



**CLINICAL REPORT  
OF THE  
TSAN YUK HOSPITAL  
FOR THE YEAR  
1965**



ISSUED BY THE  
**DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY**  
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## ABBREVIATIONS

TABLE OF COMPARATIVE STATISTICS, 1955-1965

	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Adult patients admitted	6,984	8,391	10,865	8,918	8,196	7,251	7,774	7,340	7,624	6,761	5,654
Patients delivered in hospital	6,173	7,524	9,836	7,760	7,431	6,265	6,537	5,844	6,455	5,626	5,505
Primiparae	1,480	1,878	2,666	2,400	2,886	2,525	2,583	2,412	2,685	2,309	2,287
Multiparae	4,693	5,646	7,170	5,360	4,545	3,741	3,954	3,432	3,770	3,317	3,218
Patients admitted after delivery	24	28	56	22	13	—	2	1	4	8	59
Primiparae	1	3	4	1	—	—	2	1	4	4	7
Multiparae	23	25	52	21	13	30	21	21	52	48	52
Total patients delivered	6,197	7,552	9,892	7,782	7,444	6,298	6,559	5,869	6,515	5,678	5,564
Abortion	6	32	17	35	30	17	22	25	20	49	37
Patients transferred	14	40	40	11	20	14	4	43	36	32	17
Patients discharged undelivered	781	945	922	799	119	142	80	59	70	52	52
Pre-eclampsia	247	413	714	533	563	558	501	127	101	110	83
Eclampsia	18	19	15	6	17	13	14	3	7	4	4
Accidental antepartum haemorrhage	27	38	80	72	74	60	55	56	69	46	56
Placenta praevia	38	48	57	50	28	48	50	53	73	70	55
Postpartum haemorrhage	26	74	72	54	70	50	37	55	48	43	91
Contracted pelvis	101	264	454	279	454	568	651	694	585	440	464
Vacuum extraction	—	—	—	—	—	—	114	295	579	555	622
Vacuum extraction rate per cent	—	—	—	—	—	—	—	1.74	5.02	8.96	11.05
Forceps delivery	107	199	294	436	639	743	565	413	327	239	199
Forceps delivery rate per cent	1.73	2.64	2.94	5.61	9.4	11.79	10.00	7.07	5.04	4.21	3.54
Caesarean section	157	174	227	221	384	532	597	527	513	556	615
Caesarean section rate per cent	2.53	2.30	2.70	2.84	5.16	8.45	9.09	9.02	7.87	9.79	11.11
Maternal deaths	1	4	11	7	5	2	8	—	2	6	6
Maternal death rate (per 1,000 cases admitted) (per 1,000 cases delivered)	0.16	0.52	1.11	0.89	0.65	0.32	1.22	—	0.31	1.05	1.06
Infants born in hospital	6,233	7,007	9,919	7,868	7,635	6,333	6,631	5,874	6,526	5,701	5,567
Infants born before admission (B.B.A.)	24	28	61	22	13	32	25	63	52	60	60
Total infants born	6,257	7,635	9,980	7,890	7,548	6,365	6,653	5,899	6,589	5,753	5,627
Infants transferred	12	16	11	—	5	2	1	6	15	15	6
Stillbirths (including macerated foetuses)	81	119	115	119	82	61	76	63	95	75	46
Stillbirth rate (per 1,000 live and stillbirths)	12.95	15.6	11.52	15.08	10.66	9.58	11.46	10.68	14.42	13.04	8.17
Neonatal deaths	109	153	219	105	100	78	88	63	71	58	56
Neonatal death rate (per 1,000 live births)	17.82	20.3	21.94	13.53	13.39	12.37	13.43	10.79	10.93	10.22	10.03
Perinatal deaths	—	—	—	—	—	—	135	154	121	163	100
Perinatal death rate (per 1,000 live & stillbirths)	—	—	—	—	—	—	21.21	23.22	20.50	24.74	22.95

## STATISTICAL SUMMARY

STATISTICAL SUMMARY (Continued)

Neo-natal deaths

Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	56
Booked	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	41
Non-booked	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15

Neo-natal death rate (per 1,000 live births)

Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10.03
Booked	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7.87
Non-booked	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	40.32

Perinatal deaths

Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	100
Booked	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	72
Non-booked	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	28

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

Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17.77
Booked	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13.74
Non-booked	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	72.54

Antenatal Clinic:—

Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	32,790
New patients	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5,379
Re-attendances	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27,411

Postnatal Clinic:—

Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3,478
New patients	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,945
Re-attendances	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	533

\* Of the 5 sets of twins, 1 patient delivered both babies at home, 4 patients delivered the second twins only in hospital.

+ There were no triplets.

x Including one case died undelivered.

TABLE 1  
ASSOCIATED DISEASES

ANAEAMIA

Total No. of cases ... ... ... ... ... ... ... ...	883
Booked ... ... ... ... ... ... ... ...	780
Non-booked ... ... ... ... ... ... ... ...	103
Primiparae ... ... ... ... ... ... ... ...	386
Multiparae ... ... ... ... ... ... ... ...	497
Incidence ... ... ... ... ... ... ... ...	15.87%

Type of anaemia:—

1. Iron deficiency ... ... ... ... ... ... ... ...	868 (98.30%)
2. Thalassaemia minor ... ... ... ... ... ... ... ...	5 ( 0.57%)
3. Other haemoglobinopathy ... ... ... ... ... ... ... ...	3 ( 0.34%)
4. Other haemolytic anaemia ... ... ... ... ... ... ... ...	1 ( 0.11%)
5. Others ... ... ... ... ... ... ... ...	6 ( 0.68%)

URINARY TRACT INFECTIONS (Antenatal)

Total No. of cases ... ... ... ... ... ... ... ...	31
--	----

AGE GROUP:—

	No. of cases	Per-centage	No. of babies	S. B.	N.N.D.	P.N.D.
20 & under ... ... ...	2	6.45	2	—	—	—
21 — 25 ... ... ...	8	25.81	8	—	—	—
26 — 30 ... ... ...	12	38.71	12	—	1	1
31 — 35 ... ... ...	5	16.13	5	—	—	—
36 — 40 ... ... ...	2	6.45	2	—	—	—
41 & over ... ... ...	2	6.45	2	—	—	—
Total ... ... ...	31	100	31	—	1	1

PARITY:—

Para 0 ... ... ... ...	20	64.52	20	—	—	—
Para 1 ... ... ... ...	3	9.68	3	—	1	1
Para 2 & over ... ... ...	8	25.81	8	—	—	—
Total ... ... ...	31	100	31	—	1	1

TABLE 1 (Continued)

PULMONARY TUBERCULOSIS

		Active	Non-active
Total No. of cases	...	96	219
Booked	...	95	216
Non-booked	...	1	3
Primiparae	...	47	81
Multiparae	...	49	138
Maternal deaths	...	—	—
S. B.	...	1 (0.32%)	—
N. N. D.	...	1 (0.32%)	—
P. N. D.	...	2 (0.64%)	—

PRE - DIABETES

Total No. of cases	...	2
Booked	...	1
Non-booked	...	1
Primiparae	...	—
Multiparae	...	2
Maternal deaths	...	—
S. B.	...	—
N. N. D.	...	—
P. N. D.	...	—

AGE GROUP.—

	No. of cases	Per- centage	Maternal deaths	No. of live births	S. B.	N.N.D.	P.N.D.
20 & under	...	—	—	—	—	—	—
21 — 25	...	—	—	—	—	—	—
26 — 30	...	—	—	—	—	—	—
31 — 35	...	1	50	—	1	—	—
36 — 40	...	1	50	—	1	—	—
41 & over	...	—	—	—	—	—	—
Total	...	2	100	—	2	—	—

PARITY:—

Para 0	...	—	—	—	—	—	—
Para 1	...	—	—	—	—	—	—
Para 2 & over	...	2	100	—	2	—	—
Total	...	2	100	—	2	—	—

METHOD OF DELIVERY:—

Vacuum extraction	...	1	50	—	1	—	—
L. S. C. S.	...	1	50	—	1	—	—
Total	...	2	100	—	2	—	—

TABLE 1 (Continued)  
DIABETES MELLITUS

Total No. of cases	...	...	...	...	...	...	...	...	...	...	...	...	5
Booked	...	.	...	...	...	...	...	...	...	...	...	...	4
Non-booked	...	...	...	...	...	...	...	...	...	...	...	...	1
Primiparae	...	...	...	...	...	...	...	...	...	...	...	...	1
Multiparae	...	...	...	...	...	...	...	...	...	...	...	...	4
Maternal deaths	...	...	...	...	...	...	...	...	...	...	...	...	—
S. B.	...	...	...	...	...	...	...	...	...	...	...	...	—
N. N. D.	...	...	...	...	...	...	...	...	...	...	...	...	—
P. N. D.	...	...	...	...	...	...	...	...	...	...	...	...	—

AGE GROUP.—

		No. of cases	Per-cent age	Maternal deaths	No. of live births	S. B.	N.N.D.	P.N.D.
20 & under	...	...	—	—	—	—	—	—
21 — 25	...	...	1	20	—	1	—	—
26 — 30	...	...	1	20	—	1	—	—
31 — 35	...	...	2	40	—	2	—	—
36 — 40	...	...	1	20	—	1	—	—
41 & over	...	...	—	—	—	—	—	—
Total	...	...	5	100	—	5	—	—

PARITY:—

		No. of cases	Per-cent age	Maternal deaths	No. of live births	S. B.	N.N.D.	P.N.D.
Para 0	...	...	1	20	—	1	—	—
Para 1	...	...	1	20	—	1	—	—
Para 2 & over	...	...	3	60	—	3	—	—
Total	...	...	5	100	—	5	—	—

METHOD OF DELIVERY:—

		No. of cases	Per-cent age	Maternal deaths	No. of live births	S. B.	N.N.D.	P.N.D.
Spontaneous	...	...	2	40	—	2	—	—
Vacuum extraction	...	1	20	—	1	—	—	—
L. S. C. S.	...	...	2	40	—	2	—	—
Total	...	...	5	100	—	5	—	—

TABLE 1 (Continued)

## **THYROTOXICOSIS**

TABLE 2

## **ABORTION**

TABLE 3

CARDIAC DISEASE

Total No. of cases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	80*
Booked	...	...	...	...	...	...	...	...	...	...	...	...	...	...	76
Non-booked	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Primiparae	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25
Multiparae	...	...	...	...	...	...	...	...	...	...	...	...	...	...	55
Incidence	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.41%
Total No. of babies	...	...	...	...	...	...	...	...	...	...	...	...	...	...	79x
Multiple pregnancies	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1*
Maternal deaths	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2*(2.50%)
S.B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—
N.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—
P.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—

ANATOMICAL LESIONS:—

A. Rheumatic heart disease	...	...	...	...	...	...	...	...	...	...	...	...	...	...	59
(a) Mitral lesion	...	...	...	...	...	...	...	...	...	...	...	...	...	...	54
(b) Mitral and aortic lesions	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
(c) Aortic lesion	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
B. Congenital heart disease	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13*
C. Others	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8

\* One case of twin pregnancy died undelivered.

x Including 1 B.B.A. baby.

**CARDIAC DISEASE (Continued)**

**AGE GROUP:—**

	<i>No. of babies</i>	<i>Per-cent-age</i>	<i>Maternal deaths</i>	<i>No. of live births</i>	<i>S.B.</i>	<i>N.N.D.</i>	<i>P.N.D.</i>
20 & under ... ... ...	3	3.75	—	3	—	—	—
21 — 25 ... ... ...	13	16.25	1	13	—	—	—
26 — 30 ... ... ...	30	37.50	—	30	—	—	—
31 — 35 ... ... ...	21*	26.25	1*	20	—	—	—
36 — 40 ... ... ...	11	13.75	—	11	—	—	—
41 & over ... ... ...	2	2.50	—	2	—	—	—
Total ... ... ...	80*	100	2*	79	—	—	—

**PARITY:—**

Para 0 ... ... ... ...	25	31.25	1	25	—	—	—
Para 1 ... ... ... ...	16*	20.00	1*	15	—	—	—
Para 2 & over ... ...	39	48.75	—	39	—	—	—
Total ... ... ...	80*	100	2*	79	—	—	—

**METHOD OF DELIVERY:—**

Spontaneous... ... ...	41	51.90	—	41	—	—	—
Vacuum extraction ...	16	20.25	—	16	—	—	—
Forceps ... ... ...	12	15.19	—	12	—	—	—
Assisted breech ... ...	2	2.53	—	2	—	—	—
L.S.C.S. ... ... ...	8	10.13	1	8	—	—	—
Total ... ... ...	79	100	1	79	—	—	—

**FUNCTIONAL GRADING:—**

	<i>No. of cases</i>
Class I ... ... ... ...	51
Class II ... ... ... ...	17*
Class III ... ... ... ...	5
Class IV ... ... ... ...	1
Unknown ... ... ... ...	6
Deterioration during pregnancy ... ... ... ...	8*
Post-valvotomy ... ... ... ...	3

\* One case of twin pregnancy died undelivered.

