

RESULTS

CASE No.	SEX	BIRTH ORDER	WEIGHT (Kg)	LENGTH (cms)	SKULL CIRCUM (cms)	LEVEL of INSULIN μ U/ml
CI	M	Ist Order	3.500	50	35	26
C2	M	2nd Order	3.600	50	35	27
C3	M	6th Order	3.400	50	34.5	25
C4	M	Ist Order	3.500	50	34	28
C5	F	3rd Order	3.250	49	33	24
C6	F	Ist Order	3.500	49	35	26
C7	F	Ist Order	3.500	49	34.5	27
C8	M	Ist Order	3.400	50	34.5	25
C9	M	3rd Order	3.500	50	35.5	27
CI0	M	3rd Order	3.300	49	34.5	24
CII	M	3rd Order	3.700	51	35	29
CI2	F	Ist Order	3.500	50	35	26
CI3	M	Ist Order	3.600	50	35	28
CI4	F	2nd Order	3.300	49	34.5	24
CI5	M	6th Order	3.400	50	35	25
CI6	F	6th Order	3.250	49	34	24
CI7	M	3rd Order	3.300	49.5	34.5	24
CI8	F	3rd Order	3.500	50	35	25

TABLE NO. I : CLINICAL DATA AND INSULIN LEVEL IN CONTROL GROUP

CASE NO.	SEX	BIRTH ORDER	WEIGHT (Kg)	LENGTH (cms)	SKULL CIRCUM (cms)	MATERNAL GLUCOSE (mg/100 ml)	CORD GLUCOSE (mg/100 ml)
C1	M	Ist Order	3.500	50	35	96	91
C2	M	2nd Order	3.600	50	35	97	92
C3	M	6th Order	3.400	50	34.5	86	80
C4	M	Ist Order	3.500	50	34	96	91
C5	F	3rd Order	3.250	49	33	76	70
C6	F	Ist Order	3.500	49	35	94	87
C7	F	Ist Order	3.500	49	34.5	94	86
C8	M	Ist Order	3.400	50	34.5	86	80
C9	M	3rd Order	3.500	50	35.5	95	90
C10	M	3rd Order	3.300	49	34.5	80	74
C11	M	3rd Order	3.700	51	35	100	95
C12	F	Ist Order	3.500	50	35	95	90
C13	M	Ist Order	3.600	50	35	98	93

CASE No.	SEX	BIRTH ORDER	WEIGHT (KG)	LENGTH (cms)	SKULL CIRCUM (cms)	MATERNAL GLUCOSE (mg/100 ml)	CORD GLUCOSE (mg/100 ml)
C14	F	2nd Order	3.300	49	34.5	80	74
C15	M	6th Order	3.400	50	35	90	84
C16	F	6th Order	3.250	49	34	76	70
C17	M	3rd Order	3.300	49.5	34.5	82	76
C18	F	3rd Order	3.500	50	35	95	89

TABLE NO. 2 : CLINICAL DATA, MATERNAL AND CORD GLUCOSE LEVELS IN CONTROL GROUP

CASE No.	SEX	BIRTH ORDER	REMARKS	WEIGHT (Kg)	LENGTH (cms)	SKULL CIRCUM (cms)	LEVEL OF SM %	LEVEL OF INSULIN μ U/ml
II	F	5th Order		2.800	48	34	84.6%	17
2I	F	Ist Order	Emesis for the first Month	3.100	49	35	91.6%	20
3I	M	Ist Order	Low forceps-Caput succedaneum	3.100	49	34	94%	21
4I	F	Ist Order	BP 120/70-vaginal delivery failed --CS	3.100	48	34.5	92%	20
5I	M	Ist Order	Oedema in the last Month	2.800	46	34	84%	17
6I	F	5th Order	Vaginal bleeding of 2 days duration.	3	49	33	90%	19
7I	M	4th Order		3.200	49	34	96%	22
8I	F	Ist Order		3.100	48	34	94%	21
9I	M	Ist Order		2.850	48	33	85.6%	18
10I	M	2nd Order	Rheumatic heart - MS -	3.100	48	34	96%	22
11I	F	Ist Order	Influenza in last Month	2.900	48	34.5	88%	17
12I	F	Ist Order		3	49	33	90%	18

TABLE NO. 3 : CLINICAL DATA, SM AND INSULIN LEVELS IN INTERMEDIATE GROUP

CASE No.	SEX	BIRTH ORDER	REMARKS	WEIGHT (kg)	LENGTH (cms)	SKULL CIRCUM (cms)	MATERNAL GLUCOSE (mg/100ml)	CORD GLUCOSE (mg/100ml)
11	F	6th		2.800	48	34	65	60
21	F	1st	Emesis for the first Month	3.100	49	35	76	69
31	M	1st	Low forceps-Caput succedaneum	3.100	49	34	76	69
41	F	1st	BP 120/70 - vaginal delivery failed-CS	3.100	48	34.5	75	68
51	M	1st	Oedema in the last Month	2.800	46	34	65	60
61	F	5th	Vaginal bleeding of 2 days duration	3	49	33	70	65
71	M	4th		3.200	49	34	77	70
81	F	1st		3.100	48	34	75	67
91	M	1st		2.850	48	33	67	63
101	M	2nd	Rheumatic heart - MS	3.100	48	34	74	67
111	F	1st	Influenza in last Month	2.900	48	34.5	68	64
121	F	1st		3	49	33	70	65

TABLE NO. 4 : CLINICAL DATA, MATERNAL AND CORD GLUCOSE LEVELS IN INTERMEDIATE GROUP

CASE NO.	SEX	BIRTH ORDER	REMARKS	WEIGHT (kg)	LENGTH (cms)	SKULL CIRCUM (cms)	LEVEL OF SM. %	LEVEL OF INSULIN μ U/ml
1L	M	1st	BP 140/90 Alb +++ - Oedema of L.L for last 2 Months.	2	43	31	44%	7
2L	M	4th	Emesis for 3 Months - 8 days of fever in the 8th Month - CS	2.500	46	33.5	80%	12
3L	F	1st	Twins	1.500	40	30	21,7%	4
4L	F			1.400	36.5	28.5	20%	4
5L	F	1st	Twins - BP 130/70 - Oedema of L.L for 2 Months - Antepartum haemorrhage,	2	44	30.5	40%	7
6L	M			1.900	43	30.5	34%	6
7L	F	8th	Emesis for 3 Months	2.300	45	33	60%	10
8L	M	1st	Low Socioeconomic	2.500	45.5	33	78%	12
9L	M	5th	Low Socioeconomic	2.450	45	34	74%	11
10L	M	3rd	Mother Rh, DM	2.370	43.5	32	65%	10

CASE NO.	SEX	BIRTH ORDER	REMARKS	WEIGHT (Kg)	LENGTH (cms)	SKULL CIRCUM (cms)	LEVEL OF SM %	LEVEL OF INSULIN μ U/ml
I1L	F	8th	Repeated neonatal death in 1st week, jaundiced Rh - ve	2.100	43	34	56%	9
I2L	M	5th	MS + AF + heart failure	2	43.5	31	46.7%	8
I3L	F	4th	Placenta Previa-severe vaginal bleeding - CS.	2.350	44	32	60%	10
I4L	F	1st	Emesis till 5th Month	1.950	43	30	38%	6
I5L	M	1st	Twins - BP 170/100 Alb +++, Oedema of L.L	1.850	40	30	28%	6
I6L	F			1.400	38	28	20%	4
I7L	M	3rd	BP 180/120 - Oedema of L.L	2.150	43	32	53.7%	9
I8L	M	5th	Twins	1.900	43	31	31%	6
I9L	F			1.800	40.5	31	26%	5

TABLE NO. 5 : CLINICAL DATA, SM AND INSULIN LEVELS IN LOW BIRTH WEIGHT GROUP

CASE NO.	SEX	BIRTH ORDER	REMARKS	WEIGHT (kg)	LENGTH (cms)	SKULL CIRCUM (cms)	MATERNAL GLUCOSE (mg/100ml)	CROD GLUCOSE (mg/100ml)
1L	M	1st	BP 140/90-A1b +++ - Oedema of L.L for last 2 Months	2	43	31	60	40
2L	M	4th	Emesis for 3 Months - 8 days of Fever in the 8th Month - CS	2.500	46	33.5	67	50
3L	F	1st	Twins	1.500	40	30	54	34
4L				1.400	36.5	28.5		32
5L	F	1st	Twins - BP 130/70 - Oedema of L.L for 2 Months - Antepartum haemorrhage.	2	44	30.5	60	39
6L	M			1.900	43	30.5		36
7L	F	8th	Emesis for 3 Months	2.300	45	33	63	43
8L	M	1st	Low Socioeconomic	2.500	45.5	33	67	50
9L	M	5th	Low Socioeconomic	2.450	45	34	66	48
10L	M	3rd	Mother Rh. DM	2.370	43.5	32	64	45
11L	F	8th	Repeated neonatal deaths in 1st week jaundiced, Rh-ve	2.100	43	34	61	41
12L	M	5th	MS + AF + heart failure	2	43.5	31	60	40

CASE NO.	SEX	BIRTH ORDER	REMARKS	WEIGHT (kg)	LENGTH (cms)	SKULL CIRCUM (cms)	MATERNAL GLUCOSE (mg/100ml)	CORD GLUCOSE (mg/100ml)
I3L	F	4th	Placenta Previa-Severe vaginal bleeding - CS	2.350	44	32	63	44
I4L	F	Ist	Emesis till 5th Month	1.950	43	30	59	38
I5L	M	Ist	Twins - BP 170/100 Alb +++, oedema of LL.	1.850	40	30	58	35
I6L				1.400	38	28		31
I7L	M	3rd	BP 180/120 - Oedema of L.L.	2.150	43	32	62	41
I8L	M	5th	Twins	1.900	43	31	56	36
I9L	F			1.800	40.5	31		33

TABLE NO. 6 : CLINICAL DATA, MATERNAL AND CORD GLUCOSE LEVELS IN LOW BIRTHWEIGHT GROUP

CASE No.	SEX	BIRTH ORDER	REMARKS	WEIGHT (kg)	LENGTH (cms)	SKULL CIRCUM (cms)	LEVEL OF SM %	LEVEL OF INSULIN μ U/ml
1P	F	1st	36 weeks-Breech-Talipus equinovarus	2.500	46	32	72%	10
2P	M	4th	32 weeks - Antepartum haemorrhage - BP 120/110 - Alb +++ - oedema of L.L.	2	43	30	54%	6
3P	M	4th	36 weeks	2.700	47.5	33	79%	13
4P	F	2nd	36 weeks - Antepartum haemorrhage - placenta previa	2.500	46.5	32.5	70%	10
6P	F	1st	32 weeks - Antepartum haemorrhage - Placenta previa centralis	2.100	45	31.5	60%	9
7P	F	1st	28 weeks - Falling from stairs	0.850	34	21.5	13%	3
8P	M	8th	Twins-30 weeks - Antepartum haemorrhage - CS	1.300	37	28.5	33, 7%	4
9P	F			1.500	38	29	39, 7%	4
10P	F	4th	36 weeks	2.550	47	34	74%	11
11P	F	2nd	28 weeks - vaginal bleeding from 10 a.m to 3 p.m	1	34	24.5	20%	3

CASE NO.	SEX	BIRTH ORDER	REMARKS	WEIGHT (Kg)	LENGTH (cms)	SKULL CIRCUM (cms)	LEVEL OF SM %	LEVEL OF INSULIN $\mu\text{U/ml}$
I2P	F	6th	34 weeks	2.400	44	32	64%	9
I3P	M	1st	34 weeks - Maternal exertion	2.600	47.5	32.5	78%	12
I4P	M	5th	30 weeks	1.650	38.5	30	46%	5
I5P	F	1st	34 weeks - bleeding from 12 a.m to 6 p.m	2.400	43	32	62%	8
I6P	M	3rd	30 weeks - patulous Os	1.800	39	30.5	50%	6
I7P	M	3rd	30 weeks	1.750	39	30	48%	5
I8P	F	1st	29 weeks - Exertion	1.100	35	26	23%	4
I9P	F	2nd	28 weeks - trauma to the mother	0.550	33	20	9.7%	3

TABLE NO. 7 : CLINICAL DATA, SM AND INSULIN LEVELS IN PREMATURE GROUP

CASE No.	SEX	BIRTH ORDER	REMARKS	WEIGHT (kg)	LENGTH (cms)	SKULL CIRCUM (cms)	MATERNAL GLUCOSE (mg/100ml)	CORD GLUCOSE (mg/100ml)
1P	F	1st	36 weeks - Breech - Talipes equinovarus	2.500	46	32	74.6	55
2P	M	4th	32 weeks - Antepartum haemorrhage - BP 120/110 - Alb +++ - oedema of L.L	2	43	30	68	50
3P	M	4th	36 weeks	2.700	47.5	33	80	60
4P	F	2nd	36 weeks Antepartum haemorrhage - Placenta previa	2.500	46.5	32.5	74	55
6P	F	1st	32 weeks - Antepartum Haemorrhage - Placenta previa centralis	2.100	45	31.5	70	51
7P	F	1st	28 weeks - Falling from stairs	0.850	34	21.5	57	35
8P	M	8th	Twins - 30 weeks - Antepartum haemorrhage - CS	1.300	37	28.5	60	38
9P	F			1.500	38	29		40
10P	F	4th	36 weeks	2.550	47	34	76	57
11P	F	2nd	28 weeks - Vaginal bleeding from 10 a.m to 3 p.m	1	34	24.5	58	36

CASE No.	SEX	BIRTH ORDER	REMARKS	WEIGHT (kg)	LENGTH (cms)	SKULL CIRCUM (cms)	MATERNAL GLUCOSE (mg/100ml)	CORD GLUCOSE (mg/100ml)
12P	F	6th	34 weeks	2.400	44	32	72	53
13P	M	1st	34 weeks - Maternal Excretion	2.600	47.5	32.5	76	59
14P	M	5th	30 weeks	1.650	38.5	30	61	41
15P	F	1st	34 weeks - bleeding from 12 a.m to 6 p.m	2.400	43	32	72	52
16P	M	3rd	30 weeks - Patulous os	1.800	39	30.5	65	46
17P	M	3rd	30 weeks	1.750	39	30	64	44
18P	F	1st	29 weeks - Excretion	1.100	35	26	59	36
19P	F	2nd	28 weeks - Trauma to the mother	0.550	33	20	57	35

TABLE NO. 8 : CLINICAL DATA, MATERNAL AND CORD GLUCOSE LEVELS IN PREMATURE GROUP.

