 - 25	5	17.86	-	5	1	-	1
26 - 30	12	42.86	-	12	-	1	1
31 - 35	2	7.14	-	2	-	1	1
36 - 40	3	10.71	-	3	2	1	2
41 & over	2	7.14	-	2	-	-	-
Total	28	100.00	-	28	4	3	6

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	10	35.71	-	10	2	-	2
Para 1	7	25.00	-	7	-	2	1
Para 2 & over	11	39.29	-	11	2	1	3
Total	28	100.00	-	28	4	3	6

ACCIDENTAL ANTEPARTUM HAEMORRHAGE
(Continued)

<u>METHOD OF DELIVERY:-</u>	<u>No. of cases</u>	<u>Per-centage</u>	<u>Maternal deaths</u>	<u>No. of babies</u>	<u>SB</u>	<u>NND</u>	<u>PND</u>
Spontaneous	13	46.43	-	13	2	1	3
Vacuum extraction	1	3.57	-	1	-	-	-
Low Forceps	4	14.29	-	4	-	1	-
L.S.C.S.	10	35.71	-	10	2	1	3
<u>Total</u>	<u>28</u>	<u>100.00</u>	<u>-</u>	<u>28</u>	<u>4</u>	<u>3</u>	<u>1</u>

Table 30

PLACENTA PRÆVIA

Total No. of cases	36	
Incidence:- Overall	0.51	%
Among A.P.H.	18.95	%
Total No. of babies	36	
Multiple pregnancies	-	
Maternal deaths	-	
S.B.	1	(2.78%)
N.N.D.	1	(2.86%)
P.N.D.	2	(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	32	88.89	-	32	-	1	1
Non-booked	4	11.11	-	4	1	-	1
Total	36	100.00	-	36	1	1	2

AGE GROUP:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	-	-	-	-	-	-	-
21 - 25	13	36.11	-	13	-	1	1
26 - 30	10	27.78	-	10	1	-	-
31 - 35	5	13.89	-	5	-	-	-
36 - 40	7	19.44	-	7	-	-	-
41 & over	1	2.78	-	1	-	-	-
Total	36	100.00	-	36	1	1	2

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	8	22.22	-	8	-	-	-
Para 1	9	25.00	-	9	-	1	1
Para 2 & over	19	52.78	-	19	1	-	1
Total	36	100.00	-	36	1	1	2

PLACENTA PRAEVI (Continued)

METHOD OF DELIVERY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	4	11.11	-	4	1	-	1
L.S.C.S.	32	88.89	-	32	-	1	1
Total	36	100.00	-	36	1	1	2

BLOOD LOSS AND FETAL LOSS:-

Amount (ml.)	No. of Babies	S.B.	N.N.D.	P.N.D.
0 - 500 ml.	31	1	1	2
501 - 1,000 ml.	2	-	-	-
1,001 - 1,500 ml.	-	-	-	-
1,501 - 2,000 ml.	1	-	-	-
2,001 - 2,500 ml.	1	-	-	-
2,501 - 3000 ml.	-	-	-	-
3,001 & over	1	-	-	-
Total	36	1	1	2

Table 31

A.P.H. OF UNKNOWN ORIGIN

Total No. of cases	106	
Incidence: - Overall	1.49	%
Among A.P.H.	55.79	%
Total No. of babies	107	
Multiple pregnancies	1	
Maternal deaths	-	
S.B.	2	(1.87%)
N.N.D.	1	(0.95%)
P.N.D.	3	(2.80%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of Babies	S.B.	N.N.D.	P.N.D.
Booked	98	92.45	-	99	2	1	3
Non-Booked	8	7.55	-	8	-	-	-
Total	106	100.00		107	2	1	3

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of Babies	S.B.	N.N.D.	P.N.D.
Para 0	55	51.89	-	56	2	1	3
Para 1	23	21.70	-	23	-	-	-
Para 2 & over	28	26.41	-	28	-	-	-
Total	106	100.00		107	2	1	3