TABLE 4

TOXAEMIA OF PREGNANCY

Total No. of cases	...	...	...	...	...	...	...	...	...	545
Incidence	...	...	...	...	...	...	...	...	...	9.80%
Total No. of babies	...	...	...	...	...	...	...	...	...	568*
Multiple pregnancies	...	...	...	...	...	...	...	...	...	23
Maternal deaths	...	...	...	...	...	...	...	...	...	2 ( 0.37%)
S.B.	...	...	...	...	...	...	...	...	...	10 ( 1.76%)
N.N.D.	...	...	...	...	...	...	...	...	...	10 ( 1.79%)
P.N.D.	...	...	...	...	...	...	...	...	...	19 ( 3.35%)

BOOKED AND NON-BOOKED:—

	No. of babies	Per-cent	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked	...	...	1	497	7	7	13
Non-booked	...	...	1	61	3	3	6
Total	...	...	2	558	10	10	19

Type of Toxaemia:—

	No. of cases	Percentage amongst toxaemia
Pre-eclampsia	...	15.23
Eclampsia	...	0.73
Unclassified toxaemia 'A'	...	60.00
Unclassified toxaemia 'B'	...	18.53
Recurrent toxaemia	...	3.67
Essential hypertension	...	0.92
Chronic nephritis	...	0.92

Definition:—

Pre-eclampsia—B.P. 135/85 and over with oedema and/or albuminuria 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 130/90 mm. Hg.

\* Including 2 B.B.A. cases.

TABLE 5

PRE-ECLAMPSIA

Total No. of cases ... ... ... ... ... ... ... ... ...	83
Mild ... ... ... ... ... ... ... ...	74
Severe ... ... ... ...	9
Incidence:—Overall ... ... ... ... ... ... ...	1.49%
Among toxæmia ... ... ... ...	15.23%
Total No. of babies ... ... ... ... ...	86
Multiple pregnancies ... ... ... ...	3
Maternal deaths ... ... ... ...	1 ( 1.20%)
S.B. ... ... ... ...	1 ( 1.16%)
N.N.D. ... ... ... ...	—
P.N.D. ... ... ... ...	1 ( 1.16%)

BOOKED AND NON-BOOKED:—

	No. of cases	Per-cent	Maternal deaths	S.B.	N.N.D.	P.N.D.
Booked ... ... ...	79	95.18	1	1	—	1
Non-booked ... ... ...	4	4.82	—	—	—	—
Total ... ... ...	83	100	1	1	—	1

AGE GROUP:—

20 & under ... ... ...	9	10.84	—	1	—	1
21 — 25 ... ... ...	14	16.87	—	—	—	—
26 — 30 ... ... ...	37	44.58	—	—	—	—
31 — 35 ... ... ...	13	15.66	1	—	—	—
36 — 40 ... ... ...	8	9.64	—	—	—	—
41 & over ... ... ...	2	2.41	—	—	—	—
Total ... ... ...	83	100	1	1	—	1

**PRE - ECLAMPSIA (Continued)**

**PARITY:—**

		No. of cases	Per centage	Maternal deaths	S.B.	N.N.D.	P.N.D.
Para 0	... ... ... ...	69	83.13	1	1	—	1
Para 1	... ... ... ...	4	4.82	—	—	—	—
Para 2 & over...	... ...	10	12.05	—	—	—	—
Total	... ... ...	83	100	1	1	—	1

**METHOD OF DELIVERY:—**

		No. of babies	Per centage	Maternal deaths	S.B.	N.N.D.	P.N.D.
Spontaneous	... ... ...	33	38.37	—	—	—	—
Vacuum extraction	... ...	21	24.42	—	—	—	—
Forceps	... ... ...	3	3.49	—	—	—	—
Breech	... ... ...	3	3.49	—	1	—	1
Caesarean section	... ...	26	30.23	1	—	—	—
Total	... ... ...	86	100	1	1	—	1

**CLASSIFICATION:—**

Mild — B.P. 135/85 to 160/100 mm. Hg.

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

PRE-ECLAMPSIA (Continued)

METHOD OF DELIVERY & FOETAL LOSS

		Mild		Severe						
		Total No. of babies	No. of babies	S. B.	N.N.D.	P.N.D.	No. of babies	S. B.	N.N.D.	P.N.D.
<b>PRIMIPARAEE</b>										
(A) Spontaneous labour		46	41	—	—	—	5	1	—	1
(1) Spont. Vertex delivery	...	...	...	11	11	—	—	—	—	—
(2) Vacuum extraction	...	...	...	12	11	—	—	—	—	—
(3) Forceps "	...	...	...	4	4	—	—	—	—	—
(4) Assisted breech delivery	...	...	...	1	—	—	—	1	1	1
(5) C.S.	...	...	...	18	15	—	—	3	—	—
Total	...	26	25	—	—	—	1	—	—	—
(B) Induced labour		—	—	—	—	—	—	—	—	—
(1) Spont. Vertex delivery	...	...	...	10	10	—	—	—	—	—
(2) Vacuum extraction	...	...	...	9	8	—	—	1	—	—
(3) Forceps "	...	...	...	—	—	—	—	—	—	—
(4) Assisted breech delivery	...	...	...	1	1	—	—	—	—	—
(5) C.S.	...	...	...	6	6	—	—	—	—	—
Total	...	72	66	—	—	—	6	1	—	1
<b>MULTIPARAEE</b>										1
(A) Spontaneous labour		9	8	—	—	—	1	—	—	—
(1) Spont. Vertex delivery	...	...	...	—	—	—	—	—	—	—
(2) Vacuum extraction	...	...	...	—	—	—	—	—	—	—
(3) Forceps "	...	...	...	—	—	—	—	—	—	—
(4) Assisted breech delivery	...	...	...	1	1	—	—	—	—	—
(5) C.S.	...	...	...	—	—	—	—	—	—	—
Total	...	5	3	—	—	—	2	—	—	—
(B) Induced labour		—	—	—	—	—	—	—	—	—
(1) Spont. Vertex delivery	...	...	...	—	—	—	—	2	—	—
(2) Vacuum extraction	...	...	...	—	—	—	—	—	—	—
(3) Forceps "	...	...	...	—	—	—	—	—	—	—
(4) Assisted breech delivery	...	...	...	—	—	—	—	—	—	—
(5) C.S.	...	...	...	—	—	—	—	—	—	—
Total	...	14	11	—	—	—	3	—	—	—
GRAND TOTAL	...	...	...	...	...	...	...	9	1	1

PRE-ECLAMPSIA (Continued)

BIRTH WEIGHT & FOETAL LOSS:—

	<i>Birth weight (grams)</i>	<i>No. of babies</i>	<i>S.B.</i>	<i>N.N.D.</i>	<i>P.N.D.</i>
(A) Spontaneous labour ... ... ...	55	1	—	1	
Under 1,500 ... ... ...	—	—	—	—	
1,501 — 2,000 ... ... ...	1	—	—	—	
2,001 — 2,500 ... ... ...	8	—	—	—	
2,501 — 3,000 ... ... ...	19	—	—	—	
3,001 — 3,500 ... ... ...	23	1	—	1	
3,501 — 4,000 ... ... ...	4	—	—	—	
4,001 & over ... ... ...	—	—	—	—	
(B) Induced labour ... ... ...	31	—	—	—	
Under 1,500 ... ... ...	—	—	—	—	
1,501 — 2,000 ... ... ...	—	—	—	—	
2,001 — 2,500 ... ... ...	3	—	—	—	
2,501 — 3,000 ... ... ...	13	—	—	—	
3,001 — 3,500 ... ... ...	10	—	—	—	
3,501 — 4,000 ... ... ...	5	—	—	—	
4,001 & over ... ... ...	—	—	—	—	
Total ... ... ...	86	1	—	1	

INDICATIONS FOR C.S.:—

	<i>No. of cases</i>
Foetal distress ... ... ...	7
Contracted pelvis ... ... ...	7
Antepartum haemorrhage ... ... ...	2
Prolapse of cord ... ... ...	1
Uterine inertia ... ... ...	1
Others ... ... ...	7
Total ... ... ...	25

TABLE 6

ECLAMPSIA

Total No. of cases	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Incidence:—Overall	...	...	...	...	...	...	...	...	...	...	...	...	...	0.07%
Among toxæmia	...	...	...	...	...	...	...	...	...	...	...	...	...	0.73%
Total No. of babies	...	...	...	...	...	...	...	...	...	...	...	...	...	5*
Multiple pregnancies	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Maternal deaths	...	...	...	...	...	...	...	...	...	...	...	...	...	—
S.B.	...	...	...	...	...	...	...	...	...	...	...	...	...	—
N.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	...	2 (40%)
P.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	...	2 (40%)

BOOKED AND NON-BOOKED:—

	No. of cases	Per-cent-age	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked	...	...	...	1	25	—	—
Non-booked	...	...	...	3	75	—	2
Total	...	...	...	4	100	—	2

AGE GROUP:—

	No. of cases	Per-cent-age	Maternal deaths	S.B.	N.N.D.	P.N.D.
20 & under	...	...	1	25	—	—
21 — 25	...	...	1	25	—	2
26 — 30	...	...	1	25	—	—
31 — 35	...	...	—	—	—	—
36 — 40	...	...	—	—	—	—
41 & over	...	...	1	25	—	—
Total	...	...	4	100	—	2

PARITY:—

Para 0	...	...	2	50	—	—	2	2
Para 1	...	...	—	—	—	—	—	—
Para 2 & over	...	...	2	50	—	—	—	—
Total	...	...	4	100	—	—	2	2

METHOD OF DELIVERY:—

Spontaneous	...	...	1	20	—	—	—	—
Vacuum extraction	...	...	2	40	—	—	—	—
Caesarean section...	...	...	2	40	—	—	2	2
Total	...	...	5	100	—	—	2	2

\* Including 1 B.B.A. baby.

TABLE 7

UNCLASSIFIED TOXAEMIA 'A'

Total No. of cases	...	...	...	...	...	...	...	...	...	...	327
Incidence:—Overall	...	...	...	...	...	...	...	...	...	...	5.88%
Among toxæmia	...	...	...	...	...	...	...	...	...	...	60.00%
Total No. of babies	...	...	...	...	...	...	...	...	...	...	341*
Multiple pregnancies	...	...	...	...	...	...	...	...	...	...	15
Maternal deaths	...	...	...	...	...	...	...	...	...	...	—
S.B.	...	...	...	...	...	...	...	...	...	...	5(1.47%)
N.N.D.	...	...	...	...	...	...	...	...	...	...	5(1.49%)
P.N.D.	...	...	...	...	...	...	...	...	...	...	9(2.64%)

BOOKED AND NON-BOOKED.—

	No. of cases	Per-cent-age	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.	
Booked	...	292	89.30	—	297	3	4	6
Non-booked	...	35	10.70	—	39	2	1	3
Total	...	327	100	—	336	5	5	9

AGE GROUP:—

20 & under	...	26	7.95	—	26	—	—	—
21 — 25	...	77	23.55	—	81	—	1	1
26 — 30	...	74	22.63	—	79	—	1	—
31 — 35	...	73	22.32	—	74	3	1	4
36 — 40	...	54	16.52	—	53	2	2	4
41 & over	...	23	7.03	—	23	—	—	—
Total	...	327	100	—	336	5	5	9

PARITY:—

Para 0	...	128	39.14	—	132	—	2	1
Para 1	...	29	8.87	—	30	1	—	1
Para 2 & over	...	170	51.99	—	174	4	3	7
Total	...	327	100	—	336	5	5	9

\* Excluding 1 B.B.A. first twin who was not admitted.