CASE No.	SEX	BIRTH ORDER	REMARKS	WEIGHT (Kg)	LENGTH (Cms)	SKULL CIRCUM (Cms)	LEVEL OF SGA %	LEVEL OF INSULIN μ U/ml
D ₁	F	9th Order +2 Miscariages	Diabetic for 11 Months - Hospitalisation of pt for 1 week - Delivery at 38w by CS - BP of mother 130/100 - short period of convulsions of the newborn	4.950	55	37	150%	78
D ₂	M	2nd Order +5 Miscariages	Diabetic for 5 years - Hospitalisation of pt for 4 weeks - Delivery at 38 w by CS - oedema of hands and feet for 1 week before delivery.	4.250	52	36	137%	68
D ₃	F	8th Order	Diabetic for 1 yrs - Hospitalisation of pt for 8 weeks - Delivery at 38w by CS	3.750	50	35	126%	60
D ₄	F	6th Order	Diabetic for 1½ yrs - Hospitalisation of pt for 7 weeks - Delivery at 38w by CS Oedema of hands and feet for 2 weeks.	3.850	51	36	130%	61
D ₅	M	1 st Order	Diabetic for 1½ yrs - Hospitalisation of pt for 4 weeks - Vaginal delivery at 32w	2.750	46	30.5	105%	32
D ₆	M	11th Order	Diabetic for 8yrs - Hospitalisation of pt for 4 weeks followed by escape of pt then return to hospital with antepartum haemorrhage + bleeding for 3 hours - delivery at 32w by CS - Malformation of cartilage of ear + Gum hypertrophy of newborn - Newborn died 3 days later.	2.900	47	34	108%	36
D ₇	F	2 nd Order	Diabetic for 3 yrs - Hospitalisation of pt for 10 weeks - Delivery at 38 w by CS BP of mother 140/90- Oedema of LL for the last month.	3.500	49	33	122, 6%	58

CASE No.	SEX	BIRTHORDER	REMARKS	WEIGHT (Kg)	LENGTH (Cms)	SKULL CIRCUM (Cms)	LEVEL OF Ska %	LEVEL OF INSULIN μ U/ml
D ₈	F	1 st Order 4 Pregnancies ended in death of fetuses	Diabetic for 8yrs - Hospitalisation of pt for 16 weeks - Delivery at 38w by CS-BP of mother 140/80 - Oedema of LL for 10 days	3.270	48.5	34	117, 6%	49
D ₉	M	3 rd Order	Diabetic for 4yrs - Hospitalisation of pt for 14 weeks - Delivery at 38w by CS	3.250	49	31.5	114%	47
D ₁₀	F	2 nd Order	Diabetic for 6yrs - Hospitalisation of pt for 5 weeks - Delivery at 38w by CS-BP of mother 140/100 - Oedema of hands and feet Plethoric baby	4.100	52	36	135%	65
D ₁₁	M	8th Order 3 pregnancies ended in death of fetuses	Diabetic for 4yrs - Hospitalisation of pt for 4 weeks - Vaginal delivery at 28w.	2.100	40	30	103%	30
D ₁₂	M	6th Order	Diabetic for 2 yrs - Hospitalisation of pt for 1 week - Delivery at 38w by CS	4.750	55	36.5	145%	75
D ₁₃	F	3 rd Order	Diabetic for 5yrs - Hospitalisation of pt for 18 weeks - Delivery at 38w by CS Talepus equinovarus of Rt foot - Syndactyly of 2nd and 3rd toe	3	44	32.5	112%	40
D ₁₄	F	8th Order last 2 pregnancies ended in 2 SB	Diabetic for 2yrs - Hospitalisation of pt for 11 weeks - Delivery at 38w by CS-BP of mother 140/100	3.500	49	34	120%	55

CASE No.	SEX	BIRTHORDER	REMARKS	WEIGHT (Kg)	LENGTH (Cms)	SKULL CIRCUM (Cms)	LEVEL OF SM %	LEVEL OF INSULIN μ U/ml
D ₁₅	M	2 nd Order	Diabetic for 2 yrs - Hospitalisation of pt for 4 weeks - Delivery at 38w by CS BP of mother 165/110	4.250	51.5	35.5	137%	69
D ₁₆	M	3 rd Order	Diabetic for 8 Months - Hospitalisation of pt for 10 weeks - Delivery at 38w by CS	3.500	50	35	122, 6%	57
D ₁₇	M	2 nd Order	Diabetic for 6 Months - Hospitalisation of pt for 10 weeks - Delivery at 38w by CS	3.500	49	34.5	120%	56
D ₁₈	F	4 th Order 2 previous babies over weight	Diabetic for 1½ yrs - Hospitalisation of pt for 7 weeks - Delivery at 38w by ventouse.	3.800	51	35	128%	60
D ₁₉	M	1 st Order	Diabetic for 10 Months - Hospitalisation of pt for 4 weeks - Delivery at 38w by vaginal route.	4.500	53	37	141%	71
D ₂₀	F	3 rd Order	Diabetic for 1½ yrs - Hospitalisation of pt for 2 weeks - Delivery at 38w by CS	4.700	54	36	144%	73
D ₂₁	F	2 nd Order	Diabetic for 1½ yrs - Hospitalisation of pt for 14 weeks - Delivery at 38w by CS	3.250	49	33	114%	45
D ₂₂	M	2 nd Order	Diabetic for 2yrs - Hospitalisation of pt for 12 weeks - Delivery at 38w by CS	3.400	50	34.5	119%	52
D ₂₃	F	1 st Order	Diabetic for 1½yrs - Hospitalisation of pt for 6 weeks - Delivery at 38w by CS	4	51	35.5	133, 6%	63

Table No.9 : Clinical data, SM and Insulin levels in the diabetic group

CASE No.	SEX	BIRTH ORDER	REMARKS	WEIGHT (Kg)	LENGTH (Cms)	SKULL CIRCUM (Cms)	MATERNAL GLUCOSE (mg/100ml)	CORD GLUCOSE (mg/100ml)
D ₁	F	9 th Order + 2 miscarriages	Diabetic for 11 Months - Hospitalisation of pt for 1 week - Delivery at 38 w by CS - BP of mother 130/100 - short period of convulsions of the newborn	4.950	55	37	170	130
D ₂	M	2 th Order + 5 miscarriages	Diabetic for 5 yrs - Hospitalisation of pt for 4 weeks - Delivery at 38w by CS oedema of hands and feet for 1 week before delivery.	4.250	52	36	157	116
D ₃	F	8 th Order	Diabetic for 1 yrs - Hospitalisation of pt for 8 weeks - Delivery at 38 w by CS	3.750	50	35	145	114
D ₄	F	6th Order	Diabetic for 1½ yrs - Hospitalisation of pt for 7 weeks - Delivery at 38 w by CS Oedema of hands and feet for 2 weeks.	3.850	51	36	152	110
D ₅	M	1 st Order	Diabetic for 1½ yrs - Hospitalisation of pt for 4 weeks - Vaginal delivery at 32 w.	2.750	46	30.5	89	80
D ₆	M	11th Order	Diabetic for 8 yrs - Hospitalisation of pt for 4 weeks followed by escape of pt then return to hospital with Antepartum haemorrhage + bleeding for 3 hours delivery at 32 w by CS - Malformation of cartilage of ear + Gum hypertrophy of newborn - Newborn died 3 days later.	2.900	47	34	96	90

CASE No.	SEX	BIRTH ORDER	REMARKS	WEIGHT (Kg)	LENGTH (Cms)	SKULL CIRCUM (Cms)	MATERNAL GLUCOSE (mg/100ml)	CORD GLUCOSE (mg/100ml)
D ₇	F	2 nd Order	Diabetic for 3 yrs - hospitalisation of pt for 10 weeks - Delivery at 38 w by CS BP of mother 140/90 - Oedema of L.L for the last month.	3.500	49	33	140	110
D ₈	F	1 st Order 4 pregnancies ended in death of fetuses	Diabetic for 8 yrs - hospitalisation of pt for 16 weeks - Delivery at 38 w by CS-BP of mother 110/80 - Oedema of LL for 10 days.	3.270	48.5	34	125	102
D ₉	M	3 rd Order	Diabetic for 4 yrs - hospitalisation of pt for 14 weeks - Delivery at 38w by CS	3.250	49	31.5	120	101
D ₁₀	F	2 nd Order	Diabetic for 6 yrs - hospitalisation of pt for 5 weeks - Delivery at 38w by CS-BP of mother 140/100 - Oedema of hands and feet - Plethoric baby.	4.100	52	36	156	115
D ₁₁	M	8th Order 3 pregnancies ended in death of fetuses	Diabetic for 4 yrs - hospitalisation of pt for 4 weeks - Vaginal delivery at 28 w.	2.100	40	30	86	76
D ₁₂	M	6th Order	Diabetic for 2 yrs - hospitalisation of pt for 1 week - Delivery at 38 w by CS	4.750	55	36.5	165	128
D ₁₃	F	3 rd Order	Diabetic for 5 yrs - hospitalisation of pt for 18 weeks - Delivery at 38 w by CS Talepus equinovarus of Rt foot - Syndactyly of 2 nd and 3 rd toe.	3.	44	32.5	110	96

CASE No.	SEX	BIRTH ORDER	REMARKS	WEIGHT (Kg)	LENGTH (Cms)	SKULL CIRCUM (Cms)	MATERNAL GLUCOSE (mg/100ml)	CORD GLUCOSE (mg/100ml)
D ₁₄	F	8th Order last 2 pregnancies ended in 2 S.B	Diabetic for 2 yrs - Hospitalisation of pt for 11 weeks - Delivery at 38 w by CS BP of mother 140/100	3.500	49	34	132	106
D ₁₅	M	2 nd Order	Diabetic for 2 yrs - Hospitalisation of pt for 4 weeks - Delivery at 38 w by CS - BP of mother 165/110	4.250	51.5	35.5	158	118
D ₁₆	M	3 rd Order	Diabetic for 8 Months - Hospitalisation of pt for 10 weeks - Delivery at 38 w by CS	3.500	50	35	138	108
D ₁₇	M	2 nd Order	Diabetic for 6 months - Hospitalisation of pt for 10 weeks - Delivery at 38 w by CS	3.500	49	34.5	136	107
D ₁₈	F	4th Order 2 previous babies overweight	Diabetic for 1½ yrs - Hospitalisation of pt for 7 weeks - Delivery at 38 w by Ventouse.	3.800	51	35	150	110
D ₁₉	M	1 st Order	Diabetic for 10 Months - Hospitalisation of pt for 4 weeks - Delivery at 38 w by vaginal route.	4.500	53	37	160	120
D ₂₀	F	3 rd Order	Diabetic for 1½ yrs - Hospitalisation of pt for 2 weeks - Delivery at 38 w by CS	4.700	54	36	162	125
D ₂₁	F	2 nd Order	Diabetic for 1½ yrs - Hospitalisation of pt for 14 weeks - Delivery at 38 w by CS	3.250	49	33	118	100

CASE No.	SEX	BIRTH ORDER	REMARKS	WEIGHT (Kg)	LENGTH (Cms)	SKULL CIRCUM (Cms)	MATERNAL GLUCOSE (mg/100ml)	CORD GLUCOSE (mg/100ml)
D ₂₂	M	2 nd Order	Diabetic for 2 yrs - Hospitalisation of pt for 12 weeks - Delivery at 38 w by CS	3.400	50	34.5	130	104
D ₂₃	F	1 st Order	Diabetic for 1½ yrs - Hospitalisation of pt for 6 weeks - Delivery at 38 w by CS.	4	51	35.5	154	113

Table No.10 : Clinical data, Maternal and Cord Glucose Levels in the Diabetic Group

CASE No.	DURATION OF HOSPITALISATION	WEIGHT (Kg)	LENGTH (Cms)	SKULL CIRCUM (Cms)	MATERNAL GLUCOSE (mg/100ml)	CORD GLUCOSE (mg/100ml)	LEVEL OF INSULIN uU/ml	LEVEL OF SM
SHORT TERM THERAPY (uncontrolled cases)								
D1	1 week hospitalisation	4.950	55	37	170	130	78	150%
D2	4 weeks hospitalisation	4.250	52	36	157	116	68	137%
D4	7 weeks hospitalisation	3.850	51	36	152	110	61	130%
D10	5 weeks hospitalisation	4.100	52	36	156	115	65	135%
D12	1 week hospitalisation	4.750	55	36.5	165	128	75	145%
D15	4 weeks hospitalisation	4.250	51.5	35.5	158	118	69	137%
D18	7 weeks hospitalisation	3.800	51	35	150	110	60	128%
D19	4 weeks hospitalisation	4.500	53	37	160	120	71	141%
D20	2 weeks hospitalisation	4.700	54	36	162	125	73	144%
D23	6 weeks hospitalisation	4	51	35	154	113	63	133.6%

Table No. 11 : CLINICAL DATA, MATERNAL AND CORD GLUCOSE LEVELS, SM AND INSULIN LEVELS IN THE DIABETIC

GROUP RECEIVING SHORT TERM THERAPY.