METHOD OF DELIVERY:-

	No. of cases	Per-centage	Maternal deaths	No. of Babies	S.B.	N.N.D.	P.N.D.
Spontaneous	63	59.43	-	64	2	-	2
Vacuum extraction	13	12.27	-	13	-	-	-
Low Forceps	8	7.55	-	8	-	-	-
Assisted breech with forceps for A.C.H.	3	2.83	-	3	-	1	1
Assisted breech with B.M.T. for A.C.H.	1	0.94	-	1	-	-	-
L.S.C.S.	18	16.98	-	18	-	-	-
Total	106	100.00		107	2	1	3

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

INDICATIONS FOR C.S. :-

Previous Caesarean Section and Unfavourable Pelvis	4
Previous Caesarean Section	3
No Progress of Labour	3
Failed Induction of Labour	2
Contracted Pelvis	2
Failed Trial of Labour	1
Foetal Distress and C-P Disproportion	1
Uterine Dysfunction	1
Contracted Pelvis and Elderly Primigravida	1
Breech Presentation and Contracted Pelvis	1
Previous Caesarean and Failed Trial of Labour	1
Breech Presentation and Unfavourable Pelvis	1
Breech Presentation and Previous Caesarean Section	1

Table 32

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

Total No. of cases	20
Incidence:- Overall	0.28 %
Among A.P.H.	10.53 %
Total No. of babies	20
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	19	95.00	-	19	-	-	-
Non-booked	1	5.00	-	1	-	-	-
Total	20	100.00	-	20	-	-	-

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	10	50.00	-	10	-	-	-
Para 1	6	30.00	-	6	-	-	-
Para 2 & over	4	20.00	-	4	-	-	-
Total	20	100.00	-	20	-	-	-

CAUSES:-

Cervical erosion	17
Cervical polyp	3

Table 33

POSTPARTUM HÆMORRHAGE

Total No. of cases	102
Incidence	1.43%
Total No. of babies	106
Multiple pregnancies	3*
Maternal deaths	1 (0.98%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of Babies	S.N.	N.N.D.	P.N.D.
Booked	91	89.22	1	95	2	1	3
Non-booked	11	10.78	-	11	-	-	-
Total	102	100.00	1	106	2	1	3

AGE GROUP:-

2 % under	10	9.80	1	10	-	1	1
21 - 25	39	38.24	-	41	-	-	-
26 - 30	32	31.37	-	34	-	-	-
31 - 35	10	9.80	-	10	1	-	1
36 - 40	9	8.83	-	9	1	-	1
41 & over	2	1.96	-	2	-	-	-
Total	102	100.00	1	106	2	1	3

PARTY:-

Para 0	46	45.10	1	46	-	1	1
Para 1	31	30.39	-	33	1	-	1
Para 2 & over	25	24.51	-	27	1	-	1
Total	102	100.00	1	106	2	1	3

METHOD OF DELIVERY:-

Spontaneous	69	67.65	-	72	2	-	2
Vacuum extraction	17	16.67	1	17	-	1	1
Low Forceps	8	7.84	-	8	-	-	-
Assisted breech with B.H.T. for A.C.H.....	2	1.96	-	3	-	-	-
Cæsarean section	6	5.88	-	6	-	-	-
Total	102	100.00	1	106	2	1	3

* Including 1 set of triplets

POSTPARTUM HAEMORRHAGE

(Continued)

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

	Primiparae	Multiparae	Total
Uterine atony	14	18	32
Retained placenta	3	20	23
Trauma to genital tract	11	6	17
Subinvolution	10	7	17
Retained products of conception ..	7	5	12
Genital tract infection	1	-	1
Others	2	2	4
Total	48	58	106

AMOUNT OF BLOOD LOSS:-

Millilitres	Primiparae	Multiparae	Total
500 or less	31	18	49
501 - 1,000	13	32	45
1,001 - 1,500	-	6	6
1,501 - 2,000	-	-	-
2,001 - 2,500	-	-	-
2,501 - 3,000	1	-	1
3,001 & over	1	-	1
Total	46	56	102