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.
<b>PRIMIPARAE</b>								
(A) Spontaneous labour ... 104	—	1	—	—	10	—	1	1
(1) Spont. Vertex delivery 48	—	—	—	—	2	—	—	—
(2) Vacuum extraction ... 25	—	—	—	—	2	—	—	—
(3) Forceps ... ... ... 8	—	1	—	—	1	—	—	—
(4) Breech delivery ... 4	—	—	—	—	—	—	—	—
(5) C.S. ... ... ... 19	—	—	—	—	5	—	1	1
(B) Induced labour ... ... 61	—	—	—	—	—	—	—	—
(1) Spont. Vertex delivery 33	—	—	—	—	—	—	—	—
(2) Vacuum extraction ... 17	—	—	—	—	—	—	—	—
(3) Forceps ... ... ... 5	—	—	—	—	—	—	—	—
(4) Breech delivery ... 1	—	—	—	—	—	—	—	—
(5) C.S. ... ... ... 5	—	—	—	—	—	—	—	—
Total... ... ... 165	—	1	—	—	10	—	1	1
<b>MULTIPARAE</b>								
(A) Spontaneous labour ... 82	3	2	5	—	24	2	—	2
(1) Spont. Vertex delivery 45	1	—	1	—	14	—	—	—
(2) Vacuum extraction ... 9	1	—	1	—	1	—	—	—
(3) Forceps ... ... ... 6	—	—	—	—	4	1	—	1
(4) Breech delivery ... 7	1	1	2	—	2	—	—	—
(5) C.S. ... ... ... 15	—	1	1	—	3	1	—	1
(B) Induced labour... ... ... 53	—	1	1	—	7	—	—	—
(1) Spont. Vertex delivery 40	—	1	1	—	6	—	—	—
(2) Vacuum extraction ... 3	—	—	—	—	—	—	—	—
(3) Forceps ... ... ... 1	—	—	—	—	—	—	—	—
(4) Breech delivery ... —	—	—	—	—	—	—	—	—
(5) C.S. ... ... ... 9	—	—	—	—	1	—	—	—
Total ... ... ... 135	2	3	5	—	31	2	—	2
<b>GRAND TOTAL ... ... ... 300</b>	<b>3</b>	<b>4</b>	<b>6</b>	<b>—</b>	<b>41</b>	<b>2</b>	<b>1</b>	<b>3</b>

**UNCLASSIFIED TOXAEMIA 'A' (Continued)**

**BIRTH WEIGHT AND FOETAL LOSS:—**

	<i>Birth weight (grams)</i>	<i>No. of babies</i>	<i>S.B.</i>	<i>N.N.D.</i>	<i>P.N.D.</i>
(A) Spontaneous labour...	... ... ... ...	220	5	4	8
Under 1,500	... ... ... ...	2	—	—	—
1,501—2,000	... ... ... ...	4	—	1	—
2,001—2,500	... ... ... ...	25	2	2	4
2,501—3,000	... ... ... ...	72	2	—	2
3,001—3,500	... ... ... ...	85	—	1	1
3,501—4,000	... ... ... ...	28	—	—	—
4,001 & over	... ... ... ...	4	1	—	1
Unknown	... ... ... ...	—	—	—	—
(B) Induced labour	... ... ... ...	121	—	1	1
Under 1,500	... ... ... ...	—	—	—	—
1,501—2,000	... ... ... ...	—	—	—	—
2,001—2,500	... ... ... ...	9	—	—	—
2,501—3,000	... ... ... ...	56	—	—	—
3,001—3,500	... ... ... ...	43	—	1	1
3,501—4,000	... ... ... ...	9	—	—	—
4,001 & over	... ... ... ...	4	—	—	—
Unknown	... ... ... ...	—	—	—	—
Total	... ... ... ...	341	5	5	9

**INDICATIONS FOR C.S.:—**

		<i>No. of cases</i>
Contracted pelvis	... ... ... ...	28
Uterine inertia	... ... ... ...	4
Previous C.S.	... ... ... ...	3
C-P disproportion	... ... ... ...	3
Antepartum haemorrhage	... ... ... ...	3
Prolapse of cord	... ... ... ...	2
Failed induction	... ... ... ...	3
Others	... ... ... ...	10
Total:	... ... ... ...	53

TABLE 8

UNCLASSIFIED TOXAEMIA 'B'

Total No. of cases ... ... ... ... ... ... ... ... ... ... ... ... ... ...	101
Incidence:— Overall ... ... ... ... ... ... ... ... ... ... ... ... ...	1.82%
Among toxæmia ... ... ... ... ... ... ... ... ... ... ... ...	18.53%
Total No. of babies ... ... ... ... ... ... ... ... ... ... ... ...	105
Multiple pregnancies ... ... ... ... ... ... ... ... ... ... ...	4
Maternal deaths ... ... ... ... ... ... ... ... ... ... ...	1(0.99%)
S.B. ... ... ... ... ... ... ... ... ... ... ...	4(3.81%)
N.N.D. ... ... ... ... ... ... ... ... ... ...	1(0.99%)
P.N.D. ... ... ... ... ... ... ... ... ...	5(4.76%)

BOOKED AND NON-BOOKED—

	No. of cases	Per-cent	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked ... ... ...	82	81.19	—	81	3	1	4
Non-booked ... ...	19	18.81	1	20	1	—	1
Total ... ... ...	101	100	1	101	4	1	5

AGE GROUP:—

20 & under ... ... ...	2	1.98	—	2	—	—	—
21 — 25... ... ...	16	15.84	—	14	2	—	2
26 — 30... ... ...	8	7.93	—	8	—	—	—
31 — 35... ... ...	27	26.73	—	29	—	—	—
36 — 40... ... ...	33	32.67	—	33	1	1	2
41 & over ... ... ...	15	14.85	1	15	1	—	1
Total ... ... ...	101	100	1	101	4	1	5

PARITY:—

Para 0 ... ... ...	27	26.73	—	26	2	—	2
Para 1 ... ... ...	6	5.94	—	7	—	—	—
Para 2 & over ... ...	68	67.33	1	68	2	1	3
Total ... ... ...	101	100	1	101	4	1	5

UNCLASSIFIED TOXAEMIA 'B' (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.
<b>PRIMIPARAE</b>							
(A) Spontaneous labour ... 20	2	—	2	4	—	—	—
(1) Spont. Vertex delivery 7	—	—	—	1	—	—	—
(2) Vacuum extraction ... 6	—	—	—	1	—	—	—
(3) Forceps ... ... ... 1	—	—	—	—	—	—	—
(4) Breech delivery ... 2	1	—	1	1	—	—	—
(5) C.S. ... ... ... 4	1	—	1	1	—	—	—
(B) Induced labour ... ... 7	—	—	—	1	—	—	—
(1) Spont. Vertex delivery 3	—	—	—	1	—	—	—
(2) Vacuum extraction ... 2	—	—	—	—	—	—	—
(3) Forceps ... ... ... —	—	—	—	—	—	—	—
(4) Breech delivery ... —	—	—	—	—	—	—	—
(5) C.S. ... ... ... 2	—	—	—	—	—	—	—
Total ... ... ... ... 27	2	—	2	5	—	—	—
<b>MULTIPARAE</b>							
(A) Spontaneous labour ... 41	1	1	2	12	1	—	1
(1) Spont. Vertex delivery 31	1	1	2	9	1	—	1
(2) Vacuum extraction ... 6	—	—	—	3	—	—	—
(3) Forceps ... ... ... —	—	—	—	—	—	—	—
(4) Breech delivery ... 1	—	—	—	—	—	—	—
(5) C.S. ... ... ... 3	—	—	—	—	—	—	—
(B) Induced labour ... ... 16	—	—	—	4	—	—	—
(1) Spont. Vertex delivery 15	—	—	—	2	—	—	—
(2) Vacuum extraction ... —	—	—	—	—	—	—	—
(3) Forceps ... ... ... —	—	—	—	—	—	—	—
(4) Breech delivery ... —	—	—	—	2	—	—	—
(5) C.S. ... ... ... 1	—	—	—	—	—	—	—
Total ... ... ... ... 57	1	1	2	16	1	—	1
GRAND TOTAL ... ... ... 84	3	1	4	21	1	—	1

UNCLASSIFIED TOXAEMIA 'B' (Continued)

BIRTH WEIGHT AND FOETAL LOSS:—

	<i>Birth weight (grams)</i>	<i>No. of babies</i>	<i>S.B.</i>	<i>N.N.D.</i>	<i>P.N.D.</i>
(A) Spontaneous labour	... ... ... ...	77	4	1	5
Under 1,500	...	1	1	—	1
1,501—2,000	...	3	1	—	1
2,001—2,500	...	12	2	—	2
2,501—3,000	...	19	—	—	—
3,001—3,500	...	34	—	1	1
3,501—4,000	...	5	—	—	—
4,001 & over	...	3	—	—	—
(B) Induced labour	... ... ... ...	28	—	—	—
Under 1,500	...	—	—	—	—
1,501—2,000	...	—	—	—	—
2,001—2,500	...	5	—	—	—
2,501—3,000	...	9	—	—	—
3,001—3,500	...	12	—	—	—
3,501—4,000	...	2	—	—	—
4,001 & over	...	—	—	—	—
Total	... ... ... ...	105	4	1	5

INDICATIONS FOR C.S.:—

	<i>No. of cases</i>
Contracted pelvis	3
Labour following previous C.S.	2
Antepartum haemorrhage	2
C-P disproportion	1
Failed induction	1
Others	2
Total	11

TABLE 9

RECURRENT TOXAEMIA

Total No. of cases ...	... ... ... ... ...	20
Booked	... ... ... ... ...	19
Non-booked	... ... ... ... ...	1
Primiparae	... ... ... ... ...	—
Multiparae	... ... ... ... ...	20
Incidence :—Overall	... ... ... ... ...	0.36%
Among toxæmia	... ... ... ... ...	3.67%
Total No. of babies	... ... ... ... ...	20
Multiple pregnancies	... ... ... ... ...	—
Maternal deaths	... ... ... ... ...	—
S.B.	... ... ... ... ...	—
N.N.D.	... ... ... ... ...	—
P.N.D.	... ... ... ... ...	—

TABLE 10

ESSENTIAL HYPERTENSION

Total No. of cases ...	... ... ... ... ...	5
Booked	... ... ... ... ...	5
Non-booked	... ... ... ... ...	—
Primiparae	... ... ... ... ...	3
Multiparae	... ... ... ... ...	2
Incidence:—Overall...	... ... ... ... ...	0.09%
Among toxæmia	... ... ... ... ...	0.92%
Total No. of babies	... ... ... ... ...	5
Multiple pregnancies	... ... ... ... ...	—
Maternal deaths	... ... ... ... ...	—
S.B.	... ... ... ... ...	—
N.N.D.	... ... ... ... ...	1 (20%)
P.N.D.	... ... ... ... ...	1 (20%)

TABLE 11

CHRONIC NEPHRITIS

Total No. of cases ...	5
Booked ...	4
Non-booked ...	1
Primiparae ...	1
Multiparae ...	4
Incidence:—Overall ...	0.09%
Among toxæmia ...	0.92%
Total No. of babies ...	5
Multiple pregnancies ...	—
Maternal deaths ...	—
S.B. ...	—
N.N.D. ...	1(20%)
P.N.D. ...	1(20%)

TABLE 12

PERSISTENT POSTERIOR POSITION OF THE OCCIPUT  
AND TRANSVERSE ARREST

Total No. of cases	...	...	...	...	...	...	...	...	...	...	...	...	...	226
Incidence	...	...	...	...	...	...	...	...	...	...	...	...	...	4.02 %
Total No. of babies	...	...	...	...	...	...	...	...	...	...	...	...	...	227
Multiple pregnancies	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Maternal deaths	...	...	...	...	...	...	...	...	...	...	...	...	...	—
S.B.	...	...	...	...	...	...	...	...	...	...	...	...	...	1 (0.44%)
N.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	...	1 (0.44%)
P.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	...	2 (0.88%)

BOOKED AND NON-BOOKED:—

	No. of cases	Per-cent-age	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.	
Booked	...	200	88.50	—	200	1	—	1
Non-booked	...	26	11.50	—	26	—	1	1
Total	...	226	100	—	226	1	1	2

SUMMARY OF LABOUR:—

	No. of cases
Labour lasting more than 24 hours	...