CASE No.	DURATION OF HOSPITALISATION	WEIGHT (Kg)	LENGTH (Cms)	SKULL CIRCUM (Cms)	MATERNAL GLUCOSE (mg/100ml)	CORD GLUCOSE (mg/100ml)	LEVEL OF INSULIN μ U/ml	LEVEL OF SM %
Long term therapy (controlled cases)								
D3	8 weeks hospitalisation	3.750	50	35	145	114	60	126%
D7	10 weeks hospitalisation	3.500	49	33	140	110	58	122.6%
D8	16 weeks hospitalisation	3.270	48.5	34	125	102	49	117.6%
D9	14 weeks hospitalisation	3.250	49	31.5	120	101	47	114%
D13	18 weeks hospitalisation	3	44	32.5	110	98	40	112%
D14	11 weeks hospitalisation	3.500	49	34	132	106	55	120%
D16	10 weeks hospitalisation	3.500	50	35	138	108	57	122.6%
D17	10 weeks hospitalisation	3.500	49	34.5	136	107	56	120%
D21	14 weeks hospitalisation	3.250	49	33	118	100	45	114%
D22	12 weeks hospitalisation	3.400	50	34.5	130	104	52	119%

Table No.12 : CLINICAL DATA, MATERNAL AND CORD GLUCOSE LEVELS, SM AND INSULIN LEVELS IN THE DIABETIC GROUP RECEIVING LONG TERM THERAPY.

TABLE No. 13 : SHOWS RANGE, MEAN, STANDARD DEVIATION OF
WEIGHT, LENGTH, SKULL CIRCUMFERENCE OF NEWBORN

IN CONTROL GROUP

	WEIGHT (Kg)	LENGTH (Cms)	SKULL CIRCUM (Cms)
RANGE	3.250 - 3.700	49 - 51	33 - 35
MEAN	3.44	49.69	34.64
SD	± 0.13	± 0.57	± 0.56

IN INTERMEDIATE GROUP

	WEIGHT (Kg)	LENGTH (Cms)	SKULL CIRCUM (Cms)
RANGE	2.800 - 3.200	46 - 49	33 - 35
MEAN	3	48.25	33.92
SD	± 0.14	± 0.87	± 0.63

IN LOW BIRTHWEIGHT GROUP

	WEIGHT (Kg)	LENGTH (Cms)	SKULL CIRCUM (Cms)
RANGE	1.400 - 2.500	36.5 - 45.5	28 - 34
MEAN	2.02	42.60	31.3
SD	± 0.34	± 2.52	± 1.7

IN PREMATURE GROUP

	WEIGHT (Kg)	LENGTH (Cms)	SKULL CIRCUM (Cms)
RANGE	0.550 - 2.700	33 - 47.5	20 - 34
MEAN	1.85	40.94	29.42
SD	± 0.67	± 5.12	± 3.97

IN DIABETIC GROUP

	WEIGHT (Kg)	LENGTH (Cms)	SKULL CIRCUM (Cms)
RANGE	3 - 4.950	44 - 55	31.5 - 37
MEAN	3.85	50.65	34.85
SD	± 0.56	± 2.54	± 1.51

IN UNCONTROLLED DIABETIC GROUP

	WEIGHT (Kg)	LENGTH (Cms)	SKULL CIRCUM (Cms)
RANGE	3.800 - 4.950	51 - 55	35.5 - 37
MEAN	4.31	52.55	36.0
SD	± 0.40	± 1.61	± 0.71

	CONTROL	L.B.W	PREMATURE	INTERMEDIATE
NUMBER	18	19	18	12
MEAN	25.78	7.68	6.94	19.33
$\bar{x}$ SD	1.59	2.67	3.33	1.92
t		25.13	21.65	9.63
P		LESS THAN 0.001	LESS THAN 0.001	LESS THAN 0.001

TABLE No. 14: SHOWS THE MEAN LEVELS OF INSULIN IN CORD BLOOD IN THE LEW, PREMATURE, INTERMEDIATE COMPARED WITH CONTROL GROUP.

	CONTROL	DIABETIC		
		ALL CASES	SHORT TERM	LONG TERM
NUMBER	18	20	10	10
MEAN	25.78	60.10	68.30	51.90
$\bar{x}$ SD	1.59	10.39	6.06	6.47
t		14.60	5.86	
P		LESS THAN 0.001	LESS THAN 0.001	

TABLE No. 15 : SHOWS THE MEAN LEVELS OF INSULIN IN CORD BLOOD IN THE DIABETIC COMPARED WITH CONTROL GROUP.

t TEST OF INSULIN IN LONG TERM THERAPY VERSUS SHORT TERM THERAPY.

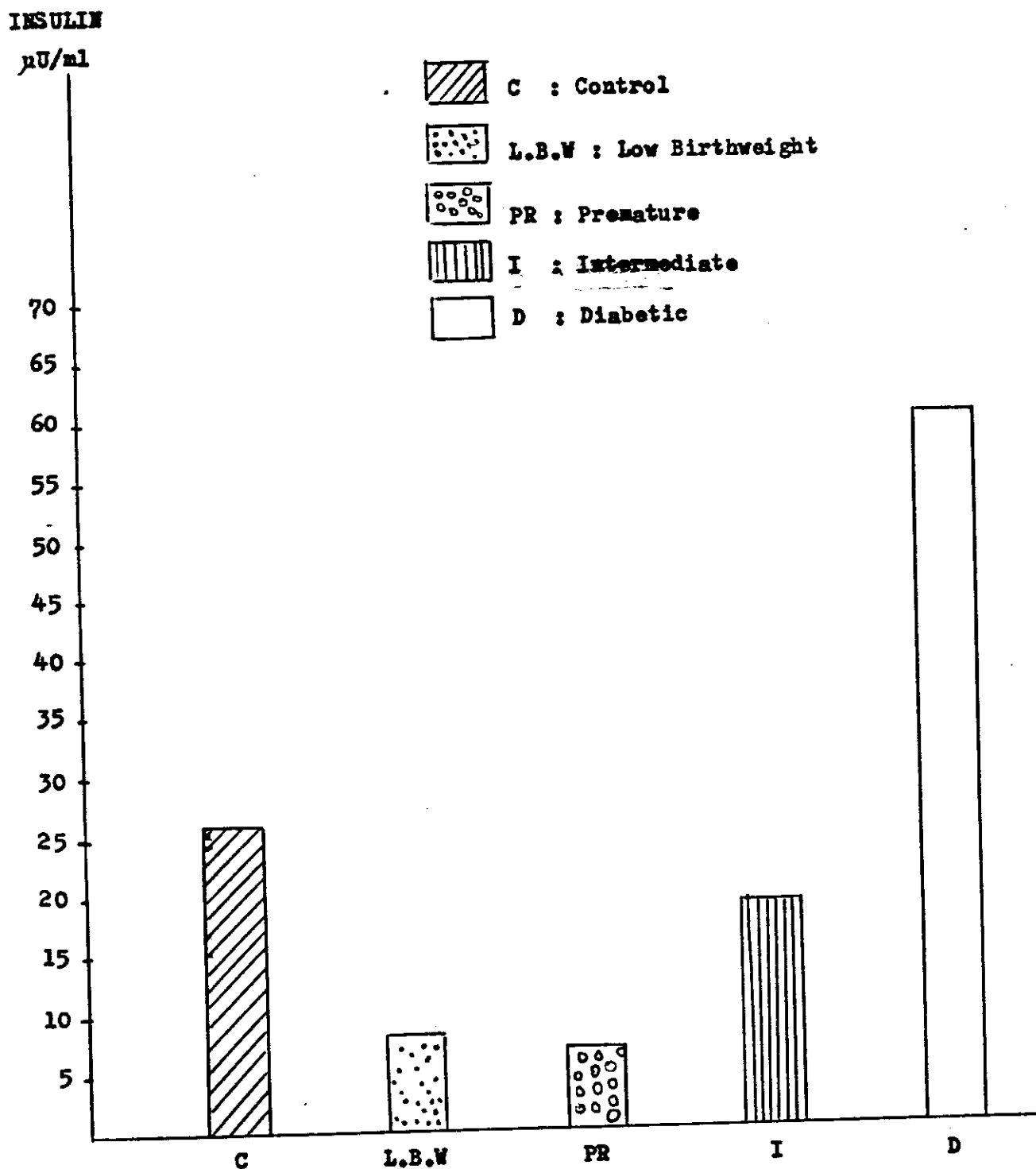
	CONTROL	L.B.W	PREMATURE	INTERMEDIATE
NUMBER	18	19	18	12
MEAN	100	46.11	49.78	90.48
± SD	-	19.74	22.43	4.22
t		11.98	9.49	7.80
P		LESS THAN 0.001	LESS THAN 0.001	LESS THAN 0.001

Table No. 16 : SHOWS THE MEAN LEVELS OF SOMATOMEDIN
IN CORD BLOOD IN THE LBW, PREMATURE, INTERMEDIATE
COMPARED WITH CONTROL GROUP.

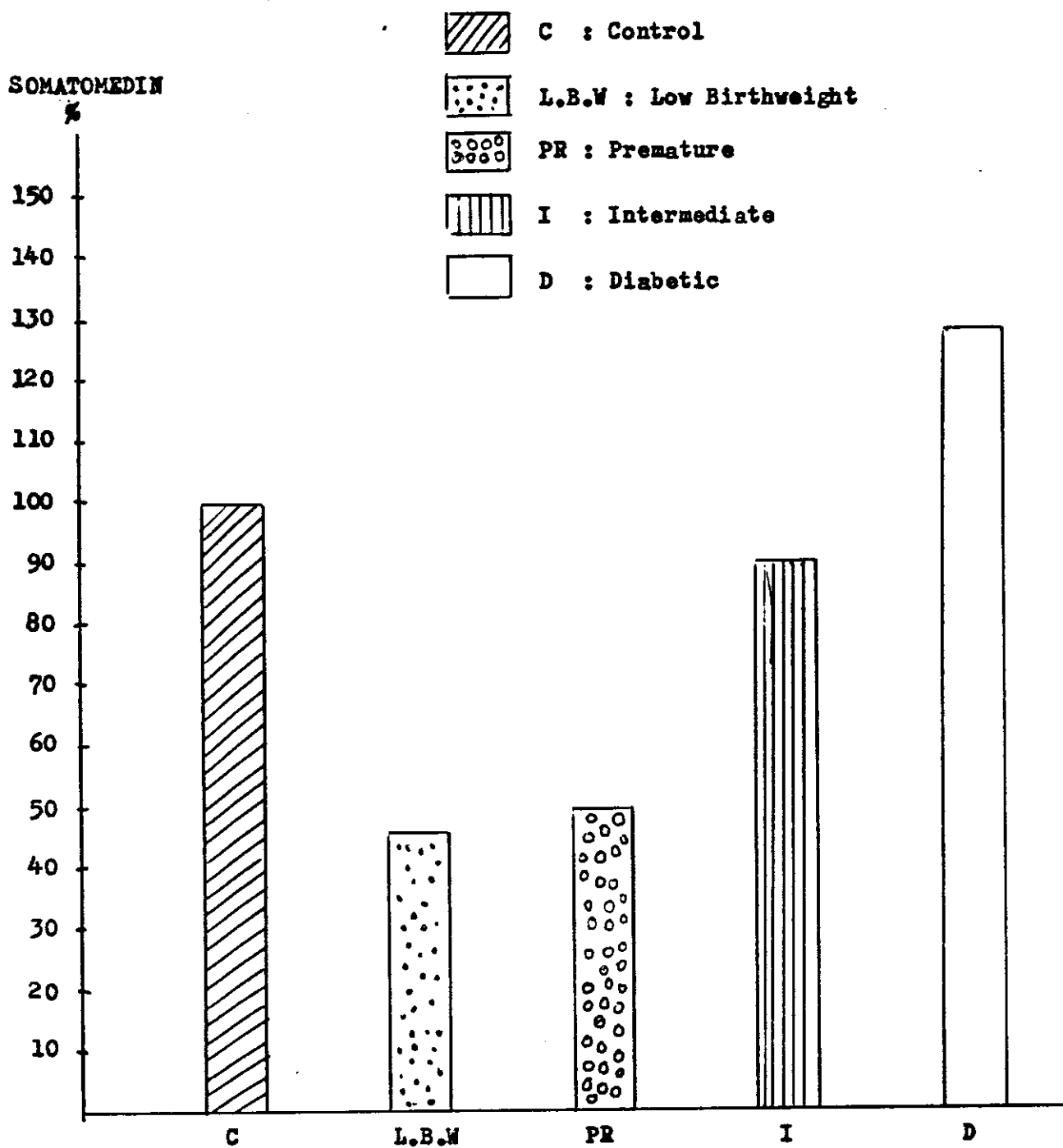
	CONTROL	DIABETIC		
		ALL CASES	SHORT TERM	LONG TERM
NUMBER	18	20	10	10
MEAN	100	128.42	138.06	118.78
± SD	-	11.40	6.93	4.44
t		11.15	* 7.42	
P		LESS THAN 0.001	LESS THAN 0.001	

Table No. 17 : SHOWS THE MEAN LEVELS OF SOMATOMEDIN
IN CORD BLOOD IN THE DIABETIC COMPARED WITH CONTROL
GROUP.