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

Blood transfusion	22	39	61
Evacuation of uterus	17	14	31
Conservative (Ergometrine, Syntocinon, etc.)	10	13	23
Manual removal of placenta or cotyledon	-	10	10
Repair of laceration	6	3	9
Both blood transfusion and fibrinogen	1	1	2
Placenta delivered by B.A.T.	-	2	2
Placenta delivered by fundal pressure	-	1	1
Hysterectomy ,.....	-	1	1
Ligation of internal iliac arteries	1	-	1
Others (including combined treatment)	2	5	7

Table 34

MANUAL REMOVAL OF PLACENTA

Total No. of cases	25	
Incidence	0.35	%
Total No. of babies	25*	
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	18	72.00	-	18	1	-	1
Non-booked	7	28.00	-	7	-	-	-
Total	25	100.00	-	25	1	-	1

AGE GROUP:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	2	8.00	-	2	-	-	-
21 - 25	11	44.00	-	11	-	-	-
26 - 30	6	24.00	-	6	-	-	-
31 - 35	2	8.00	-	2	1	-	1
36 - 40	3	12.00	-	3	-	-	-
41 & over	1	4.00	-	1	-	-	-
Total	25	100.00	-	25	1	-	1

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	7	28.00	-	7	-	-	-
Para 1	12	48.00	-	12	1	-	1
Para 2 & over	6	24.00	-	6	-	-	-
Total	25	100.00	-	25	1	-	1

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

	Primiparae	Multiparae	Total
Adherent placenta	1	4	5
Retained placenta	4	14	18
Broken cord	1	-	1
Others	1	-	1
Total	7	18	25

* Including 6 B.B.A. cases. All 6 babies were admitted.

Other indications

MANUAL REMOVAL OF PLACENTA (Continued)

METHOD OF DELIVERY:-	No. of cases	Per-centage	Maternal deaths	No. of babies	SB	NND	FND
Spontaneous	20	80.00	-	20	1	-	1
Vacuum extraction	2	8.00	-	2	-	-	-
Asst. breech with B.M.T. for A.C.H.	2	8.00	-	2	-	-	-
Asst. breech with forceps for A.C.H.	1	4.00	-	1	-	-	-
Total	25	100.00	-	25	1	-	1

Postpartum haemorrhage 10 cases (40.00%)

DURATION OF LABOUR:-

Second stage over 1 hour 14 cases

Table 35
TUMOURS ASSOCIATED WITH PREGNANCY,
LABOUR OR PUERPERIUM

Total No. of cases	17
Incidence	0.24%
Total No. of babies	17
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	17	100.00	-	17	-	-	-
Non-booked	-	-	-	-	-	-	-
Total	17	100.00	-	17	-	-	-

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	9	52.94	-	9	-	-	-
Para 1	4	23.53	-	4	-	-	-
Para 2 & over	4	23.53	-	4	-	-	-
Total	17	100.00	-	17	-	-	-

TYPE OF TUMOUR:-

Ovarian cyst	7
Uterine fibromyomata	6
Parovarian cyst	2
Benign - including gartner duct cyst, inclusion cyst, etc. of vagina	1
Other tumours	1

METHOD OF DELIVERY:-

Spontaneous	7
Vacuum extraction	3
L.S.C.S.	7

Table 36
MULTIPLE PREGNANCY

Number of cases 53*

TWIN PREGNANCY

Total No. of cases 51
 Incidence of twin pregnancy 0.72 %
 Total No. of babies 102
 Maternal deaths -
 Binovular 17
 Uniovular 34
 Unknown -

FOETAL MORTALITY:-

	First Twin	Second Twin	Total	
S.B.	1	1	2	(1.96%)
N.N.D.	1	5	6	(6.00%)
T.N.D.	2	5	7	(6.86%)

BOOKED AND NON-BOOKED:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Booked	48	94.12	-	96	2	5	7
Non-booked	3	5.88	-	6	-	1	-
Total	51	100.00	-	102	2	6	7

AGE GROUP:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
20 & under	3	5.88	-	6	-	-	-
21 - 25	21	41.18	-	42	1	4	4
26 - 30	19	37.26	-	38	-	2	2
31 - 35	5	9.80	-	10	-	-	-
36 - 40	3	5.88	-	6	1	-	1
41 & over	-	-	-	-	-	-	-
Total	51	100.00	-	102	2	6	7