Labour lasting more than 24 hours     ...     ...     ...     ...     ...     ...     ...     ...     11

METHOD OF DELIVERY:—

Spontaneous delivery (face to pubes)	...	...	...	...	...	...	...	24
Vacuum extraction	...	...	...	...	...	...	...	107
Forceps	...	...	...	...	...	...	...	18
Caesarean section	...	...	...	...	...	...	...	78
Total	...	...	...	...	...	...	...	227

TABLE 13

BREECH DELIVERIES

Total No. of cases	...	...	...	...	...	...	...	...	...	...	...	...	...	250
Booked	...	...	...	...	...	...	...	...	...	...	...	...	...	216
Non-booked	...	...	...	...	...	...	...	...	...	...	...	...	...	34
Primiparae	...	...	...	...	...	...	...	...	...	...	...	...	...	100
Multiparae	...	...	...	...	...	...	...	...	...	...	...	...	...	150
Single pregnancies	...	...	...	...	...	...	...	...	...	...	...	...	...	213
Multiple pregnancies	...	...	...	...	...	...	...	...	...	...	...	...	...	37
Maternal deaths	...	...	...	...	...	...	...	...	...	...	...	...	...	—
Total No. of babies	...	...	...	...	...	...	...	...	...	...	...	...	...	255*
Incidence	...	...	...	...	...	...	...	...	...	...	...	...	...	4 53%
Caesarean section	...	...	...	...	...	...	...	...	...	...	...	...	...	93
Caesarean section rate	...	...	...	...	...	...	...	...	...	...	...	...	...	36.47%

\* There are 5 sets of twins in which the presentations were breech: breech

BREECH DELIVERIES (Continued)

UNCOMPLICATED BREECH DELIVERIES

Total No. of cases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	105
Maternal deaths	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—
S.B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—
N.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—
P.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—

BOOKED AND NON-BOOKED:—

	No. of cases	Per-cent	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked	...	96	91.43	—	96	—	—
Non-booked	...	9	8.57	—	9	—	—
Total	...	105	100	—	105	—	—

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.	P.N.D.
Spontaneous	...	...	4	—	—	—	1	—	—
Assisted	...	...	27	—	—	—	2	—	—
Assisted with forceps for									
A.C.H.	...	...	45	—	—	—	7	—	—
Breech extraction	...	...	1	—	—	—	—	—	—
C.S.	...	...	12	—	—	—	6	—	—
Total	...	...	89	—	—	—	16	—	—

Caesarean section rate ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... 17.14%

## BREECH DELIVERIES (Continued)

### COMPLICATED BREECH DELIVERIES

Total No. of cases	...	...	...	...	...	...	...	...	...	...	...	...	145
Twin pregnancies	...	...	...	...	...	...	...	...	...	...	...	...	37*
Total No. of babies	...	...	...	...	...	...	...	...	...	...	...	...	150
Maternal deaths	...	...	...	...	...	...	...	...	...	...	...	...	—
S.B.	...	...	...	...	...	...	...	...	...	...	...	...	12 ( 8.00%)
N.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	12 ( 8.70%)
P.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	24 (16.00%)

### BOOKED AND NON-BOOKED.—

	No. of cases	Per-cent	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked	...	...	—	112	9	9	18
Non-booked	...	...	—	26	3	3	6
Total	...	145	100	—	138	12	24

### METHOD OF DELIVERY AND FOETAL RESULT

	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	...	10	3	2
Forceps for A.C.H.	...	34	2	1
Assisted	...	27	3	3
Extraction	...	4	1	1
C.S.	...	75	3	5
Total	...	150	12	12

Caesarean section rate    ...    ...    ...    ...    ...    ...    ...    ...    ...    ...    ...    ...    49.67%

### ASSOCIATED COMPLICATIONS:—

	No. of cases
Prematurity	...
Contracted pelvis	...
Toxaemia	...
Prolapse of cord	...
Twin pregnancy	...
Placenta praevia	...
Hydramnios	...
Accidental haemorrhage	...
Prolonged labour	...
A.P.H. of unknown origin	...
Uterine dysfunction	...

\* There are 5 sets of twins in which presentations were breech: breech

TABLE 14

**TRANSVERSE AND OBLIQUE LIE  
(in labour)**

Total No. of cases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24
Incidence	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.43%
Total No. of babies	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24
Multiple pregnancies	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
Maternal deaths	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—
S.B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3(12.50%)
N.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1( 4.76%)
P.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4(16.67%)

**BOOKED AND NON-BOOKED:—**

	No. of cases	Per-cent-age	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.		
Booked	...	...	17	70.83	—	15	2	1	3
Non-booked	...	...	7	29.17	—	6	1	—	1
Total	...	...	24	100	—	21	3	1	4

**MANAGEMENT AND FOETAL LOSS:—**

Method of delivery	No. of cases	S.B.	N.N.D.	P.N.D.	
Spont. delivery	...	2	1	—	1
External version	...	2	—	—	—
Internal version & breech extraction	...	4	—	—	—
L.S.C.S.	...	12	1	—	1
C.C.S.	...	4	1	1	2
Total	...	24	3	1	4

**ASSOCIATED CONDITIONS AND FOETAL LOSS:—**

Associated conditions	No. of cases	S.B.	N.N.D.	P.N.D.
Multiple pregnancy	...	7	—	—
Prematurity	...	1	—	1
Placenta praevia	...	1	1	—
Prolapse of cord	...	3	1	—
Contracted pelvis	...	1	—	—
Toxaemia	...	3	1	—
Multiple congenital malformations of genito-urinary tract	...	1	—	—

TABLE 15

FACE AND BROW PRESENTATION

Total No. of cases	...	...	...	...	...	...	...	...	...	...	7
Incidence	...	...	...	...	...	...	...	...	...	...	0.12%
Total No. of babies	...	...	...	...	...	...	...	...	...	...	7
Multiple pregnancies	...	...	...	...	...	...	...	...	...	...	—
Maternal deaths	...	...	...	...	...	...	...	...	...	...	—
S.B.	...	...	...	...	...	...	...	...	...	...	—
N.N.D.	...	...	...	...	...	...	...	...	...	...	2 (28.57%)
P.N.D.	...	...	...	...	...	...	...	...	...	...	2 (28.57%)

BOOKED AND NON-BOOKED.—

	No. of cases	Per-cent-age	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked	...	6	85.72	—	6	—	2
Non-booked	...	1	14.28	—	1	—	—
Total	...	7	100	—	7	—	2

MANAGEMENT AND FOETAL LOSS.—

Method of delivery	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	...	3	—	1
C.S.	...	4	—	1
Total	...	7	—	2

ASSOCIATED CONDITIONS AND FOETAL LOSS.—

Associated conditions	No. of babies	S.B.	N.N.D.	P.N.D.
Contracted pelvis	...	1	—	—
Anencephaly and hydranmios	...	2	—	2
Total	...	3	—	2

TABLE 16

COMPOUND PRESENTATION

Total No. of cases	...	...	...	...	...	...	...	...	...	...	...	...	7
Incidence	...	...	...	...	...	...	...	...	...	...	...	...	0.12%
Total No. of babies	...	...	...	...	...	...	...	...	...	...	...	...	7
Multiple pregnancies	...	...	...	...	...	...	...	...	...	...	...	...	1
Maternal deaths	...	...	...	...	...	...	...	...	...	...	...	...	—
S.B.	...	...	...	...	...	...	...	...	...	...	...	...	—
N.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	—
P.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	—

BOOKED AND NON-BOOKED:—

	No. of cases	Per-cent	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked	...	5	71.43	—	5	—	—
Non-booked	...	2	28.57	—	2	—	—
Total	...	7	100	—	7	—	—

MANAGEMENT AND FOETAL LOSS:—

Method of delivery	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	...	4	—	—
Low forceps	...	1	—	—
Breech extraction	...	1	—	—
L.S.C.S.	...	1	—	—
Total	...	7	—	—

ASSOCIATED CONDITIONS:—

	No. of cases	
Contracted pelvis	...	1
Toxaemia	...	2
Version in labour	...	1
Labour following previous C.S.	...	1

TABLE 17

PROLAPSE AND PRESENTATION OF CORD

Total No. of cases	...	...	...	...	...	...	...	...	...	...	...	...	34
Incidence	...	...	...	...	...	...	...	...	...	...	...	...	0.60%
Total No. of babies	...	...	...	...	...	...	...	...	...	...	...	...	34
Multiple pregnancies	...	...	...	...	...	...	...	...	...	...	...	...	4
Maternal deaths	...	...	...	...	...	...	...	...	...	...	...	...	—
S.B.	...	...	...	...	...	...	...	...	...	...	...	...	3 ( 8.28%)
N.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	1 ( 3.23%)
P.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	4 (11.76%)

BOOKED AND NON-BOOKED.—

	No. of cases	Per-centage	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.	
Booked	...	26	75.76	—	23	3	—	3
Non-booked	...	8	24.24	—	8	—	1	1
Total	...	34	100	—	31	3	1	4

PRESENTATION AND FOETAL LOSS:—

Presentation	No. of babies	S.B.	N.N.D.	P.N.D.
Vertex	...	13	—	—
Breech	...	18	2	1
Transverse lie	...	3	1	—
Total	...	34	3	1

MANAGEMENT AND FOETAL LOSS:—

Method of delivery	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	...	3	1	—
Forceps	...	1	—	—
Breech extraction	...	2	—	—
Assisted breech	...	11	1	1
L.S.C.S.	...	15	—	—
C.C.S.	...	2	1	—
Total	...	34	3	1

TABLE 18  
HYDRAMNIOS

Total No. of cases	...	...	...	...	...	...	...	...	...	...	...	...	...	16
Incidence	...	...	...	...	...	...	...	...	...	...	...	...	...	0.28%
Total No. of babies	...	...	...	...	...	...	...	...	...	...	...	...	...	16
Multiple pregnancies	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Maternal deaths	...	...	...	...	...	...	...	...	...	...	...	...	...	—
S.B.	...	...	...	...	...	...	...	...	...	...	...	...	...	5 (31.25%)
N.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	...	5 (45.45%)
P.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	...	9 (56.25%)

ASSOCIATED FOETAL ABNORMALITIES:—

	<i>No. of cases</i>
Anomalies of limbs	2
Anomalies of lip and palate	1
Anomalies of gastro-intestinal tract	4
Anomalies of respiratory tract	1
Anomalies of genito-urinary tract	1
Other anomalies	3

TABLE 19

**PROLONGED LABOUR**

(Labour lasting for more than 24 hours)

Total No. of cases	...	...	...	...	...	...	...	...	...	...	...	...	33
Incidence	...	...	...	...	...	...	...	...	...	...	...	...	0.59%
Total No. of babies	...	...	...	...	...	...	...	...	...	...	...	...	34
Multiple pregnancies	...	...	...	...	...	...	...	...	...	...	...	...	1
Maternal deaths	...	...	...	...	...	...	...	...	...	...	...	...	—
S.B.	...	...	...	...	...	...	...	...	...	...	...	...	—
N.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	1 (2.94%)
P.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	1 (2.94%)

**BOOKED AND NON-BOOKED:**—

	No. of cases	Per-cent	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked	...	22	66.67	—	22	—	—
Non-booked	...	11	33.33	—	12	—	1
Total	...	33	100	—	34	—	1

**AGE GROUP AND FOETAL LOSS:**—

Age group (years)	No. of cases	S.B.	N.N.D.	P.N.D.
20 & under	...	5	—	—
21 — 25	...	11	—	—
26 — 30	...	8	—	1
31 — 35	...	5	—	—
36 & over	...	4	—	—
Total	...	33	—	1

**METHOD OF DELIVERY AND FOETAL LOSS:**—

Method of delivery	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous	...	10	—	—
Vacuum extraction	...	9	—	—
Low forceps	...	1	—	—
Assisted breech delivery	...	1	—	—
Breech extraction	...	1	—	—
C.S.	...	12	—	1
Total	...	34	—	1

**DURATION OF LABOUR AND OUTCOME:**—

Duration of labour (hours)	No. of cases	S.B.	N.N.D.	P.N.D.
> 24	...	28	—	1
> 36	...	4	—	—
> 48	...	1	—	—
Total	...	33	—	1

TABLE 20

## LABOUR FOLLOWING PREVIOUS CAESAREAN SECTION

Total No. of cases ...	147
Total No. of babies ...	147
Multiple pregnancies ...	—
Maternal deaths ...	—
S.B. ....	1 (0.68%)
N.N.D. ....	1 (0.68%)
P.N.D. ....	2 (1.36%)

## BOOKED AND NON-BOOKED.—

	No. of cases	Per-cent-age	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked ...	142	96.60	—	141	1	1	2
Non-booked ...	5	3.40	—	5	—	—	—
Total ...	147	100	—	146	1	1	2

## METHOD OF DELIVERY:—

	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous ...	64	1	1	2
Vacuum extraction ...	48	—	—	—
Forceps ...	7	—	—	—
Assisted breech ...	2	—	—	—
C.S. ....	26	—	—	—
Total ...	147	1	1	2

TABLE 21

## INDUCTION OF LABOUR

#### **BOOKED AND NON-BOOKED:-**

	<i>No. of cases</i>	<i>Per-cent</i>	<i>Maternal deaths</i>	<i>No. of live births</i>	<i>S.B.</i>	<i>N N D.</i>	<i>P N D.</i>
Booked	... ... ...	283	92.79	—	283	—	6
Non-booked	... ...	22	7.21	1	22	1	—
Total	... ...	305	100	1	305	1	6
							7

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

	No. of cases
Postmaturity (42 weeks or more) ... ... ... ... ...	75
Diabetes mellitus . . . . .	1
Toxaemia of pregnancy ... ... ... ... ...	190
Contracted pelvis ... . . . . .	26
Accidental haemorrhage ... . . . . .	9
Placenta praevia ... . . . . .	4
A.P.H. of unknown origin ... . . . . .	9
A.P.H. of extraplacental causes ... . . . . .	2