* t TEST OF INSULIN IN LONG TERM THERAPY (CONTROLLED)
VERSUS SHORT TERM THERAPY (UNCONTROLLED DIABETICS)



BARR GRAPH No. I : SHOWS THE MEAN LEVELS OF INSULIN IN CORD BLOOD IN THE CONTROL AND OTHER GROUPS.



BARR GRAPH No. 2 : SHOWS THE MEAN LEVELS OF SOMATOMEDIN
IN CORD BLOOD IN THE CONTROL AND OTHER GROUPS

	INSULIN uU/ml		
	r	P	Regression equation
Insulin to Weight	0.915	Less than 0.001	$Y = 1.54 + 0.1x$
Insulin to Length	0.63	Less than 0.001	$Y = 43.85 + 0.23x$
Insulin to Skull circum	0.47	Less than 0.05	$Y = 30.16 + 0.12x$

Table No. 18: SHOWS THE CORRELATIONS OF INSULIN TO
WEIGHT, LENGTH and SKULL CIRCUM. IN THE CONTROL

	INSULIN $\mu\text{U/ml}$		
	r	P	REGRESSION EQUATION
INSULIN TO WEIGHT	0.970	LESS THAN 0.001	$Y = 1.06 + 0.12x$
INSULIN TO LENGTH	0.852	LESS THAN 0.001	$Y = 36.4 + 0.80x$
INSULIN TO SKULL CIRCUM	0.89	LESS THAN 0.001	$Y = 26.97 + 0.56x$
INSULIN TO SM	0.990	LESS THAN 0.001	$Y = 10.24 + 7.33x$

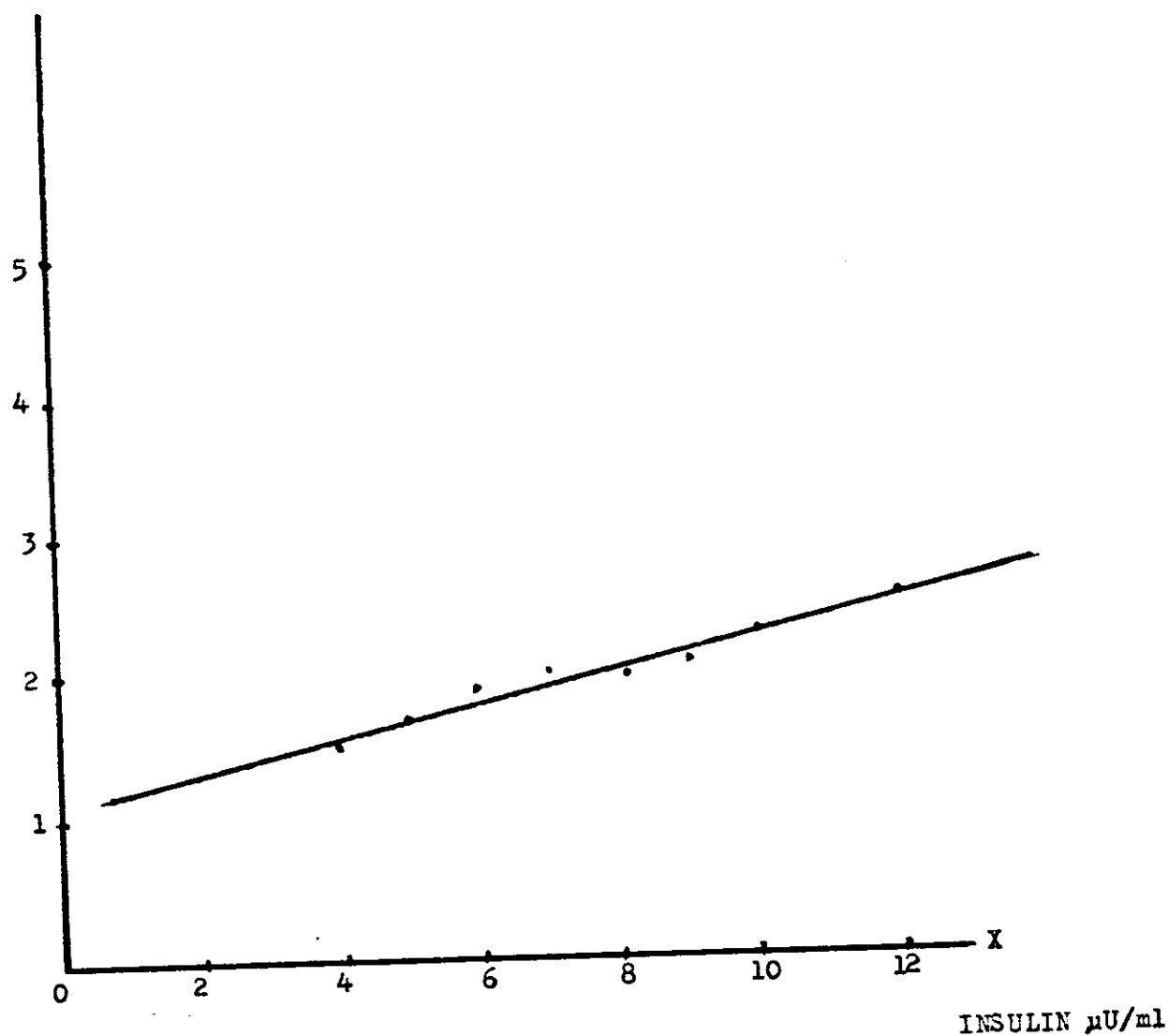
TABLE No.19 : SHOWS THE CORRELATIONS OF INSULIN TO WEIGHT, LENGTH, SKULL CIRCUM AND SM IN THE L.B.W.

	SOMATOMEDIN %		
	r	P	REGRESSION EQUATION
SM TO WEIGHT	0.960	LESS THAN 0.001	$Y = 1.25 + 0.02x$
SM TO LENGTH	0.850	LESS THAN 0.001	$Y = 37.61 + 0.11x$
SM TO SKULL CIRCUM	0.88	LESS THAN 0.001	$Y = 27.81 + 0.1x$

TABLE No.20 : SHOWS THE CORRELATIONS OF SOMATOMEDIN TO WEIGHT, LENGTH AND SKULL CIRCUM IN THE L.B.W.