PARITY:-

	No. of cases	Per-centage	Maternal deaths	No. of babies	S.B.	N.N.D.	P.N.D.
Para 0	28	54.90	-	56	1	3	3
Para 1	8	15.69	-	16	-	4	-
Para 2 & over	15	29.41	-	30	1	3	4
Total	51	100.00	-	102	2	6	7

* Including 2 sets of triplets

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		5	1	20.00	6	5	83.33
1,501 - 2,000		12	-	-	10	1	10.00
2,001 - 2,500		19	1	5.26	18	-	-
2,501 - 3,000		12	-	-	13	-	-
3,001 - 3,500		3	-	-	4	-	-
3,501 - 4,000		-	-	-	-	-	-
4,001 & over		-	-	-	-	-	-
Total		51	2	3.92	51	6	11.76

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		20	1	5.00	11	2	18.18
Vacuum extraction		7	-	-	5	-	-
Low forceps		13	-	-	7	-	-
Assisted breech		2	-	-	19	3	15.79
Breech extraction		-	-	-	-	-	-
C.S.		9	1	11.11	9	1	11.11
Total		51	2	3.92	51	6	11.76

PRESENTATION:-

Vertex - Vertex	25
Vertex - Breech	21
Breech - Breech	3
Vertex - Transverse	2

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		48	2	4.17	25	2	8.00
Breech		3	-	-	24	4	16.67
Transverse lie		-	-	-	2	-	-
Total		51	2	3.92	51	6	11.76

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

Breech presentation	3
Uterine dysfunction	3
Foetal distress	2
Contracted pelvis	2
Transverse lie	1
Toxaemia	1

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

Toxaemia	22
Anaemia	20
Postpartum haemorrhage	2
Prolonged labour	1

TRIPLETS

Booked Case Serial No. 1520/74 Age : 27 Gravida : 3 Para : 2

This patient was first seen at the antenatal clinic at 23 weeks' maturity, and multiple pregnancy was diagnosed clinically. At 28 weeks' maturity the triple pregnancy was confirmed radiologically and she was then admitted to hospital for rest. Patient developed ankle oedema, mild anaemia and occasional hypertension (115/90 mm.Hg.) while she was in hospital. Serial urinary estimation was done to monitor the foetal well-being. She went into spontaneous labour at the maturity of 38 weeks and a set of live female triplets were delivered. The first baby, weighing 2,700 gm., was delivered in Vx LOA position by low forceps. The second baby, weighing 2,500 gm., was in breech presentation with one flexed leg and was delivered by assisted breech delivery with Burns-Marshall technique for the after-coming head. The third baby, weighing 2,700 gm. was vertex presenting and delivered with vacuum extraction. The third stage was complicated by postpartum haemorrhage of 800 ml. and treatment included massage of uterus, intravenous injection of ergometrine and blood transfusion.

Patient had postpartum sterilization on the third day after delivery and was discharged on the 9th postpartum day. She had postpartum anaemia and parenteral iron therapy raised the haemoglobin level from 8.3 gm.% to 10.8 gm.%.

The first baby was discharged well 8 days after delivery weighing 2,480 gm.; the second baby 9 days after delivery weighing 2,400 gm. and the third baby 10 days after delivery, weighing 2,780 gm.

The condition of the mother and that of the triplets at postnatal visit were satisfactory.

TRIPLETS

Booked case Serial No. 2748/74 Age : 23 Gravida : 4 Para : 3

This patient first attended the antenatal clinic at the maturity of 18 weeks, but the uterus then was enlarged to about 32 weeks gravid size. Though her L.M.P. was very very sure, clinical findings were suggestive of multiple pregnancy.

At 23 weeks maturity (clinically about 38 weeks), she was admitted from antenatal clinic for oedema (+++). After admission, she was also found to have occasional hypertension (Blood pressure ranged from 110/70 to 140/90 mm.Hg.). There was no proteinuria. She was treated with diuretics and sedative and foetal well-being was monitored with urinary oestriol study. During her stay in hospital, she also developed urinary tract infection and anaemia which responded well to treatment with urinary antibiotics and iron therapy respectively.