### METHOD OF INDUCTION:—

## INDUCTION OF LABOUR (Continued)

### MEDICAL INDUCTION

#### PARITY:—

	No. of cases	Per-cent	Maternal deaths	S.B.	N.N.D.	P.N.D.
Para 0 ... ... ...	10	66.67	—	—	1	1
Para 1 ... ... ...	3	20.00	—	—	1	1
Para 2 & over ... ...	2	13.33	1	1	—	1
Total ... ... ...	15	100	1	1	2	3

#### METHOD OF DELIVERY:—

	No. of babies	Per-cent	Maternal deaths	S.B.	N.N.D.	P.N.D.
Spontaneous ... ...	7	46.67	1	1	1	2
Vacuum extraction ...	2	13.33	—	—	1	1
Forceps ... ... ...	1	6.67	—	—	—	—
Assisted breech ... ...	1	6.67	—	—	—	—
L.S.C.S. ... ... ...	4	26.66	—	—	—	—
Total ... ... ...	15	100	1	1	2	3

### SURGICAL INDUCTION

#### PARITY:—

	No. of cases	Per-cent	Maternal deaths	S.B.	N.N.D.	P.N.D.
Para 0 ... ... ...	123	45.56	—	—	1	1
Para 1 ... ... ...	36	13.33	—	—	1	1
Para 2 & over ... ...	111	41.11	—	—	1	1
Total ... ... ...	270	100	—	—	3	3

#### METHOD OF DELIVERY:—

	No. of babies	Per-cent	Maternal deaths	S.B.	N.N.D.	P.N.D.
Spontaneous ... ...	174	64.21	—	—	2	2
Vacuum extraction ...	43	15.87	—	—	—	—
Forceps ... ... ...	7	2.58	—	—	—	—
Assisted breech ... ...	6	2.21	—	—	—	—
C.S. ... ... ... ...	41	15.13	—	—	1	1
Total ... ... ...	271	100	—	—	3	3

TAELE 22

## VACUUM EXTRACTION

#### **BOOKED AND NON-BOOKED:—**

	No. of cases	Per-cent-age	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked ... ... ...	568	91.47	—	567	2	1	3
Non-booked ... ... ...	53	8.53	1	53	—	—	—
Total ... ... ...	621	100	1	620	2	1	3

### **PARITY:-**

	No. of cases	Per-cent-age	Maternal deaths	S.B.	N.N.D.	P.N.D.
Para 0 ... ... ...	430	69.24	—	1	1	2
Para 1 ... ... ...	74	11.92	—	—	—	—
Para 2 & over ... ...	117	18.84	1	1	—	1
Total ... ... ...	621	100	1	2	1	3

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

	No. of cases
Prolonged second stage	182
Foetal distress	134
P.O.P. and P.O.T.	106
Toxaemia	100
Contracted pelvis	53
Previous C.S.	48
Pulmonary tuberculosis	22
A.P.H.	13
Cardiac disease	16
Prolonged first stage (> 24 hours)	10
Other medical diseases	9
Maternal distress	7
Uterine inertia	5
Failed forceps	2
Prolapse of cord	1

TABLE 23

## FORCEPS DELIVERIES

Total No. of cases	196
Incidence	3.54%
Total No. of babies	199
Multiple pregnancies	19*
Maternal deaths	1(0.51%)
S.B.	2(1.01%)
N.N.D.	4(2.03%)
P.N.D.	5(2.51%)

## BOOKED AND NON-BOOKED:—

	No. of cases	Per-cent-age	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked	175	89.29	—	177	1	4	4
Non-booked	21	10.71	1	20	1	—	1
Total	196	100	1	197	2	4	5

## PARITY:—

Para 0	117	59.69	—	117	—	2	1
Para 1	30	15.31	—	31	—	—	—
Para 2 & over	49	25	—	49	2	2	4
Total	196	100	—	197	2	4	5

## TYPE OF FORCEPS AND FOETAL LOSS:—

Type of forceps	Foetal loss	Primiparae				Multiparae			
		No. of babies	S.B.	N.N.D.	P.N.D.	No. of babies	S.B.	N.N.D.	P.N.D.
Low forceps	126	—	2	1	73	2	2	4	
Mid forceps	—	—	—	—	—	—	—	—	
Total	126	—	2	1	73	2	2	4	

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

	No. of babies
A.C.H. of breech presentation	80
Toxaemia	34
Cardiac disease	12
Prolonged second stage	20
Contracted pelvis	8
Failed vacuum extraction	9
Prolapse of cord	7
Labour following previous C.S.	7
A.P.H.	4
Maternal distress	1
Prolonged first stage	1
Others	10

\* Three sets of twins were both delivered by forceps.

TABLE 24

VERSION IN LABOUR

Total No. of cases ...	7
Incidence ...	0.12%
Total No. of babies	7
Multiple pregnancies	6
Maternal deaths	—
S.B.	—
N.N.D.	—
P.N.D.	—

BOOKED AND NON-BOOKED:—

	No. of cases	Per centage	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked ...	5	71.43	—	5	—	—	—
Non-booked ...	2	28.57	—	2	—	—	—
Total ...	7	100	—	7	—	—	—

METHOD OF DELIVERY:—

	No. of babies	Per centage	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Spontaneous...	4	57.14	—	4	—	—	—
Breech extraction	3	42.86	—	3	—	—	—
Total ...	7	100	—	7	—	—	—

INDICATIONS FOR VERSION:—

	No. of cases
Compound presentation ...	1
Transverse lie ...	6

TABLE 25

CAESAREAN SECTION

Total No. of cases ... ... ... ... ... ... ... ... ... ... ... ... ... ... ...	615
Incidence ... ... ... ... ... ... ... ... ... ... ... ... ... ... ...	11.11%
Total No. of babies ... ... ... ... ... ... ... ... ... ... ... ... ...	625
Multiple pregnancies... ... ... ... ... ... ... ... ... ... ... ...	13*
Maternal deaths... ... ... ... ... ... ... ... ... ... ...	2( 0.33%)
S.B. ... ... ... ... ... ... ... ... ... ...	11( 1.76%)
N.N.D. ... ... ... ... ... ... ... ... ...	18( 2.93%)
P.N.D. ... ... ... ... ... ... ... ... ...	29( 4.64%)

BOOKED AND NON-BOOKED:—

	No. of cases	Per-cent-age	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked ... ... ... ...	539	87.64	2	540	5	12	17
Non-booked ... ... ...	76	12.36	—	74	6	6	12
Total ... ... ...	615	100	2	614	11	18	29

AGE GROUP.—

20 & under ... ... ...	30	4.88	—	30	—	3	3
21 — 25 ... ... ...	90	14.63	1	89	2	4	6
26 — 30 ... ... ...	175	28.46	—	175	2	2	4
31 — 35 ... ... ...	156	25.37	1	157	2	3	5
36 — 40 ... ... ...	138	22.44	—	138	3	6	9
41 & over ... ... ...	26	4.22	—	25	2	—	2
Total ... ... ...	615	100	2	614	11	18	29

PARITY:—

Para 0 ... ... ...	248	40.33	2	254	1	7	8
Para 1 ... ... ...	119	19.35	—	118	2	2	4
Para 2 & over ... ...	248	40.32	—	242	8	9	17
Total ... ... ...	615	100	2	614	11	18	29

\* Three first twins were delivered vaginally.

### CAESAREAN SECTION (Continued)

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

	<i>No. of cases</i>
Contracted pelvis	273
Foetal distress	140
Malpresentations P.O.P. or O.T.	77
Breech	92
Brow	3
Transverse lie	14
Compound	1
Toxaemia of pregnancy	93
Placenta praevia	49
Accidental haemorrhage	27
Uterine dysfunction	25
C-P disproportion	24
Previous C.S.	26
Prolapse of cord	17
Prolonged 1st stage	12
Tumours associated with pregnancy	16
Congenital anomaly of genito-urinary tract	5
Failed vacuum extraction	4
Diabetes mellitus and pre-diabetes	3
A.P.H. of unknown origin	3
Prolonged second stage	2
Failed trial of forceps	2

### FOETAL COMPLICATIONS:—

	<i>No. of cases</i>
Neonatal jaundice	31
Congenital abnormality	15
Neonatal infection	16
Atelectasis	6

TABLE 26

RUPTURE OF UTERUS

Total No. of cases ...	3
Incidence ...	0.05%
Multiple pregnancies ...	—
Maternal deaths ...	—
S.B. ...	—
N.N.D. ...	—
P.N.D. ...	—

BOOKED AND NON-BOOKED:—

	No. of cases	Per-cent	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked ...	1	33.33	—	1	—	—	—
Non-booked ...	2	66.67	—	2	—	—	—
Total ...	3	100	—	3	—	—	—

PARITY:—

	No. of cases	Per-cent	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Para 0 ...	1	33.33	—	1	—	—	—
Para 1 ...	—	—	—	—	—	—	—
Para 2 & over ...	2	66.67	—	2	—	—	—
Total ...	3	100	—	3	—	—	—

METHOD OF DELIVERY:—

	No. of babies	Per-cent	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Spontaneous...	2	66.67	—	2	—	—	—
Vacuum extraction ...	1	33.33	—	1	—	—	—
Total ...	3	100	—	3	—	—	—

TABLE 27

## CONTRACTED PELVIS

Total No. of cases ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ...	464
Incidence ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ...	8.34%
Total No. of babies ... ... ... ... ... ... ... ... ... ... ... ... ... ... ...	467
Multiple pregnancies... ... ... ... ... ... ... ... ... ... ... ... ...	5
Maternal deaths ... ... ... ... ... ... ... ... ... ... ... ...	—
S.B.... ... ... ... ... ... ... ... ... ... ... ...	4 (0.86%)
N.N.D. ... ... ... ... ... ... ... ... ... ... ...	5 (1.07%)
P.N.D. ... ... ... ... ... ... ... ... ... ... ...	8 (1.71%)

## BOOKED AND NON-BOOKED:—

	No. of cases	Per-cent	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked ... ... ... ...	425	91.59	—	422	4	4	7
Non-booked ... ... ... ...	39	8.41	—	41	—	1	1
Total ... ... ... ...	464	100	—	463	4	5	8

## PARITY:—

Para 0 ... ... ... ...	196	42.24	—	195	2	2	4
Para 1 ... ... ... ...	104	22.41	—	102	2	—	2
Para 2 & over ... ... ...	164	35.35	—	166	—	3	2
Total ... ... ... ...	464	100	—	463	4	5	8

## TYPE OF PELVIS.—

	No. of cases
Gynaecoid ... ... ... ...	263
Platypelloid ... ... ... ...	100
Anthropoid ... ... ... ...	34
Android ... ... ... ...	1
Mixed ... ... ... ...	20
Unknown ... ... ... ...	46

## METHOD OF DELIVERY AND FOETAL LOSS:—

Method of delivery	Primiparae			Multiparae				
	No. of babies	S.B.	N.N.D.	P.N.D.	No. of babies	S.B.	N.N.D.	P.N.D.
Spontaneous... ... ... ...	47	2	—	2	78	—	1	—
Vacuum extraction ... ... ...	33	—	—	—	20	—	—	—
Low forceps... ... ... ...	6	—	—	—	2	—	—	—
Assisted breech ... ... ...	—	—	—	—	2	—	—	—
Assisted breech with forceps for A.C.H. ...	1	—	—	—	1	—	—	—
C.S. ... ... ... ...	110	—	2	2	166	2	2	4
C.S. hysterectomy ... ... ...	—	—	—	—	1	—	—	—
Total ... ... ... ...	197	2	2	4	270	2	3	4

\* Excluding 2 B.B.A. babies.