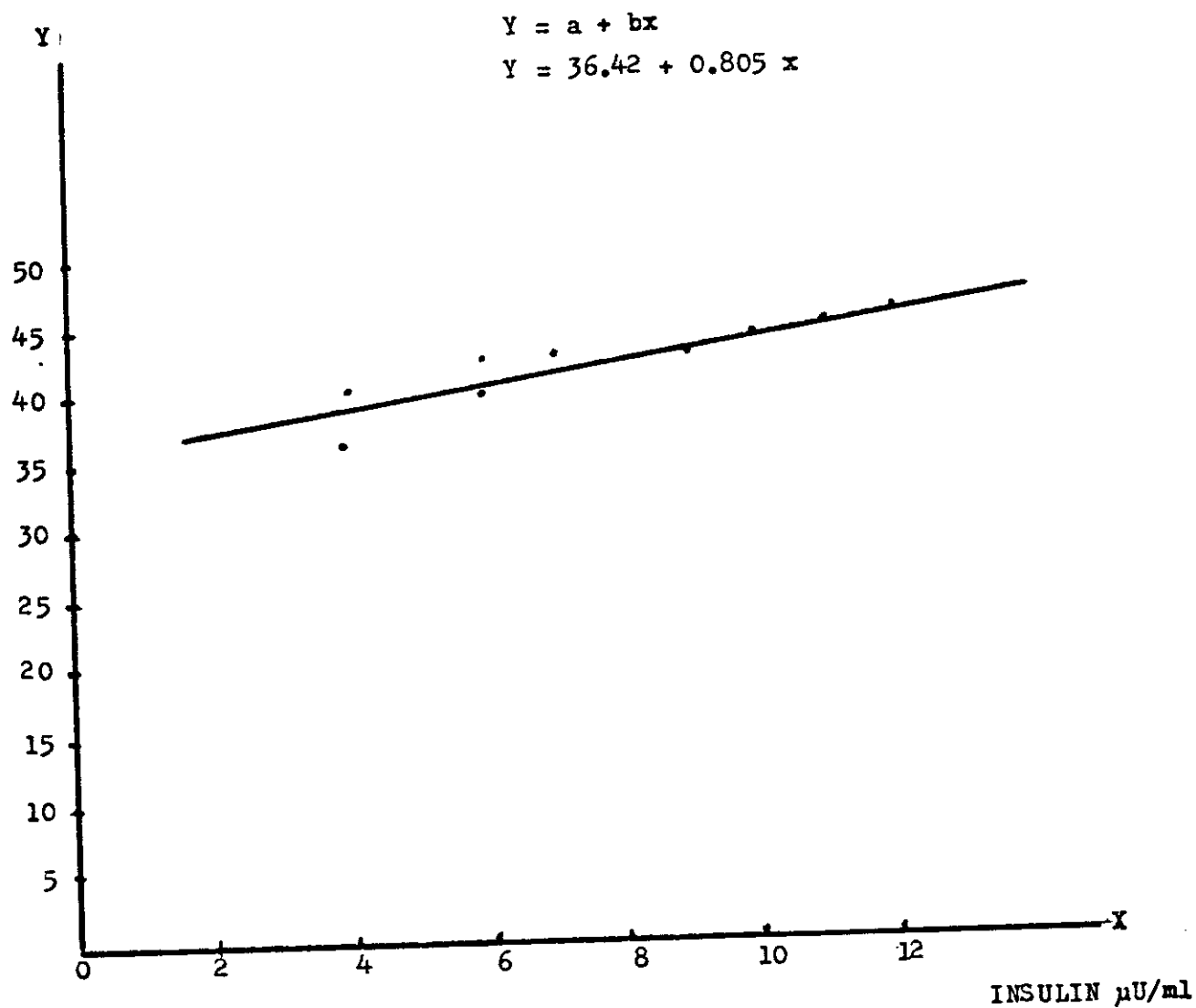
WEIGHT
(Kg)
Y

$$Y = a + bx$$
$$Y = 1.06 + 0.125 x$$



CURVE No. 1 : SHOWS THE CORRELATION OF INSULIN TO WEIGHT
IN THE LOW BIRTHWEIGHT

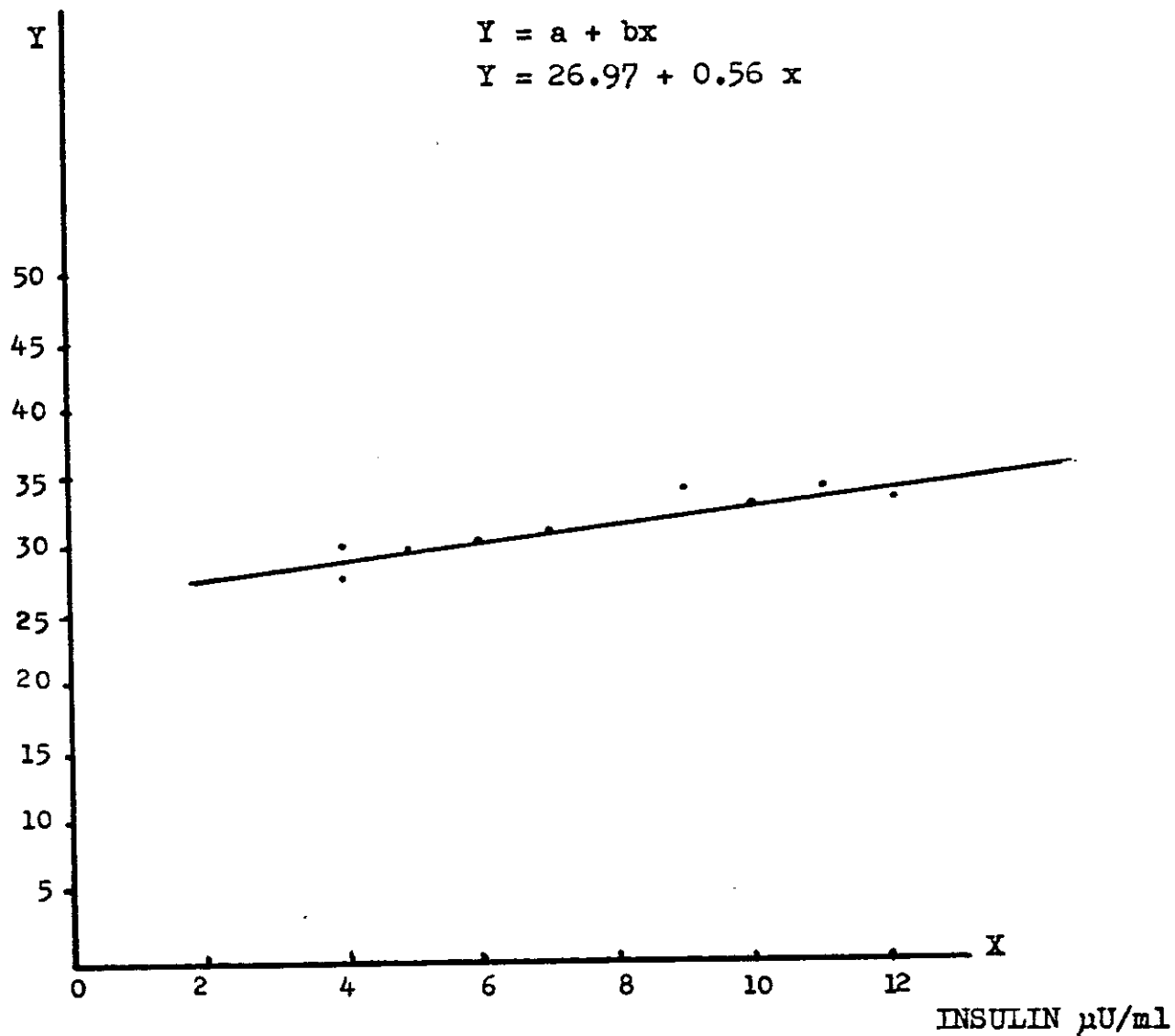
LENGHT
(Cms)



CURVE No.2 : SHOWS THE CORRELATION OF INSULIN TO LENGHT
IN THE LOW BIRTHWEIGHT

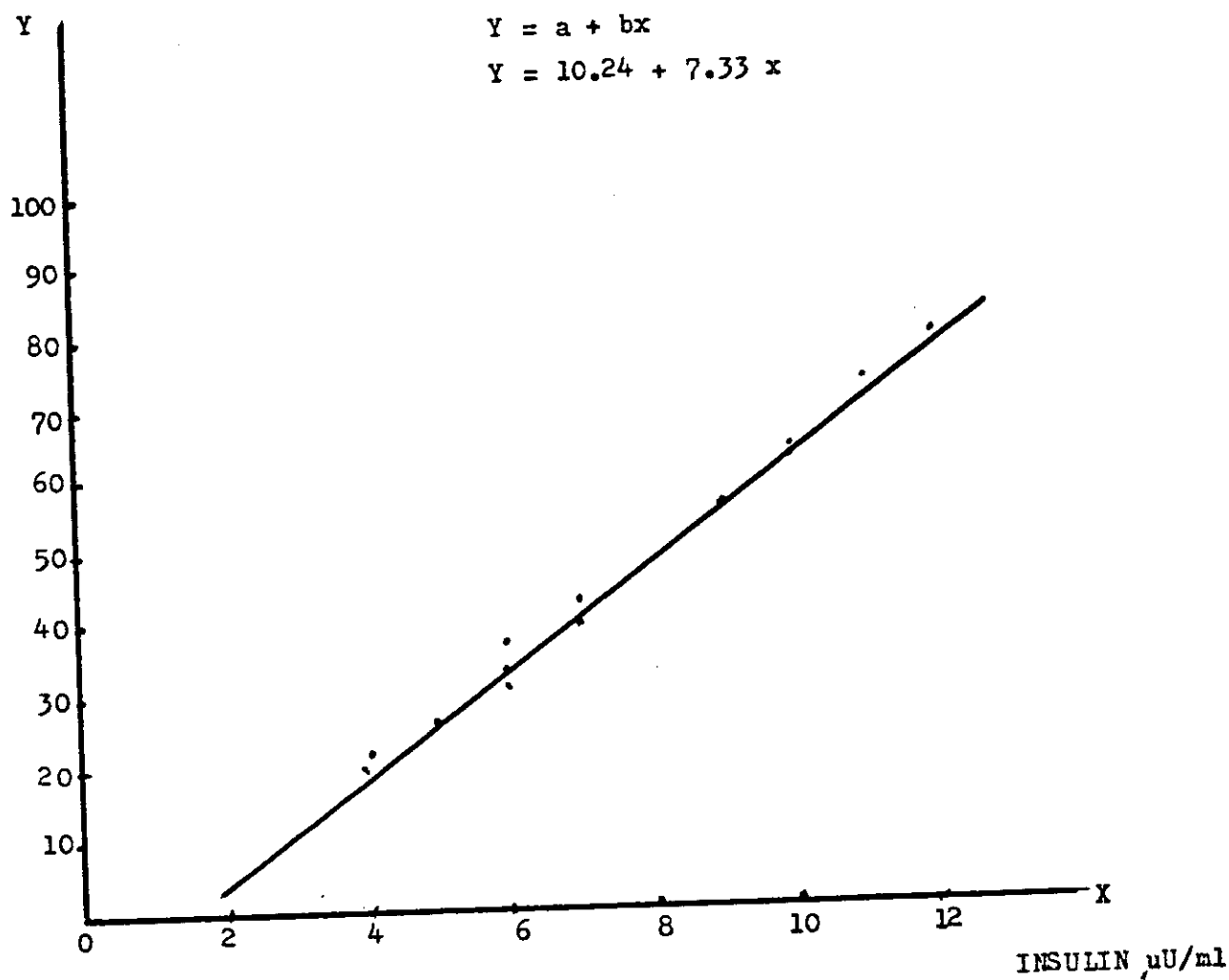
SKULL CIRCUM.

(Cms)