She went into spontaneous labour at the maturity of 27-1/7 weeks and a set of female triplets were delivered in good condition. The first baby, weighing 1,200 gm., was delivered by assisted delivery with Burns-Marshall technique for the after-coming head. The second baby, weighing 1,750 gm. and in vertex presentation, was delivered spontaneously. The third baby, weighing 1,550 gm., was also in breech presentation and delivered by Burns-Marshall technique for the after-coming head. The third stage of labour and the puerperium were uneventful. Postpartum sterilization was performed on Day 7 and patient was discharged well on the 14th day after delivery with a normal blood pressure.

The first baby was discharged well 80 days after delivery weighing 2,300 gm.; the second baby 65 days after delivery weighing 2,200 gm. and the third baby 62 days after delivery, weighing 2,280 gm.

Both mother and the triplets were well at the postnatal visit.

Table 37

PUERPERAL PYREXIA

Total No. of cases	250
Incidence	3.51 %

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

Genital in origin	21	(7.50 %)
Urinary in origin	104	(37.14 %)
Combined genital and urinary origin	7	(2.50 %)
Others	85	(30.36 %)
Unknown origin	63	(22.50 %)

PUERPERAL PYREXIA (GENITAL)

Total No. of cases	21
Booked	21
Non-booked	-
Primiparae	14
Multiparae	7
Incidence:- Overall	0.29 %
Among puerperal pyrexia	8.40 %
Multiple pregnancies	1
Maternal deaths	-

METHOD OF DELIVERY :-

Spontaneous	5
Vacuum extraction	2
Low forceps	3
Assisted breech with B.M.T. for A.C.H.	-
Assisted breech with forceps for A.C.H.	-
L. S. C. S.	12
C. C. S.	-

Total No. of babies 22

MATERNAL DEATH

Booked case Serial No. 3220/74 Age : 19 Gravida : 1 Para : 0

This patient was booked at the antenatal clinic at a maturity of 18 weeks and 5 days, calculated from the given L.M.P. which was not certain. The uterus size then was about 14-16 weeks gravid size. During her pregnancy she was found to have vaginal moniliasis and genital warts which were treated with nystatin vaginal pessaries and local application of 20% podophylline respectively. She was admitted when the pregnancy was 10 days past term. X-ray abdomen showed a foetus of 38 to 40 weeks' maturity and amniocentesis on alternate days detected no abnormalities.

She went into spontaneous labour at the calculated maturity of 45 weeks and 6 days. X-ray pelvimetry showed adequate pelvic measurements and good shape. Foetal blood sampling and continuous foetal heart monitor gave satisfactory results. The first stage lasted for about 18 hours. At the beginning of the second stage, the patient started to have hyperventilation and suddenly became unconscious. The baby was delivered quickly by vacuum extraction with Apgar score of 1 and the placenta was delivered complete by fundal pressure. The patient remained unconscious despite resuscitation. Continuous vaginal bleeding was noted after repairing the episiotomy wound and the use of intravenous ergometrine, syntocinon infusion and uterine massage failed to stop the bleeding. Meanwhile, there were haematuria and blood stained aspirates from the nose and mouth. Diagnosis of amniotic fluid embolism was made. Despite active resuscitation with blood transfusion, fibrinogen and heparin, the patient died 8 hours after delivery of the baby.

Her baby died on Day 4 because of severe intrauterine asphyxia and acute renal shut-down. Postmortem examination on the baby was refused.

Autopsy on the mother showed:

- Amniotic fluid embolism and intravascular coagulation.
- Patchy haemorrhage of lungs and blood clots in bronchial tree.
- Petechial haemorrhage of subendocardium of left ventricle.
- Haemorrhage in soft tissues around the uterus.

Cause of death: Amniotic fluid embolism.