TABLE 28

ANTEPARTUM HAEMORRHAGE

Total No. of cases ... ... ... ... ... ... ... ... ...	185
Incidence ... ... ... ... ... ... ... ... ...	3.32%
Total No. of babies ... ... ... ... ... ... ... ...	187
Multiple pregnancies ... ... ... ... ... ... ...	2
Maternal deaths... ... ... ... ...	1 ( 0.54%)
S.B. ... ... ... ...	15 ( 8.02%)
N.N.D. ... ... ... ...	13 ( 7.56%)
P.N.D. ... ... ... ...	28 (14.98%)

BOOKED AND NON-BOOKED:—

	No. of cases	Per-centages	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked ... ... ...	129	69.73	—	122	7	12	19
Non-booked... ...	56	30.27	1	50	8	1	9
Total ... ... ...	185	100	1	172	15	13	28

PARITY:—

Para 0 ... ... ...	56	30.27	—	56	1	2	3
Para 1 ... ... ...	22	11.89	—	19	3	3	6
Para 2 & over ... ...	107	57.84	1	97	11	8	19
Total ... ... ...	185	100	1	172	15	13	28

TYPE OF A.P.H.—

Accidental haemorrhage... ... ...	56	(30.27%)
Placenta praevia ... ... ...	55	(29.73%)
A.P.H. due to extra-placental causes ... ... ...	25	(13.51%)
A.P.H. of unknown origin ... ... ...	49	(26.49%)

TABLE 29

ACCIDENTAL ANTEPARTUM HAEMORRHAGE

Total No. of cases ...	56
Incidence:—Overall ...	1.01%
Among A.P.H. ...	30.27%
Total No. of babies ...	57
Multiple pregnancies ...	1
Maternal deaths ...	1 ( 1.79%)
S.B. ...	10 (17.54%)
N.N.D. ...	4 ( 8.70%)
P.N.D. ...	14 (24.56%)

CAUSES:—

Toxaemia ...	8
Unknown ...	48

BOOKED AND NON-BOOKED:—

	No. of cases	Per-cent	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked ...	31	55.36	—	26	5	4	9
Non-booked ...	25	44.64	1	21	5	—	5
Total ...	56	100	1	47	10	4	14

AGE GROUP:—

20 & under ...	1	1.78	—	1	—	—	—
21—25 ...	4	7.14	—	3	1	—	1
26—30 ...	10	17.86	—	10	—	1	1
31—35 ...	14	25.00	—	12	3	1	4
36—40 ...	22	39.29	—	19	3	2	5
41 & over ...	5	8.93	1	2	3	—	3
Total ...	56	100	1	47	10	4	14

PARITY:—

Para 0 ...	11	19.64	—	9	1	1	2
Para 1 ...	4	7.14	—	3	1	1	2
Para 2 & over ...	41	73.22	1	35	8	2	10
Total ...	56	100	1	47	10	4	14

## ACCIDENTAL ANTEPARTUM HAEMORRHAGE (Continued)

#### METHOD OF DELIVERY:-

## **MANAGEMENT:—**

	No. of cases
Conservative treatment (including transfusion and fibrinogen)	...
A.R.M.	5
Caesarean section	19
A.R.M. and Caesarean section	4
Caesarean hysterectomy	2
Hysterectomy	2

TABLE 30

PLACENTA PRAEVIA

Total No. of cases	...	...	...	...	...	...	...	...	...	55
Incidence:—Overall	...	...	...	...	...	...	...	...	...	0.99%
Among A.P.H.	...	...	...	...	...	...	...	...	...	29.73%
Total No. of babies	...	...	...	...	...	...	...	...	...	56
Multiple pregnancies	...	...	...	...	...	...	...	...	...	1
Maternal deaths	...	...	...	...	...	...	...	...	...	—
S.B.	...	...	...	...	...	...	...	...	...	4 (7.14%)
N.N.D.	...	...	...	...	...	...	...	...	...	4 (7.69%)
P.N.D.	...	...	...	...	...	...	...	...	...	8 (14.29%)

BOOKED AND NON-BOOKED:—

	No. of cases	Per-cent	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.	
Booked	...	37	67.27	—	36	2	4	6
Non-booked	...	18	32.73	—	16	2	—	2
Total	...	55	100	—	52	4	4	8

AGE GROUP:—

20 & under	...	1	1.82	—	1	—	—	—
21 — 25	...	7	12.73	—	6	1	—	1
26 — 30	...	17	30.90	—	16	1	1	2
31 — 35	...	10	18.18	—	9	1	—	1
36 — 40	...	18	32.73	—	18	1	3	4
41 & over	...	2	3.64	—	2	—	—	—
Total	...	55	100	—	52	4	4	8

PARITY:—

Para 0	...	12	21.82	—	13	—	—	—
Para 1	...	6	10.91	—	5	1	1	2
Para 2 & over	...	37	67.27	—	34	3	3	6
Total	...	55	100	—	52	4	4	8

PLACENTA PRAEVIA (Continued)

METHOD OF DELIVERY:—

	No. of babies	Per centage	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Spontaneous	...	6	10.71	—	6	—	—
L.S.C.S.	...	45	80.36	—	43	2	3
C.C.S.	...	4	7.14	—	3	1	1
Caesarean hysterectomy	1	1.79	—	—	1	—	1
Total	...	56	100	—	52	4	4
							8

BLOOD LOSS AND FOETAL LOSS:—

Amount (ml.)	No. of babies	S.B.	N.N.D.	P.N.D.
0 — 500 ml.	...	43	3	3
501 — 1,000 ml.	...	9	—	1
1,001 — 1,500 ml.	...	1	—	—
1,501 — 2,000 ml.	...	3	1	—
2,001 — 2,500 ml.	...	—	—	—
2,501 — 3,000 ml.	...	—	—	—
3,001 — over ml.	...	—	—	—
Total	...	56	4	4
				8

TREATMENT:—

	No. of cases
Nil	7
A. R. M.	4
C. S.	43
Caesarean hysterectomy	1

TABLE 31

A.P.H. OF UNKNOWN ORIGIN

Total No. of cases ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	49
Incidence:— Overall	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	0.88%
Among A.P.H.	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	26.49%
Total No. of babies	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	49
Multiple pregnancies	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	—
Maternal deaths	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	—
S.B.	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	1 ( 2.04%)
N.N.D.	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	4 ( 8.33%)
P.N.D.	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	5 (10.20%)

BOOKED AND NON-BOOKED:—

	No. of cases	Per-cent-age	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.	
Booked	... ...	38	77.55	—	38	—	3	3
Non-booked	... ...	11	22.45	—	10	1	1	2
Total	... ...	49	100	—	48	1	4	5

PARITY:—

Para 0	... ...	19	38.78	—	19	—	—	—
Para 1	... ...	6	12.24	—	5	1	1	2
Para 2 & over	... ...	24	48.98	—	24	—	3	3
Total	... ...	49	100	—	48	1	4	5

METHOD OF DELIVERY:—

	No. of babies	Per-cent-age	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.	
Spontaneous	... ...	36	73.47	—	36	—	4	4
Vacuum extraction	... ...	8	16.33	—	8	—	—	—
Assisted breech	... ...	2	4.08	—	1	1	—	1
L.S.C.S.	... ...	3	6.12	—	3	—	—	—
Total	... ...	49	100	—	48	1	4	5

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

## **MANAGEMENT:—**

**INDICATIONS FOR C.S.:—(More than 1 indication may be present in 1 case)**

## **CAUSES OF FOETAL LOSS:—**

TABLE 32

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

#### **BOOKED AND NON-BOOKED:-**

	No. of cases	Per-cent	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked ... ... ... ...	23	92	—	23	—	1	1
Non-booked ... ... ... ...	2	8	—	2	—	—	—
Total ... ... ... ...	25	100	—	25	—	1	1

### **PARITY:—**

Para 0	...	...	...	15	60	—	15	—	1	1
Para 1	...	...	...	3	12	—	3	—	—	—
Para 2 & over	...	...	...	7	28	—	7	—	—	—
Total	...	...	...	25	100	—	25	—	1	1

### **CAUSES:—**

Cervical erosion ... ... ... ... ... ... ... ... ... ... ... ... ... ... 24  
 Cervical polyp ... ... ... ... ... ... ... ... ... ... ... ... ... ... 1

TABLE 33

## POSTPARTUM HAEMORRHAGE (500 ml. or more)

Total No. of cases ... ... ... ... ... ... ... ... ... ... ... ... ... ... ...	91
Incidence ... ... ... ... ... ... ... ... ... ... ... ... ... ... ...	1.64%
Total No. of babies ... ... ... ... ... ... ... ... ... ... ... ... ...	82*
Multiple pregnancies ... ... ... ...	4
Maternal deaths ... ... ... ...	1 ( 1.10%)

## BOOKED AND NON-BOOKED :—

	No. of cases	Per-cent-age	Maternal deaths	No. of live births	S. B.	N.N.D.	P.N.D.
Booked ... ... ...	64	70.33	—	63	3	1	4
Non-booked ... ... ...	27	29.67	1	13	3	—	3
Total ... ... ..	91	100	1	76	6	1	7

## AGE GROUP :—

20 & under ... ... ...	6	6.59	—	5	1	—	1
21 — 25 ... ... ...	21	23.08	—	23	—	1	1
26 — 30 ... ... ...	18	19.78	—	13	1	—	1
31 — 35 ... ... ...	28	30.77	—	24	3	—	3
36 — 40 ... ... ...	9	9.89	—	7	1	—	1
41 & over ... ... ...	9	9.89	1	4	—	—	—
Total ... ... ...	91	100	1	76	6	1	7

## PARITY :—

Para 0 ... ... ...	31	34.07	—	30	1	—	1
Para 1 ... ... ...	14	15.38	—	12	2	—	2
Para 2 & over ... ...	46	50.55	1	34	3	1	4
Total ... ... ...	91	100	1	76	6	1	7

## METHOD OF DELIVERY :—

	No. of babies	Per-cent-age	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Spontaneous... ... ...	36	43.90	—	34	2	—	2
Vacuum extraction ...	22	26.84	—	21	1	—	1
Forceps ... ... ...	2	2.43	1	2	—	—	—
Breech ... ... ...	10	12.20	—	7	3	1	4
Caesarean section ...	10	12.20	—	10	—	—	—
Caesarean hysterectomy	2	2.43	—	2	—	—	—
Total ... ... ...	82	100	1	76	6	1	7

\* Excluding 13 B.B.A. babies.

**POSTPARTUM HAEMORRHAGE (500 ml. or more)**

(Continued)

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

	<i>Primiparae</i>	<i>Multiparae</i>	<i>Total</i>
Uterine atony ... ... ... ...	9	22	31
Genital tract laceration ... ... ...	17	6	23
Adherent placenta ... ... ... ...	1	12	13
Retained products of conception ...	1	3	4
Rupture uterus ... ... ... ...	—	3	3
Hypofibrinogenaemia ... ... ...	1	8	9
Placenta accreta ... ... ... ...	—	1	1
Retained placenta ... ... ... ...	—	3	3
Others ... ... ... ...	2	9	11
<b>Total ... ... ... ...</b>	<b>31</b>	<b>67</b>	<b>98</b>

AMOUNT OF BLOOD LOSS:—

<i>Millilitres</i>	<i>Primiparae</i>	<i>Multiparae</i>	<i>Total</i>
Unknown ... ... ... ...	1	2	3
0 — 500 ... ... ... ...	5	11	16
501 — 1,000 ... ... ... ...	22	35	57
1,001 — 1,500 ... ... ... ...	2	7	9
1,501 — 2,000 ... ... ... ...	1	3	4
2,001 — 2,500 ... ... ... ...	—	—	—
2,501 — 3,000 ... ... ... ...	—	1	1
3,001 & over ... ... ... ...	—	1	1
<b>Total ... ... ... ...</b>	<b>31</b>	<b>60</b>	<b>91</b>

TREATMENT:—

	<i>No. of cases</i>
Conservative (ergometrine, blood replacement, syntocinon infusion)	91
Fibrinogen ... ... ... ...	4
Repair of laceration ... ... ... ...	23
Manual removal of placenta or cotyledon ... ... ... ...	20
Hysterectomy ... ... ... ...	4

TABLE 34

## MANUAL REMOVAL OF PLACENTA

Total No. of cases ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ...	77
Incidence ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ...	1.38%
Total No. of babies ... ... ... ... ... ... ... ... ... ... ... ... ... ... ...	61*
Multiple pregnancies ... ... ... ... ... ... ... ... ... ... ... ... ...	1
Maternal deaths ... ... ... ... ... ... ... ... ... ... ... ... ...	—

## BOOKED AND NON-BOOKED:—

	No. of cases	Per centage	Maternal deaths	No. of live births	S.B.	N.N.D.	P.N.D.
Booked ... ... ... ...	55	71.43	—	55	—	1	1
Non-booked ... ... ...	22	28.57	—	6	—	—	—
Total ... ... ...	77	100	—	61	—	1	1

## AGE GROUP:—

20 & under ... ... ...	6	7.79	—	5	—	—	—
21 — 25 ... ... ...	13	16.88	—	13	—	—	—
26 — 30 ... ... ...	24	31.17	—	21	—	1	1
31 — 35 ... ... ...	25	32.47	—	17	—	—	—
36 — 40 ... ... ...	5	6.49	—	3	—	—	—
41 & over ... ... ...	4	5.20	—	2	—	—	—
Total ... ... ...	77	100	—	61	—	1	1

## PARITY:—

Para 0 ... ... ... ...	25	32.47	—	22	—	—	—
Para 1 ... ... ... ...	14	18.18	—	12	—	1	1
Para 2 & over ... ...	38	49.35	—	27	—	—	—
Total ... ... ...	77	100	—	61	—	1	1

## INDICATIONS:—

	Primiparae	Multiparae	Total
Retained placenta ... ... ... ...	7	4	11
Adherent placenta ... ... ... ...	16	45	61
Broken cord ... ... ... ...	2	2	4
Placenta accreta ... ... ... ...	—	1	1
Total ... ... ... ...	25	52	77

\* Seventeen B.B.A. babies were not admitted.