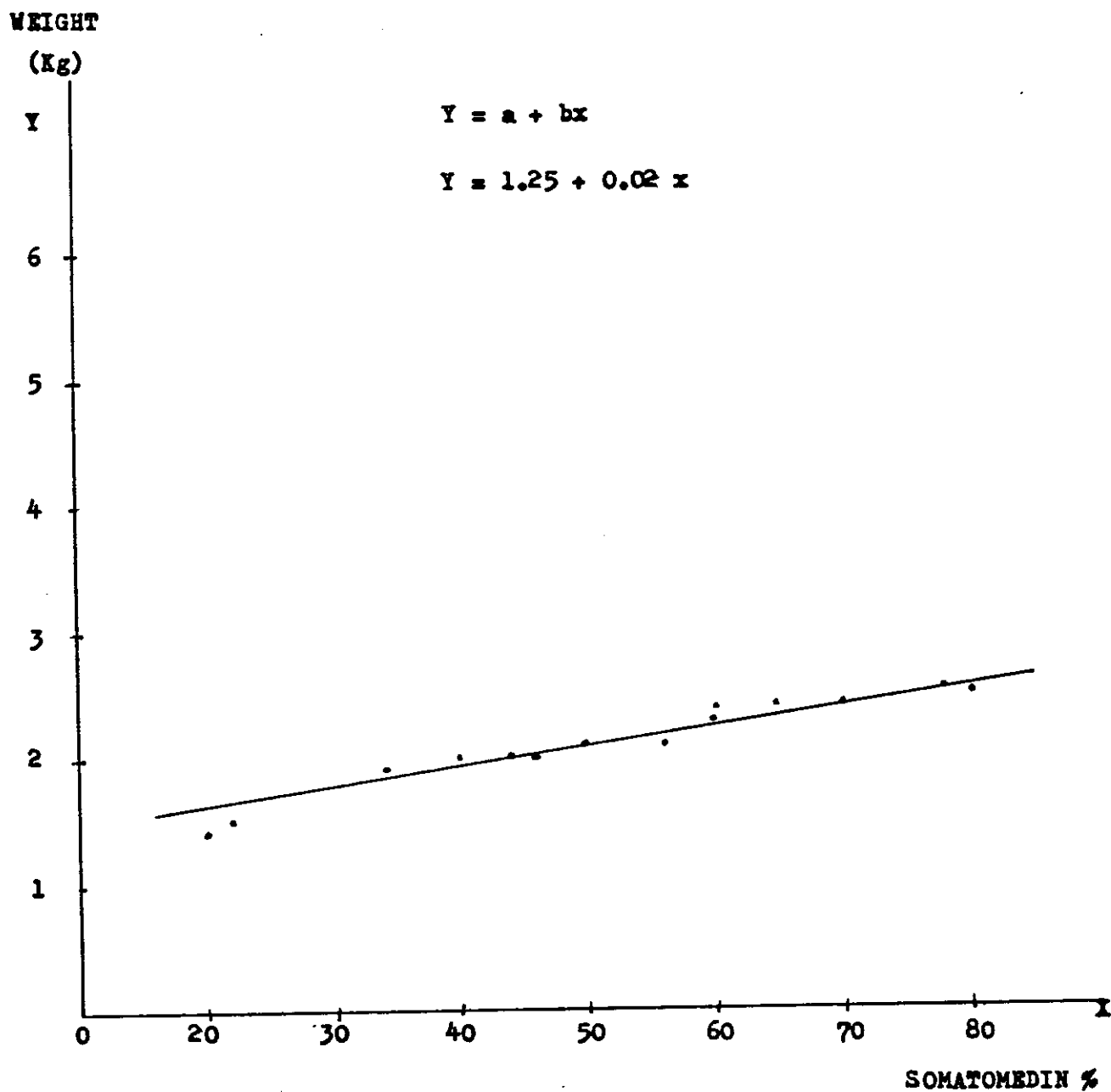


CURVE No. 3 : SHOWS THE CORRELATION OF INSULIN TO SKULL CIRCUMFERENCE IN THE LOW BIRTHWEIGHT

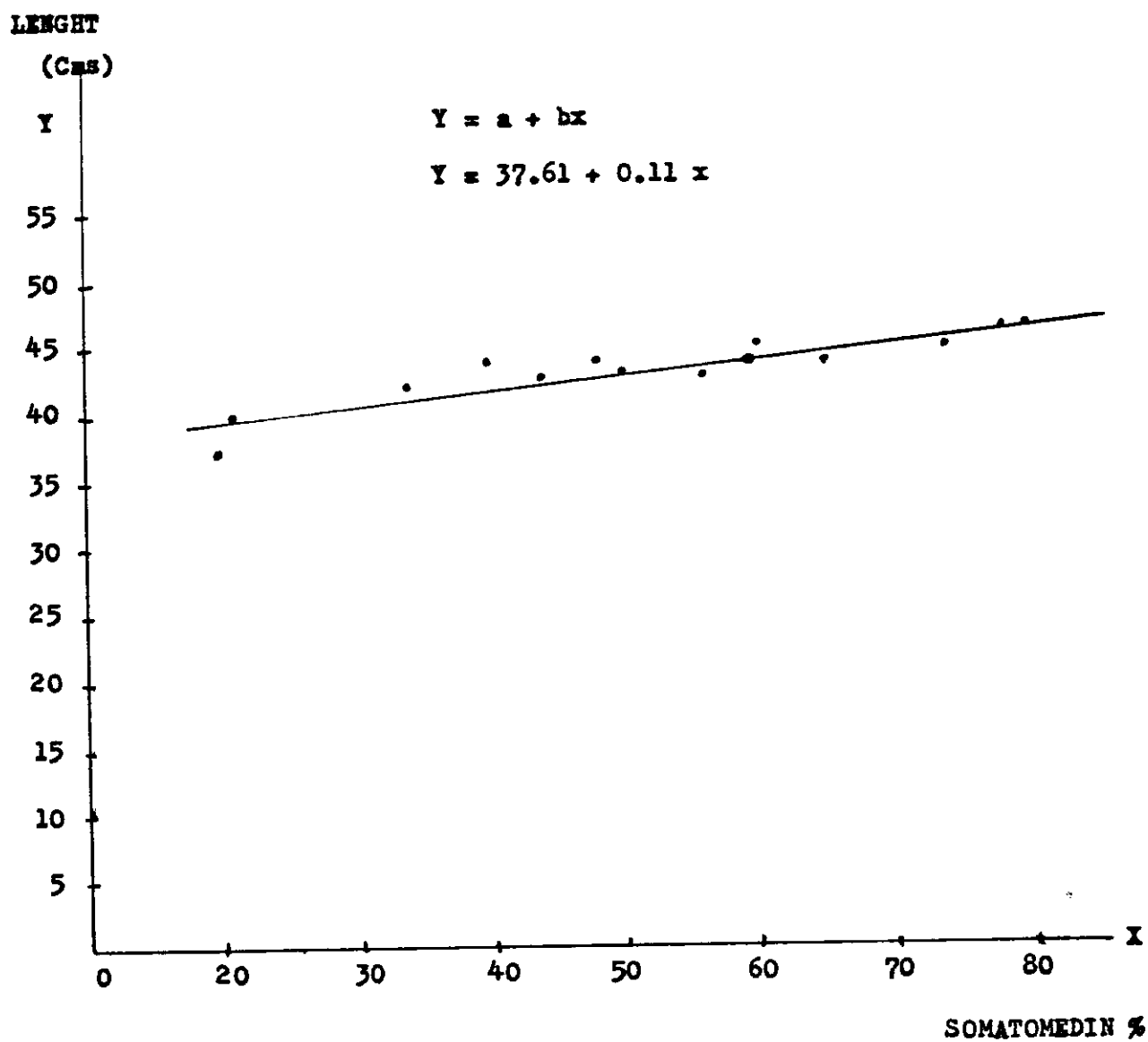
SOMATOMEDIN
%



CURVE No.4 : SHOWS THE CORRELATION OF INSULIN TO
SOMATOMEDIN IN THE LOW BIRTHWEIGHT

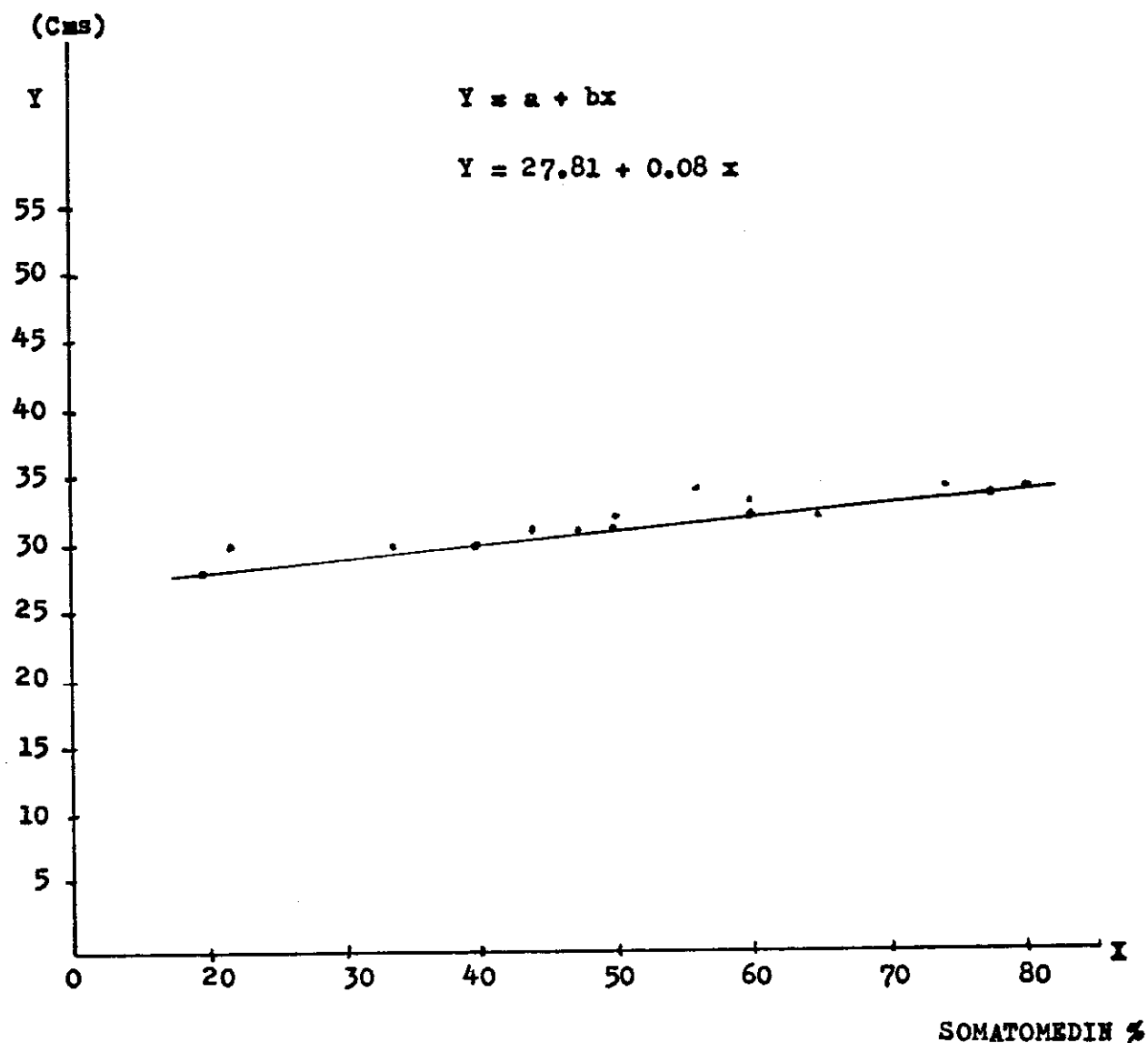


CURVE No. 5 : SHOWS THE CORRELATION OF SOMATOMEDIN TO
WEIGHT IN THE LOW BIRTHWEIGHT



CURVE No. 6 : SHOWS THE CORRELATION OF SOMATOMEDIN TO
LENGTH IN THE LOW BIRTHWEIGHT

SKULL CIRCUM.



CURVE No. 7 : SHOWS THE CORRELATION OF SOMATOMEDIN
TO SKULL CIRCUMFERENCE IN THE LOW BIRTHWEIGHT

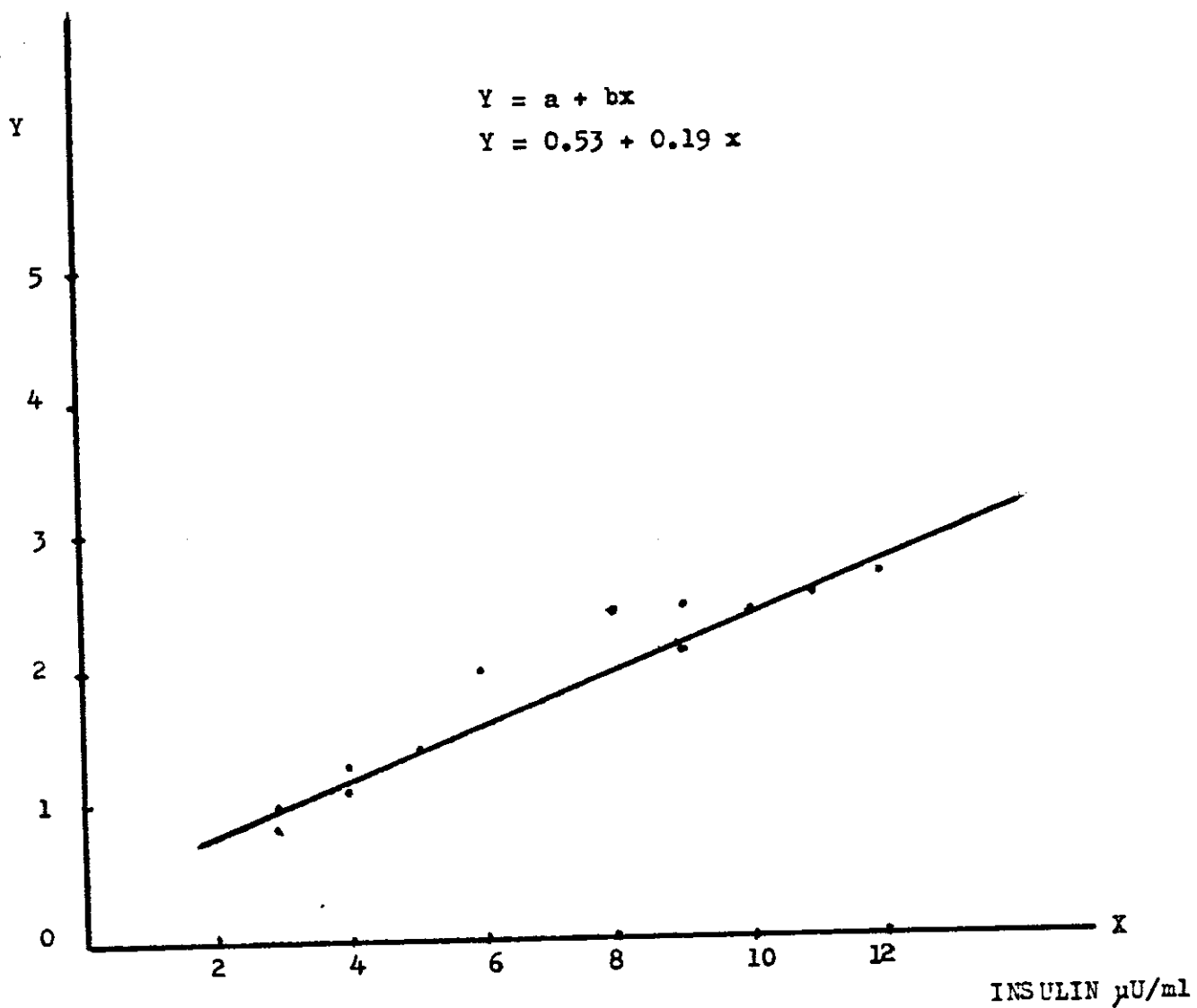
	INSULIN μ U/ml		
	r	P	REGRESSION EQUATION
INSULIN TO WEIGHT	0.930	LESS THAN 0.001	$Y = 0.53 + 0.19x$
INSULIN TO LENGTH	0.960	LESS THAN 0.001	$Y = 30.7 + 1.47x$
INSULIN TO SKULL CIRCUM	0.82	LESS THAN 0.001	$Y = 22.7 + 0.97x$
INSULIN TO GESTATIONAL AGE	0.94	LESS THAN 0.001	$Y = 26.0 + 0.84x$
INSULIN TO SM	0.94	LESS THAN 0.001	$Y = 5.9 + 6.32x$

TABLE No.21 : SHOWS THE CORRELATIONS OF INSULIN TO WEIGHT, LENGTH, SKULL CIRCUM, GESTATIONAL AGE AND SM IN THE PREMATURE

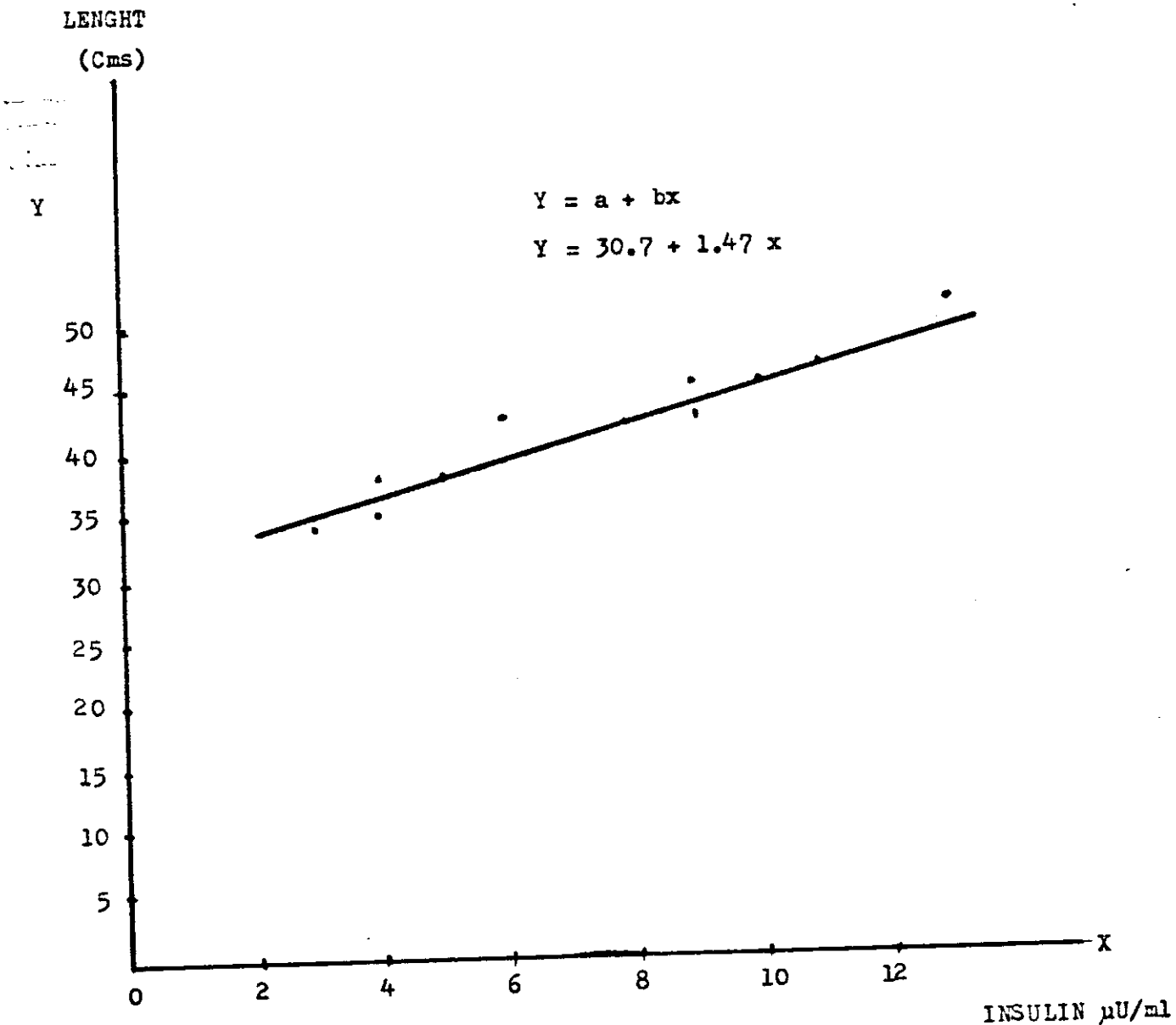
	SOMATOMEDIN %		
	r	P	REGRESSION EQUATION
SM TO WEIGHT	0.993	LESS THAN 0.001	$Y = 0.36 + 0.03x$
SM TO LENGTH	0.979	LESS THAN 0.001	$Y = 29.82 + 0.22x$
SM TO SKULL CIRCUM	0.950	LESS THAN 0.001	$Y = 21.05 + 0.17x$
SM TO GESTATIONAL AGE	0.930	LESS THAN 0.001	$Y = 25.65 + 0.12x$

TABLE No.22 : SHOWS THE CORRELATIONS OF SOMATOMEDIN TO WEIGHT, LENGTH SKULL CIRCUM AND GESTATIONAL AGE IN THE PREMATURE.