Table 38
SUMMARY OF FETAL LOSS

Total No. of live births and stillbirths 7166
Total No. of live births 7109

	S. B.			N. N. D.			P. N. D.		
	No. of babies	Percentage	Incidence*	No. of babies	Percentage	Incidence**	No. of babies	Percentage	Incidence**
Total No.	57	(3)	7.95	62	(5)	8.72	112	(7)	15.63
Booked	48	(3)	7.02	56	(4)	8.25	98	(6)	14.34
Non-booked	9	(-)	27.19	6	(1)	18.63	14	(1)	42.30
Primiparae	28	(1)	7.87	30	(3)	8.50	54	(3)	15.18
Multiparae	29	(2)	8.05	32	(2)	8.95	58	(4)	16.09
CAUSES									
	S. B.			N. N. D.			P. N. D.		
	No. of babies	Percentage	No. of babies	Percentage	No. of babies	Percentage	No. of babies	Percentage	No. of babies
1. Intrapartum anoxia	12	21.05	3	4.84	15	15	8	8	7
Breech presentation	1		1		1		1		1
Cord accident	11		1		12	12	6	6	6
Placental insufficiency of Unknown cause	1		-		1	1	1	1	-
Severe intrauterine asphyxia	1		1		1	1	1	1	-
2. Congenital malformations	6	10.53	17	27.42	19	18	8	11	16.96
Multiple anomalies	5		4		8	8	4	4	4
Anencephaly	1		4		5	4	1	5	5
Congenital heart disease	-		8		5	5	3	2	2
Ileal atresia	-		1		1	1	1	1	-
3. Antepartum anoxia	12	21.05	1	1.61	13	10	3	8	5
Toxaemia	4		1		5	4	1	3	2
Accidental haemorrhage	6		1		6	5	1	4	2
Placenta praevia	1		-		1	-	-	1	1
A.P.H. of unknown origin	1		1		1	1	1	1	-
4. Antepartum deaths with no lesion	22	38.60	-	-	22	17	5	11	19.64

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	Multi-parae	Percent-age
5. Respiratory distress syndrome	-	-	20	32.26	20	16	4	13	7	7	17.86
6. Birth trauma	1	1.75	3	4.84	4	4	-	4	-	-	3.57
Prematurity	1		1		2	2	-	2	-	-	
Instrumental delivery.	-		2		2	2	-	2	-	-	
7. Neonatal infection	-	-	9	14.52	6	6	-	1	5	5	5.36
Septicaemia	-		5		4	4	-	1	3	3	
Aspiration pneumonia..	-		4		2	2	-	-	2	2	
8. Isoimmunization and other haemolytic disease	3	5.27	4	6.45	7	6	1	3	4	4	6.25
Hydrops foetalis	3		3		6	5	1	3	4	4	
Haemoglobin Barts disease	-		1		1	1	-	-	1	1	
9. Miscellaneous	1	1.75	5	8.06	6	5	1	4	2	2	5.36
Prematurity	1		-		1	1	-	1	-	-	
Neonatal asphyxia	-		3		3	2	1	2	1	1	
Atelectasis of lungs ..	-		2		2	2	-	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 FETAL 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		7	5	12
1,001 - 1,500		6	11	15
1,501 - 2,000		6	10	15
2,001 - 2,500		6	10	15
2,501 - 3,000		12	13	24
3,001 - 3,500		15	9	22
3,501 - 4,000		4	3	7
4,001 - 4,500		1	1	2
Total		57	62	112

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		40	33	69
Vacuum extraction		5	6	11
Low forceps		2	8	8
Assisted breech delivery with B.M.T. for A.C.H.		3	4	7
Assisted breech delivery with forceps for L.C.H.		-	2	1
Breech extraction		-	-	-
Caesarean section		7	9	16
Total		57	62	112

TABLE 39

PREMATURE LIVE-BORN INFANTS

Total No. of cases	558
Booked	512
Non-Booked	46
Primiparae	310
Multiparae	248
Multiple pregnancies	(one twin)..... 5
.....(both twins).....	26
.....(all triplets).....	1
Incidence (per 1,000 L.B.)	78.49
N.N.D.	36

CAUSES OF DEATH:-

	No. of cases
Anencephaly	1
Foetal malformation	4
Prematurity	1
Hydrops foetalis	2
Respiratory distress syndrome	19
Antepartum anaemia : toxemia	1
Septicaemia	2
Aspiration pneumonia	2
Intrapartum asphyxia : breech	1
Neonatal asphyxia	2
Atelectasis of lungs	1