## MANUAL REMOVAL OF PLACENTA (Continued)

### METHOD OF DELIVERY:—

	No. of babies	Per-cent-age	Maternal deaths	No. of live births	S.B.	N N D.	P.N D.
Spontaneous...	69*	88.31	—	52	—	1	1
Forceps...	1	1.30	—	1	—	—	—
Vacuum extraction	6	7.79	—	6	—	—	—
Assisted breech ...	2	2.60	—	2	—	—	—
Total ...	78*	100	—	61	—	1	1

Postpartum haemorrhage ... ... ... ... ... ... ... 19 cases (24.68%)

### DURATION OF LABOUR:—

	No. of cases
Second stage over 1 hour ... ... ... ... ... ... ...	4
Third stage over 1 hour ... ... ... ... ... ... ...	25

\* Including 17 spontaneous deliveries before admission.

TABLE 35

TUMOURS ASSOCIATED WITH PREGNANCY,  
LABOUR OR PUERPERIUM

Total No. of cases ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ...	32
Incidence ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ...	0.58%
Total No. of babies ... ... ... ... ... ... ... ... ... ... ... ... ... ... ...	32
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 live births	S.B.	N.N.D.	P.N.D.
Booked ... ... ... ...	31	96.88	—	31	—	—	—
Non-booked... ... ...	1	3.12	—	1	—	—	—
Total ... ... ...	32	100	—	32	—	—	—

PARITY:—

Para 0 ... ... ... ...	16	50.00	—	16	—	—	—
Para 1 ... ... ... ...	5	15.62	—	5	—	—	—
Para 2 & over ... ... ...	11	34.38	—	11	—	—	—
Total ... ... ...	32	100	—	32	—	—	—

TYPE OF TUMOUR:—

Ovarian cyst ... ... ... ...	11
Parovarian cyst ... ... ... ...	2
Uterine fibromyoma ... ... ... ...	17
Carcinoma-in-situ of cervix ... ... ... ...	1
Papilloma of cervix ... ... ... ...	1

METHOD OF DELIVERY:—

Spontaneous ... ... ... ...	12
Vacuum extraction ... ... ... ...	2
Forceps ... ... ... ...	1
Assisted breech... ... ... ...	1
L.S.C.S. ... ... ... ...	15
C.S. hysterectomy ... ... ... ...	1

TABLE 36

## MULTIPLE PREGNANCY+

## TWIN PREGNANCY

## **FOETAL MORTALITY:—**

	<i>First Twin</i>	<i>Second Twin</i>	<i>Total</i>
S.B.	1	2	3(2.46%)
N.N.D.	2	5	7(5.88%)
P.N.D.	3	7	10(8.20%)

#### **BOOKED AND NON BOOKED:-**

	No. of cases	Per-cent	Maternal deaths	No. of live births	S. B.	N.N.D.	P.N.D.
Booked ...	41	64.06	—	82	—	4	4
Non-booked ...	23*	35.94	1*	37	3	3	6
Total ...	64*	100	1*	119	3	7	10

**AGE GROUP:-**

20 & under ... ... ...	1	1.56	—	2	—	1	1
21 — 25 ... ... ...	10	15.63	—	20	—	2	2
26 — 30 ... ... ...	19	29.68	—	37	—	—	—
31 — 35 ... ... ...	20*	31.25	1*	33	3	2	5
36 — 40 ... ... ...	10	15.63	—	19	—	2	2
41 & over ... ... ...	4	6.25	—	8	—	—	—
Total ... ... ...	64*	100	1*	119	3	7	10

### **PARITY:-**

Para 0	...	...	...	16	25.00	—	31	—	4	4
Para 1	...	..	...	9*	14.06	1*	16	—	—	—
Para 2 & over	...	...	...	89	60.94	—	72	3	3	6
Total	...	...	...	64*	100	1*	119	3	7	10

+ There was no triplet or quadriplet.

\* One case died undelivered.

\* Four B.B.A. 1st twins were not admitted.

## 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	...	1	1	100	2	1	50
1,501 — 2,000	...	6	1	16.67	3	2	66.67
2,001 — 2,500	...	24	1	4.17	21	3	1.43
2,501 — 3,000	...	19	—	—	28	1	3.57
3,001 — 3,500	...	8	—	—	9	—	—
3,501 — 4,000	...	1	—	—	—	—	—
4,001 & over	...	—	—	—	—	—	—
Total	...	59	3	5.08	63	7	11.11

#### METHOD OF DELIVERY AND FOETAL LOSS.—

Method of delivery	Foetal loss		First twin			Second twin		
	No. of babies	Foetal loss	Per-cent	No. of babies	Foetal loss	Per-cent		
Spontaneous	...	...	25	2	8.00	17	1	5.88
Vacuum extraction	...	...	7	--	--	4	--	--
Low forceps	...	...	10	--	--	5	1	20.00
Assisted breech	...	...	6	--	--	19	2	10.53
Breech extraction	...	...	1	--	--	5	--	--
C.S.	...	...	10	1	10	13	3	23.08
Total	...	...	59	3	5.08	63	7	11.11

### **PRESENTATION:-**

MULTIPLE PREGANCNY+ (Continued)

PRESENTATION AND FOETAL LOSS:—

Presentation	Foetal loss	First Twin			Second Twin		
		No. of babies	Foetal loss	Percentage	No. of babies	Foetal loss	Percentage
Vertex	...	47	2	4.26	24	1	4.17
Breech	...	12	1	8.33	31	5	16.13
Transverse lie	...	—	—	—	7	1	14.29
Compound	...	—	—	—	1	—	—
Total	...	59	3	5.08	63	7	11.11

INDICATIONS FOR C.S.:—

Toxaemia of pregnancy (including 1 eclampsia) ... ... ...	5
Uterine dysfunction ... ... ... ... ...	2
Contracted pelvis ... ... ... ... ...	2
Prolapse of cord ... ... ... ...	1
Failed vacuum extraction ... ... ... ...	1
Placenta praevia ... ... ... ...	1
Transverse lie ... ... ... ...	1

MATERNAL COMPLICATIONS:—

Prolonged 1st stage ... ... ... ...	1
Prolonged 2nd stage ... ... ... ...	1
Prolapse of cord ... ... ... ...	4
Toxaemia (including 1 eclampsia) ... ... ... ...	23
Uterine dysfunction ... ... ... ...	3
Contracted pelvis ... ... ... ...	5
Hydramnios ... ... ... ...	2
Placenta praevia ... ... ... ...	1
Accidental haemorrhage ... ... ... ...	1
Postpartum haemorrhage ... ... ... ...	4
Manual removal of placenta ... ... ... ...	1
Acute heart failure (congenital heart disease) ... ... ...	1*

\* One case died undelivered.

TABLE 37

## **PUERPERAL PYREXIA**

## **PUERPERAL PYREXIA (GENITAL)**

#### **METHOD OF DELIVERY:-**

## **PUERPERAL PYREXIA (EXTRA-GENITAL)**

## DETAILS OF MATERNAL DEATHS

1, Booked case      Serial No. 5091/64      Age: 25      Gravida 1      Para 0

This patient was referred to the Tsan Yuk Hospital for cardiac disease complicating pregnancy. She had been diagnosed as having mitral stenosis and aortic incompetence since 1957 and had been on prophylactic benzathine penicillin,  $1.2 \times 10^6$  units every 4 weeks. Her functional grading was Class I. Her cardiac condition remained unchanged during the pregnancy, which also progressed normally. At 28th week maturity on 7.1.65., she was admitted for rest. After admission, she remained well and symptom free.

Then on 1.3.65 at a maturity of 42 weeks, she had leakage of liquor at 11.30 p.m. Ten minutes later, the patient suddenly began coughing up blood stained sputum and complained of chest discomfort. Rales were heard all over her lung bases. She was given  $O_2$  inhalation, digoxin, morphia, mersalyl, aminophylline and venesection. At 12 midnight, i.e. 20 minutes later, the patient had a cardiac arrest, and died despite all active resuscitative measures. Seven minutes later a postmortem caesarean section was done and a live female baby was delivered.

### *Postmortem:*—

1. Chronic rheumatic aortic and mitral endocarditis with perforation of the anterior cusp of aortic valves.
2. Dilation and hypertrophy of left ventricle.
3. Congestive heart failure.
4. Accessory spleen.

Cause of death: Acute heart failure.

2. Non-booked      Serial No. 5636/64      Age: 34      Gravida 7      Para 1

This patient was referred to the antenatal clinic by a general practitioner for cardiac disease complicating pregnancy.

She had one full time delivery 6 years ago, by low forceps in Tung Wah Eastern Hospital.

She was admitted to the hospital on her first antenatal visit at a maturity of  $18\frac{2}{7}$  week pregnancy, because she gave a history of progressive palpitations, and dyspnoea for one year, deteriorating during her present pregnancy. On admission, she had no sign of congestive heart failure, and she was seen on the same day by the medical consultant who diagnosed atrial septal defect and advised treatment with diuretics and bed rest.

Patient remained stable and the uterus was growing although it was always larger than the gestational period. Two weeks later, she developed a cough with copious dark blood stained sputum; she was afebrile, but creptations were heard all over both lung bases, and she began to have dyspnoea at rest. She was immediately digitalized and started on antibiotics. Twenty hours later, she remained dyspnoeic and cyanotic and suddenly had a cardiac arrest. E.C.G. showed presence of ventricular fibrillation, and despite active resuscitative measures, the patient died.

*Postmortem:*—

1. Large atrial septal defect.
2. Hypertrophy and marked dilation of left ventricle.
3. Marked dilatation of the pulmonary artery with atheroma.
4. Marked congestion of lungs, passive congestion of liver.
5. Gravid uterus with twin foetuses.

Cause of death: Acute cardiac failure.

3. Non-booked case      Serial No. 2051/65      Age: 44      Gravida 10      Para 6

This patient was referred from a maternity home at 38 weeks maturity because of severe toxæmia with blood pressure 180/110 mm. Hg. generalised oedema proteinuria.

She was put on "lytic cocktail" treatment after admission. Blood pressure went down to 150/90 mm. Hg

She went into labour spontaneously 18 hours after admission. A premature baby 2381 gms. was delivered after a labour of 2 hours. IMI ergometrine 0.5 mg. was given. Blood loss was estimated to be 400 ml. (250 ml. retroplacental clot and 150 ml. fluid blood). The placenta was indented and the membranes were complete. Condition after delivery was satisfactory, blood pressure 140/90 mm. Hg. pulse 72/min. Maw's thrombin test revealed instant clotting of blood.

Two hours after delivery, 500 ml. of fluid blood and clots were expressed from the uterus. Blood pressure dropped to 70/50 mm. Hg. and pulse 90/min. She was given 2 pints of blood and later Syntocinon drip was set up in view of continuous vaginal oozing. Maw's thrombin test revealed clotting in 12 seconds. Two gms. of fibrinogen were given with apparent good response and the blood pressure rose to 165/110 mm. Hg., pulse 100/min. However, the patient became drowsy 10 hours after delivery with scanty urine output. There was no clotting in 1 minute by Maw's thrombin test and there was continuous vaginal oozing. She was given another 5 gms. of fibrinogen.

Later that day, jaundice became evident and the liver was palpable. Coffee-ground material was aspirated from stomach. Her condition gradually deteriorated in spite of treatment with blood transfusion, hydrocortisone and wyamine. She died of peripheral circulatory failure 2 days after admission.

*Autopsy:*—

1. Necrosis and haemorrhage of liver.
2. Tubular necrosis of kidneys.
3. Haemorrhages in skin, stomach, intestines, endocardium and suprarenals.

Cause of death: Peripheral circulatory failure.

4. Booked case      Serial No. 3170/65      Age: 32      Gravida 2      Para 0

This patient first attended the antenatal clinic at 16 weeks maturity. No abnormality was detected. She was seen regularly and was admitted on  $40\frac{2}{7}$  weeks because of persistent oedema. Blood pressure remained normal throughout pregnancy.

The membranes ruptured spontaneously on the 4th day after admission B.P. rose to 155/100 mm. Hg. Lytic cocktail treatment was started. There were only vague irregular uterine contractions. Twenty hours after rupturing of membranes, the patient developed a fever of 100.4°F. with W.B.C. 21000/cu. mm and foetal heart rate 190/min. L.S.C.S was done. A live baby girl 3742 gms. was delivered. Patient stood the operation well. She was put on intravenous Achromycin. On the 2nd postoperation day she started to develop abdominal distension. Conservative treatment was given but distension progressed in severity and her condition deteriorated. In view of the possibility of organic obstruction, she was transferred to Queen Mary Hospital on the 5th day, where laparotomy was done. The intestines were decompressed but no organic lesion was found. Patient failed to respond to treatment and died on the 7th day.

*Postmortem:*—

1. Acute generalised peritonitis.
2. Chronic mitral valvulitis with stenosis.
3. Chronic passive congestion of liver, spleen, lungs and kidneys
4. Papillary adenocarcinoma of thyroid.