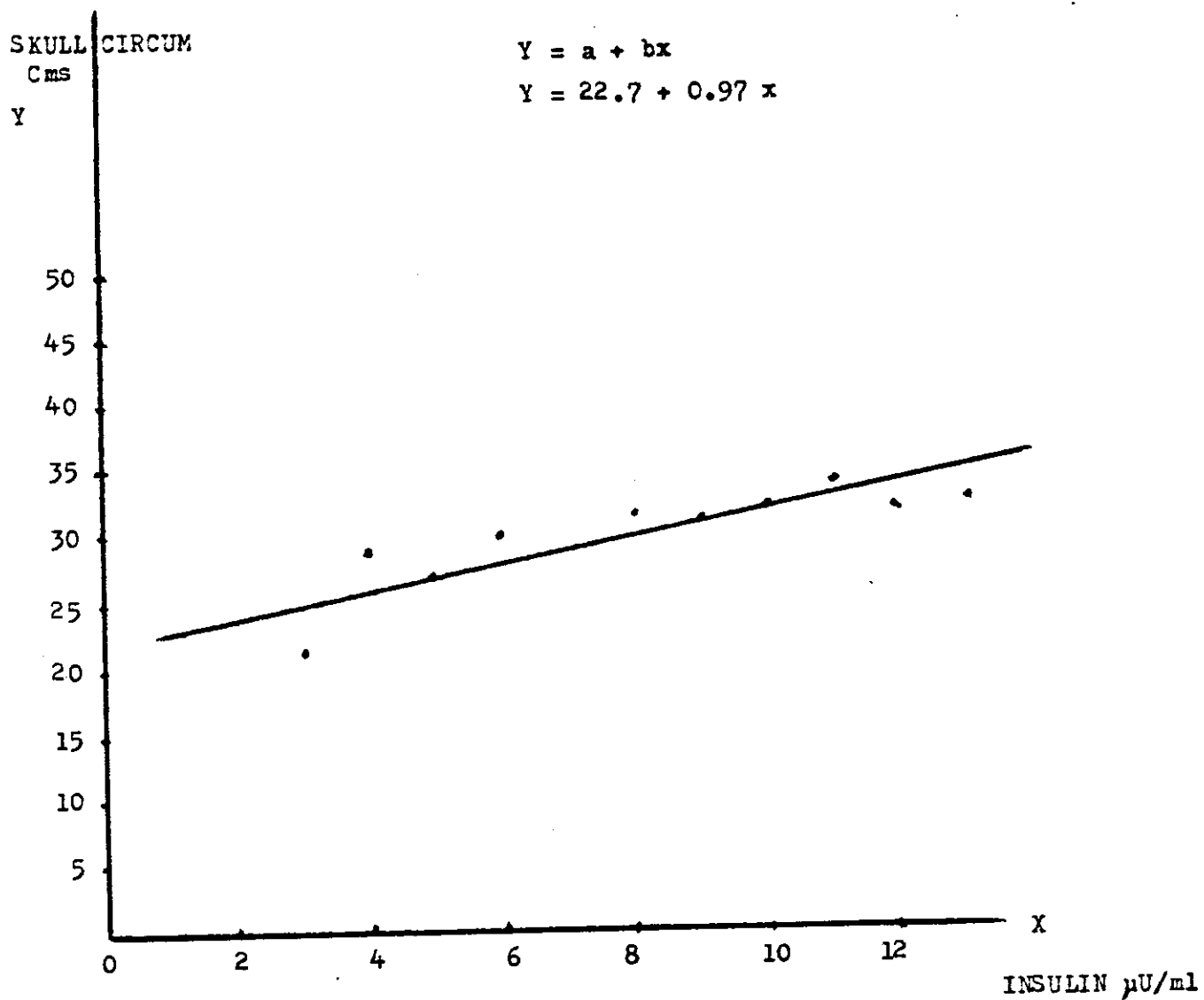
WEIGHT
(KG)



CURVE No. 8 : SHOWS THE CORRELATION OF INSULIN TO WEIGHT
IN THE PREMATURE



CURVE No. 9 : SHOWS THE CORRELATION OF INSULIN TO LENGHT
IN THE PREMATURE



CURVE No.10 : SHOWS THE CORRELATION OF INSULIN TO SKULL CIRCUM
FERENCE IN THE PREMATURE

GESTATIONAL AGE

(WEEKS)