MATURITY (Weeks):-

	No. of cases	N.N.D, No. of cases	Loss per 1,000
Under 32 weeks	38	12	315.79
32 - 33 weeks	56	9	160.71
34 - 35 weeks	78	3	38.46
36 - 37 weeks	112	3	26.79
38 - 39 weeks	151	5	33.11
40 - 41 weeks	78	2	25.64
42 weeks & over	18	1	55.56
Unknown	27	1	37.04

BIRTH WEIGHT (Grams):-

	No. of cases	N.N.D, No. of cases	Loss per 1,000
Under 1,000	14	5	357.14
1,001 - 1,500	33	11	333.33
1,501 - 2,000	98	10	102.04
2,001 - 2,500	413	10	24.21

Table 40

CONGENITAL MALFORMATIONS

Total No. of cases	139	
Booked	130	
Non-booked	9	
Incidence	19.40	per 1,000 L.B. & S.B.

Foetal mortality:-

S.B.	6	(4.32 %)
N.N.D.	17	(12.78 %)
F.N.D.	19	(13.67 %)
Among live births	1.87 %	
Among stillbirths	10.53 %	
Among premature live births	4.12 %	
Among neonatal deaths	27.42 %	

TYPE OF MALFORMATION:-

No. of cases

Anomalies of central nervous system	10
Anomalies of limbs	29
Anomalies of lip and palate	12
Anomalies of skin	4
Anomalies of gastro-intestinal tract	3
Anomalies of cardio-vascular system	20
Anomalies of respiratory system	2
Anomalies of genito-urinary tract	12
Multiple anomalies	11
Others	36

Table 41
BIRTH TRAUMA

Total No. of cases	81	
Incidence	11.30	per 1,000 L.B. & S.B.
Foetal result:- S.B.	1	(1.23 %)
N.N.D.	3	(3.75 %)
P.N.D.	4	(4.94 %)

METHOD OF DELIVERY:-

	No. of babies	Percentage
Spontaneous	32	39.51
Vacuum extraction	36	44.44
Low forceps	4	4.94
Assisted breech with B.M.T. for A.C.H.	-	-
Assisted breech with forceps for A.C.H.	2	2.47
Breech extraction	-	-
Caesarean section	7	8.64

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

	No. of cases
Cephalhaematoma	71
Cerebral symptoms	-
Tentorial tear	2
Subdural haematoma	2
Abrasion	3
Combined	-
Depressed fracture of skull	-
Fracture of other bones	1
Both depressed fracture of skull and fracture of other bones	-
Other types of birth injury	3

Table 42
NEONATAL INFECTIONS

Total No. of cases	539
Incidence (per 1,000 L.B.)	75.82
N.N.D.	9
Neonatal mortality rate	1.67%

Table 43

NEONATAL JAUNDICE

Total No. of cases	806
Incidence (per 1,000 L.B.)	113.38
No. of cases with known cause	239

Cause	No. of cases	Exchange transfusion	N.N.D.
A.B.O. incompatibility	162	22	-
Glucose-6-phosphate dehydrogenase deficiency	35	4	-
P-K deficiency	-	-	-
Haemoglobinopathy	-	-	-
Cephalhaematoma	7	2	-
Prematurity	27	14	1*
Sepsis	5	2	-
Ph incompatibility	-	-	-
Others	3	1	-
Unknown cause	567	31	-
Total	806	76	1

* Main cause of death was pneumonia.

Table 44
X-RAY DEPARTMENT STATISTICS

Month	Chest	Bones	Abdomen	Pelvimetry	Direct Fluor- tography	Dental
January	413	15	41	120	5	-
February	680	10	51	127	-	-
March	662	8	39	118	5	-
April	751	15	35	79	-	1
May	618	15	45	122	7	-
June	540	8	40	120	6	1
July	836	15	78	131	5	-
August	492	10	64	150	6	1
September	633	7	54	149	9	-
October	499	9	54	145	11	-
November	509	12	43	145	4	-
December	456	8	32	130	5	-
Total	7,089	132	576	1,536	63	3

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