Cause of death: Acute generalised peritonitis.

5. Non-booked case    Serial No. 3177/65    Age: 30    Gravida 1    Para 0

This patient was referred for admission at 37 weeks pregnancy because of virus hepatitis complicating pregnancy with jaundice for 2 days.

General condition was fairly good on admission. Serum bilirubin was 16 mg.% and haemoglobin 9.3 gms.%.

Forty-eight hours after admission, she went into labour spontaneously. Maw's thrombin test showed that blood did not clot, prothrombin time was also prolonged, and serum fibrinogen was zero. Hydrocortisone, fibrinogen (11 gms.) and fresh blood transfusion were given.

Labour progressed well and a live male boy delivered 19 hours later. However, her general condition deteriorated. Her pulse rose to 140/min. and blood pressure started to drop one hour after delivery. Serum bilirubin rose to 35 mg %. There was totally about 1000 ml. of blood loss during and after delivery. 2000 ml. of fresh blood was transfused. Although the clotting time returned to normal, there was no response to Hydrocortisone and to vasopressor drug (wyamine). The patient died 42 hours after delivery, 4 days after admission.

*Postmortem:*

1. Acute yellow atrophy of liver.
2. Bleeding in stomach and endocardium.
3. Atrophy of both adrenals.

Cause of death: Acute liver failure.

6. Non-booked case    Serial No. 4018/65    Age 32    Gravida 9    Para 7

This patient was referred for admission at 34 weeks maturity because of intrauterine death with history of cessation of foetal movements for 12 weeks and vaginal bleeding for 2 days.

Intrauterine death was confirmed by negative pregnancy test and X-ray of the abdomen. She was found to have hypo-fibrinogenanaemia as revealed by Maw's thrombin test, which showed delayed clot formation.

Labour was induced by intravenous pitocin infusion. She went into labour 6 hours later. The progress of labour was good. The clotting defect persisted but there was no vaginal bleeding.

When delivery was eminent, it was decided to correct the hypofibrinogenanaemia by giving intravenous fibrinogen for fear of haemorrhage at delivery. A total of 5 gms of fibrinogen was given, and Maw's thrombin test showed a stable clot at 6 seconds.

The patient delivered two hours later. Blood loss was estimated to be 400 ml. The blood did not clot on further testing, therefore 2 more gms. of fibrinogen were given.

One hour after delivery, she became very restless with systolic blood pressure of 90 mm Hg and pulse rate of 120/min. Her condition deteriorated rapidly with signs and symptoms of pulmonary oedema. She was given aminophylline and digoxin without response. She died 4 hours after delivery.

*Postmortem:*

1. Polyarteritis nodosa.
2. Thrombosis of right popliteal vein.
3. Pulmonary embolism involving the branches of the right pulmonary artery.
4. Passive congestion and marked oedema of lungs, liver, kidney and spleen.
5. Dilatation of the right side of heart.

Cause of death: Acute left heart failure due to polyarteritis nodosa.

TABLE 38  
SUMMARY OF FOETAL LOSS

	S.B.	N.N.D.	P.N.D.			
	No. of babies	Incidence	No. of babies	Incidence	No. of babies	Incidence
Total No. of live births and stillbirths	46 (3)	8.17 per 1,000 L.B.	56 (7)	10.03 per 1,000 L.B.	100* (10)	17.77 per 1,000 L.B. & S.B.
Booked	...	...	32 (2)	41 (4)	72 (6)	
Non-booked	...	...	14 (1)	15 (3)	28 (4)	
Primiparae	...	...	10 —	18 (4)	26 (4)	
Multiparae	...	...	36 (3)	38 (3)	74 (6)	
C A U S E S	S. B.	N. N. D.	P. N. D.			
	No. of babies	Incidence	No. of babies	Incidence	No. of babies	Incidence
1. Unknown	...	...	17	36.96%	10 (3)	17.86%
Mature	...	...	7	—	—	—
Premature	...	...	10	—	10 (3)	19*(3)
2. Birth trauma	...	...	6 (1)	13.04%	5	8.93%
Cord accident	...	...	4	—	5	4
Acute asphyxia	...	...	2 (1)	—	4 (1)	1
Intracranial haemorrhage	...	...	—	—	2	2
3. Toxaemia	...	...	3	6.52%	3 (2)	5.36%
Eclampsia	...	...	—	—	2 (2)	—
Unclassified toxæmia 'B'	...	...	3	—	3	—
Chronic nephritis	...	...	—	—	1	—

**SUMMARY OF FOETAL LOSS (Continued)**

CAUSES	S. B.		N. N. D.		P. N. D.				
	No. of babies	No. of Incidence	No. of babies	No. of Incidence	No. of Booked	Non-booked	Primiparae	Multiparae	Incidence
4. A. P. H. .... .... .... ....	9 (2)	19.56%	9	16.07%	11 (2)	7 (2)	6	2	16 (2)
Accidental haemorrhage	....	8 (2)	3		3	2	4	2	9 (2)
Placenta praevia	....	1	2		4	3	1	—	3
Unknown origin	....	—	4		—	—	—	—	4
5. Foetal abnormalities	....	4	8.70%	18 (2)	32.14%	21* (2)	16 (1)	5 (1)	16 (1)
Multiple anomalies	....	4		4		8	7	1	3
Anencephaly	....	—		2		2	—	—	2
Congenital heart	....	—		3 (1)		3 (1)	2	1 (1)	1 (1)
Pyloric stenosis	....	—		1		1	—	—	1
Duodenal atresia	....	—		3 (1)		2* (1)	1 (1)	1	2 (1)
Rectal atresia	....	—		1		1	1	—	1
Polycystic kidney	....	—		2		2	1	—	2
Achondroplasia	....	—		2		2	—	1	1
6. Miscellaneous	....	7	15.22%	11	19.64%	18	14	4	3
Hydrops foetalis	....	5		1		6	5	1	1
Intraterrine infection	....	1		3		4	3	1	3
Bronchopneumonia	....	—		2		1	1	1	1
Hyaline membranes	....	—		2		2	—	—	2
Atelectasis of lungs	....	—		1		1	1	—	1
Kernicterus	....	—		1		1	—	—	1
Epidermolysis bulosa	....	—		1		1	—	—	1
Polyarteritis nodosa (Maternal)	....	1		—		1	—	—	1

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

\* Excluding babies from N.N.D. who died after the 7th day.

SUMMARY OF FOETAL LOSS (Continued)

BIRTH WEIGHT:—

Birth weight (grams)	Foetal loss					S.B. No. of cases	N.N.D. No. of cases	P.N.D. No. of cases
	Under 1,000	1,001 — 1,500	1,501 — 2,000	2,001 — 2,500	2,501 — 3,000			
Under 1,000	...	...	...	...	...	—	—	—
1,001 — 1,500	...	...	...	...	...	9	11	19
1,501 — 2,000	...	...	...	...	...	8	11	18
2,001 — 2,500	...	...	...	...	...	11	13	24
2,501 — 3,000	...	...	...	...	...	7	9	16
3,001 — 3,500	...	...	...	...	...	8	8	16
3,501 — 4,000	...	...	...	...	...	1	2	3
4,001 — 4,500	...	...	...	...	...	1	2	3
Unknown	...	...	...	...	...	1	—	1
Total	...	...	...	...	...	46	56	100

METHOD OF DELIVERY:—

Method of delivery	Foetal loss					S.B. No. of cases	N.N.D. No. of cases	P.N.D. No. of cases
	Spontaneous	Vacuum extraction	Low forceps	Breech delivery	Caesarean section			
Spontaneous	...	...	...	...	...	26	30	55
Vacuum extraction	...	...	...	...	...	2	1	3
Low forceps	...	...	...	...	...	1	2	2
Breech delivery	...	...	...	...	...	6	6	12
Caesarean section	...	...	...	...	...	8	17	25
Caesarean hysterectomy	...	...	...	...	...	3	—	3
Total	...	...	...	...	...	46	56	100

TABLE 39

## PREMATURE LIVE-BORN INFANTS

Total No. of cases	...	...	...	...	...	...	...	...	...	...	...	...	...	457
Booked	...	...	...	...	...	...	...	...	...	...	...	...	...	400
Non-booked	...	...	...	...	...	...	...	...	...	...	...	...	...	57
Primiparae	...	...	...	...	...	...	...	...	...	...	...	...	...	227
Multiparae	...	...	...	...	...	...	...	...	...	...	...	...	...	230
Multiple pregnancies	...	...	...	...	...	...	...	...	...	...	(one twin)	22		
											(both twins)	18		
											(triplets)	—		
Incidence (per 1,000 L.B.)	...	...	...	...	...	...	...	...	...	...	...	...	...	81.88
N.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	...	37 (8.10%)

## CAUSES OF DEATH (More than 1 cause may be responsible):—

	No. of cases
Atelectasis	10
Foetal malformations	15
A.P.H.	11
Toxaemia	7
Birth trauma	1

## MATURITY (Weeks):—

	No. of cases	N.N.D.	Loss per 1,000
Under 32 wks.	27	11	407.41
32 — 33 wks.	39	6	153.85
34 — 35 wks.	71	7	98.59
36 — 37 wks.	92	4	43.48
38 — 39 wks.	126	6	47.62
40 — 41 wks.	55	1	18.18
42 wks. & over	17	1	58.82
Unknown	30	1	33.33

## BIRTH WEIGHT (Grams):—

	No. of cases	N.N.D.	Loss per 1,000
Under 1,000	—	—	—
1,001 — 1,500	23	12	521.74
1,501 — 2,000	57	11	192.98
2,001 — 2,500	377	14	37.14

TABLE 40

CONGENITAL MALFORMATIONS

Total No. of cases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	63
Booked	...	...	...	...	...	...	...	...	...	...	...	...	...	...	59
Non-booked	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Incidence	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11.20 per 1,000 L.B. & S.B.
Foetal mortality:—															
S.B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7(11.11%)
N.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19(33.93%)
P.N.D.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25(39.68%)
Among live births	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.00%
Among stillbirths	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15.22%
Among premature live births	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3.50%
Among neonatal deaths	...	...	...	...	...	...	...	...	...	...	...	...	...	...	33.93%

TYPE OF MALFORMATION:—

	<i>No. of cases</i>
Anomalies of central nervous system	8
Anomalies of limbs	12
Anomalies of lips and palate	11
Anomalies of skin	3
Anomalies of cardio-vascular system	3
Anomalies of genito-urinary tract	7
Anomalies of gastro-intestinal tract	5
Multiple anomalies	8
Others	6

TABLE 41

## BIRTH TRAUMA

**METHOD OF DELIVERY:—**

	No. of babies	Percentage
Spontaneous	10	35.72
Vacuum extraction	10	35.72
Low forceps	2	7.14
Assisted breech	3	10.71
Caesarean section	3	10.71

**TYPE OF INJURY:-**

	No. of cases
Cephalohaematoma ... ... ... ... ... ... ... ...	22
Tentorial tear with subdural haemorrhage ... ... ... ...	3
Cerebral irritation with convulsions ... ... ... ...	2
Ecchymosis of head and neck ... ... ... ...	1

TABLE 42

## **NEO-NATAL INFECTIONS**

TABLE 43

NEO-NATAL JAUNDICE

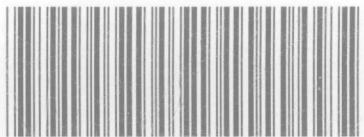
Total No. of cases ...	445
Incidence (per 1,000 L.B.)	79.71
No. of cases with known cause ...	142(31.91%)

<i>Cause if known</i>	<i>No. of cases</i>	<i>Exchange transfusion</i>	<i>N.N.D.</i>
Unknown ...	304	6	—
A.B.O. incompatibility ...	93	10	1
Glucose-6-phosphate dehydrogenase deficiency ...	48	8	—
Rh. ...	1	—	—

X-RAY DEPARTMENT STATISTICS

Month	Chest	Bones	Abdomen	Pelvimetry	Direct Placen- tography	Hysterosal- pingography	Intravenous Urography	Barium Swallow	Dead Fœtus
Jan.	364	9	6	102	1	5	—	—	3
Feb.	394	3	8	80	5	5	—	—	—
Mar.	550	9	16	66	8	10	1	—	—
Apr.	537	8	13	64	5	4	—	1	—
May	536	5	22	74	7	7	1	—	—
June	437	7	15	70	7	6	—	—	—
July	574	9	14	66	8	7	1	—	—
Aug.	575	5	16	83	7	9	2	—	—
Sept.	598	1	26	113	11	6	1	—	—
Oct.	489	3	34	108	12	7	—	—	1
Nov.	444	1	14	120	14	6	—	—	—
Dec.	414	4	14	126	6	7	—	—	—
Total	5,962	64	198	1,072	91	79	6	1	4

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