Y

$$Y = a + bx$$

$$Y = 26 + 0.84 x$$

39

38

37

36

35

34

33

32

31

30

29

28

2

4

6

8

10

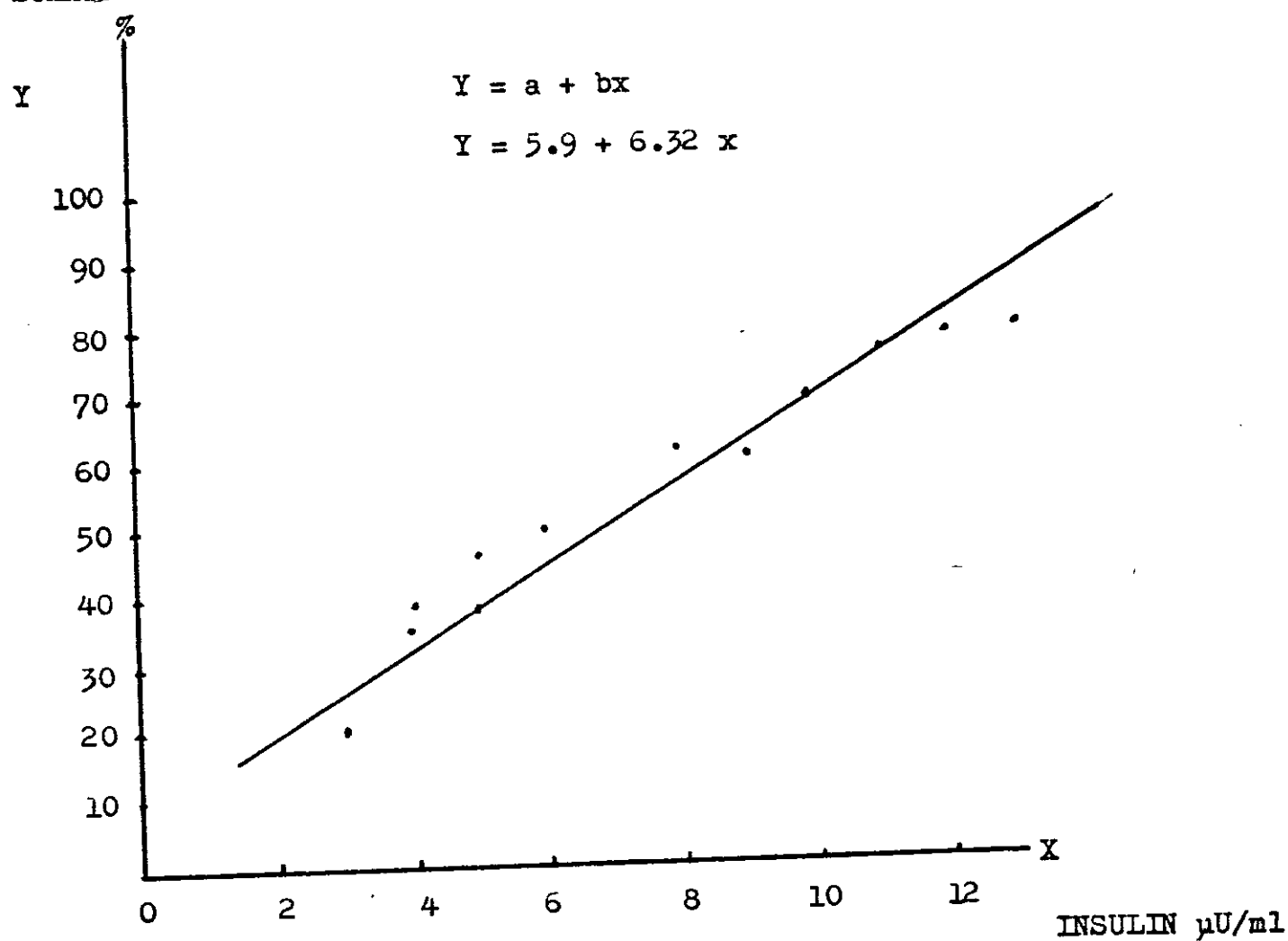
12

INSULIN μ U/ml

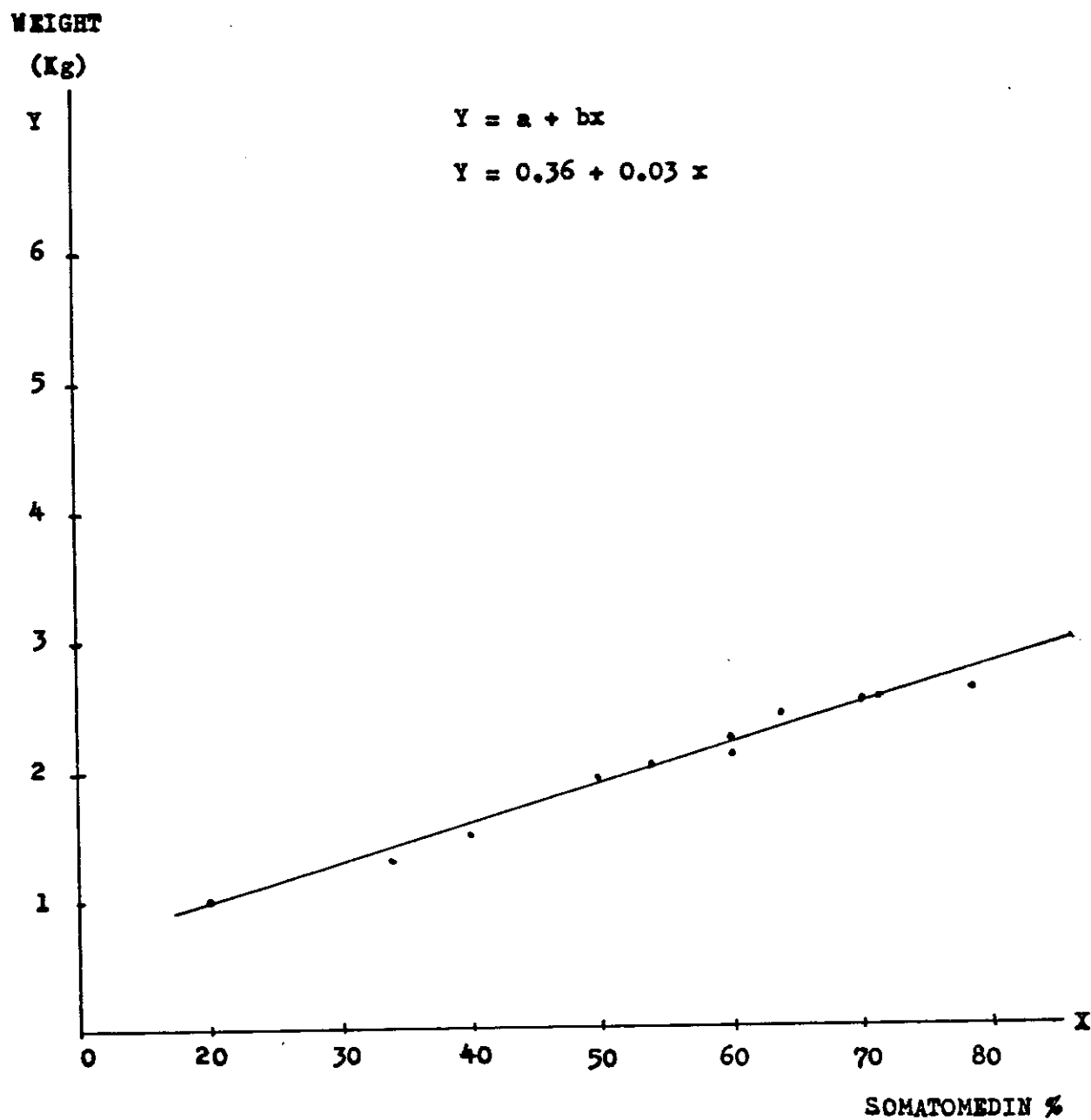
X

CURVE No 11 SHOWS THE CORRELATION OF INSULIN TO GESTATIONAL AGE IN THE PREMATURE

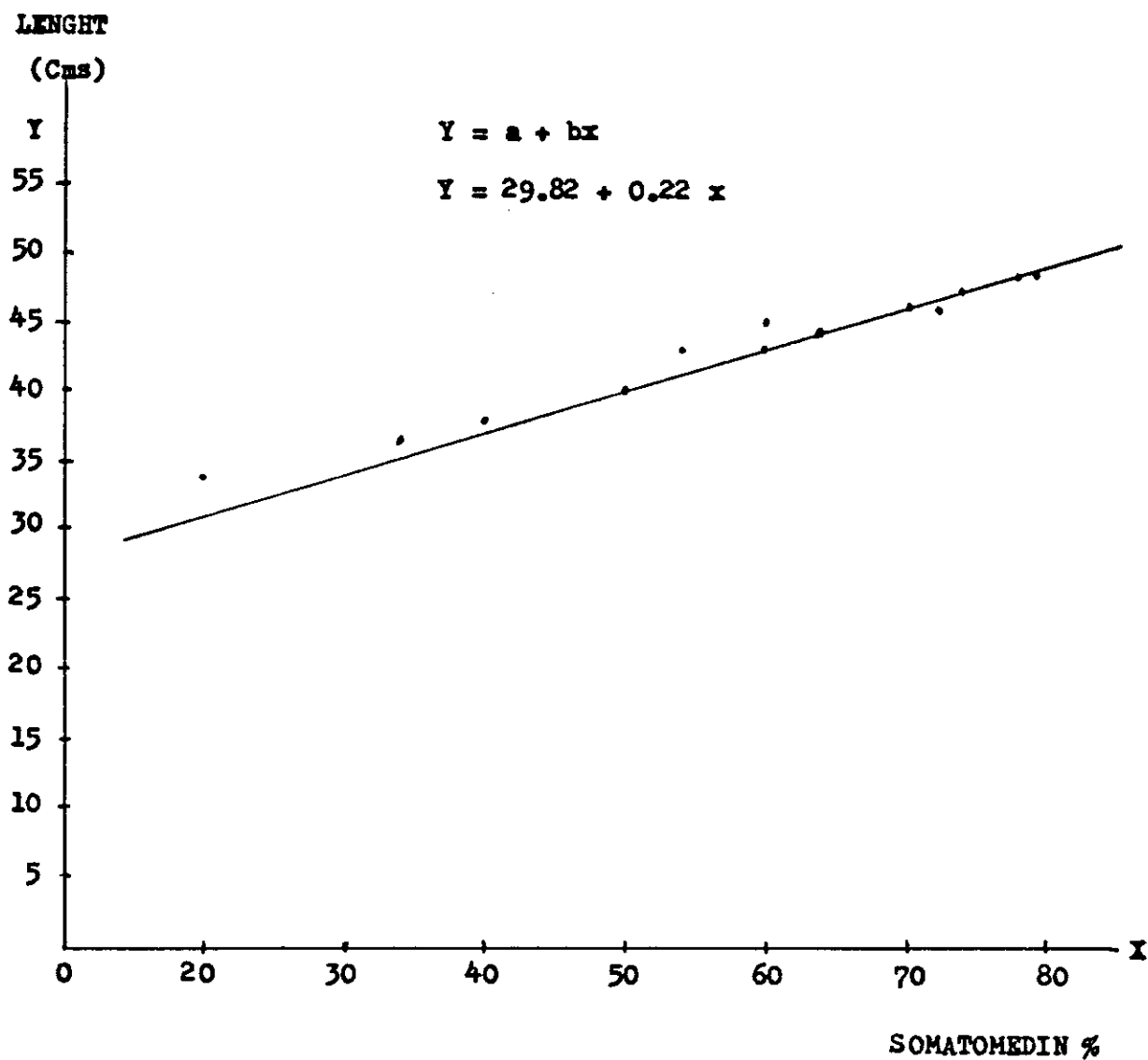
SOMATOMEDIN



CURVE No. 12 SHOWS THE CORRELATION OF INSULIN TO SOMATOMEDIN
IN THE PREMATURE

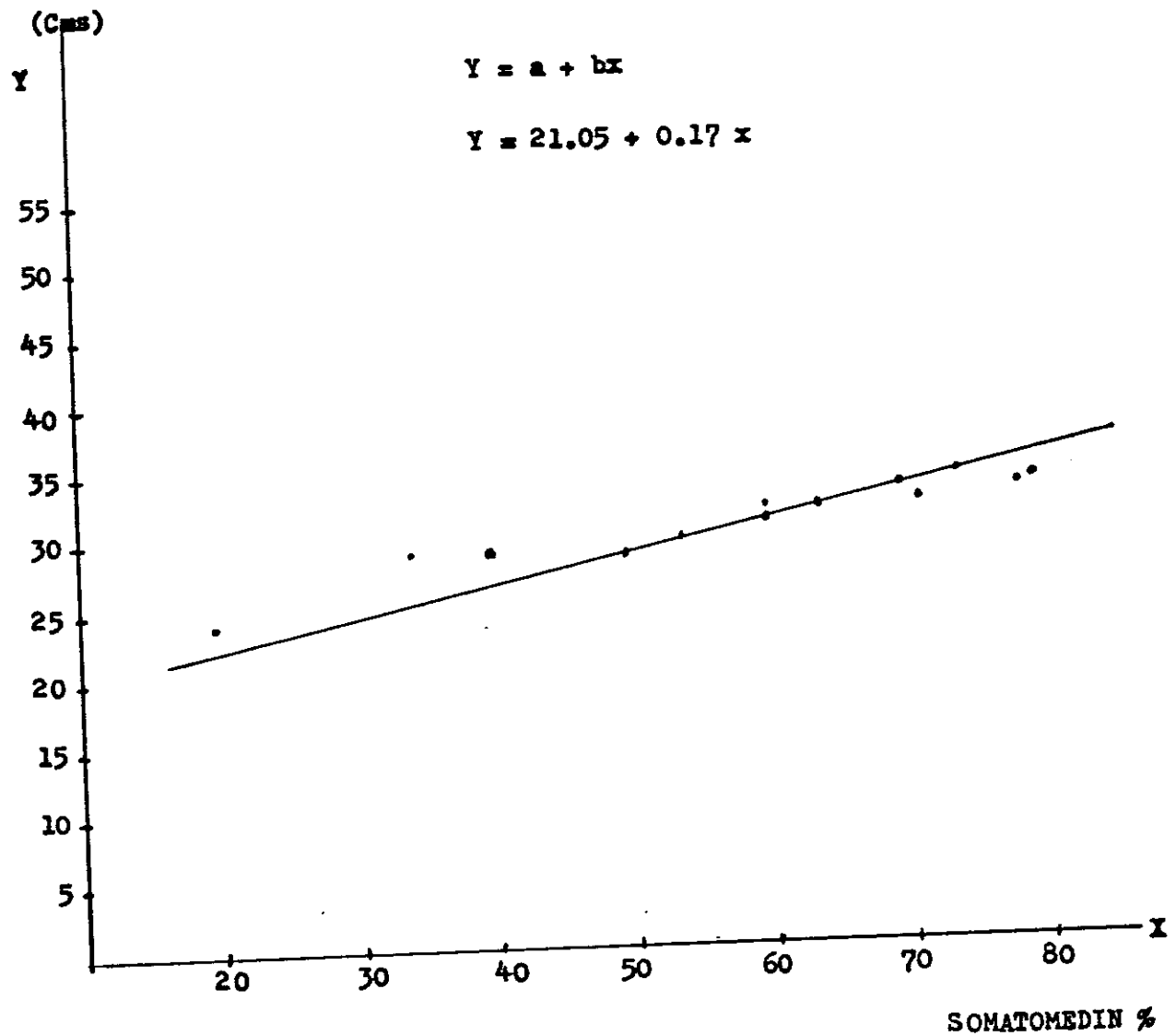


CURVE No. 13 : SHOWS THE CORRELATION OF SOMATOMEDIN TO
WEIGHT IN THE PREMATURE



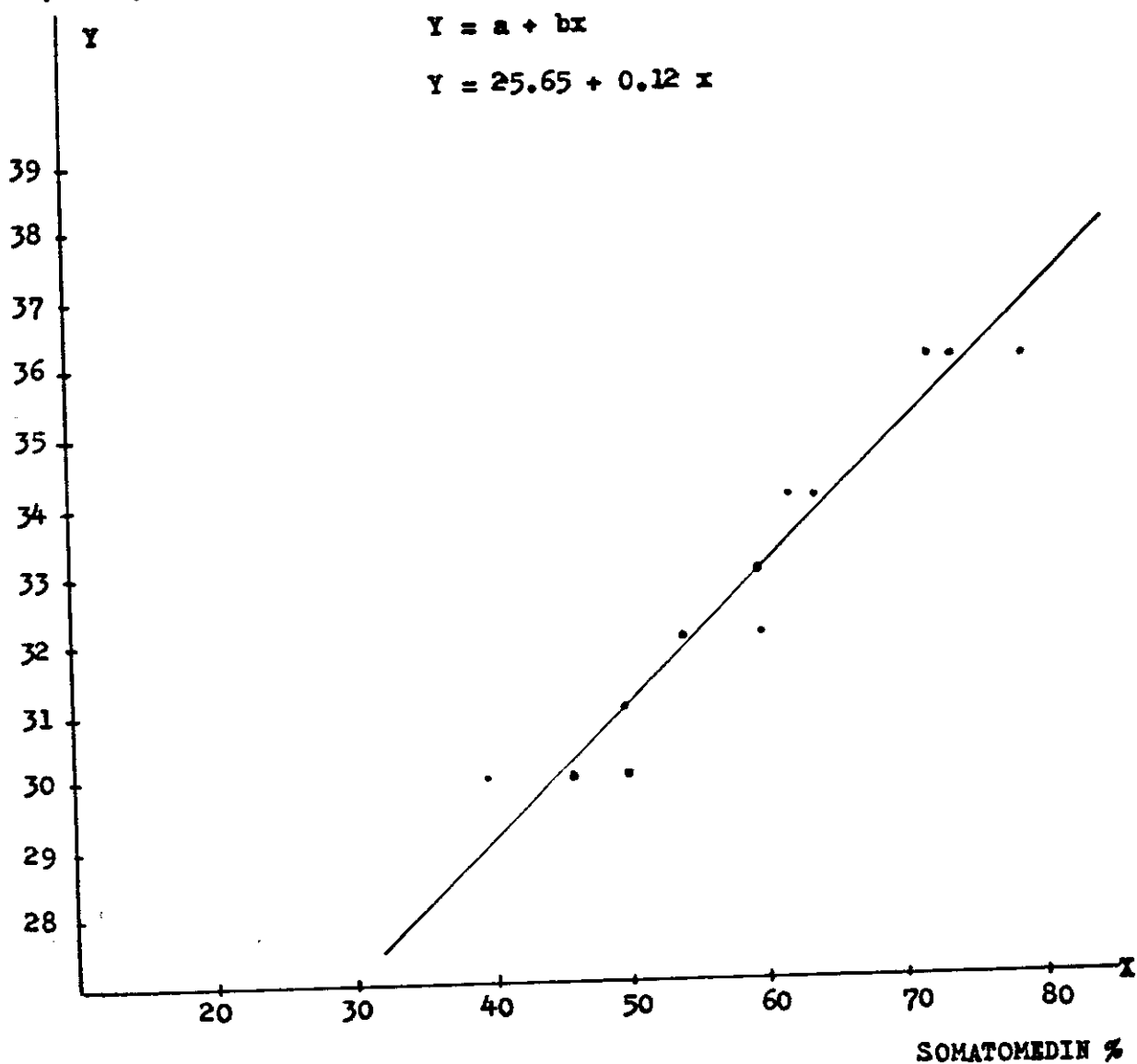
CURVE No. 14 : SHOWS THE CORRELATION OF SOMATOMEDIN
TO LENGTH IN THE PREMATURE

SKULL CIRCUM.



CURVE No. 15 : SHOWS THE CORRELATION OF SOMATOMEDIN
TO SKULL CIRCUMFERENCE IN THE PREMATURE

GESTATIONAL AGE
(WEEKS)



CURVE No. 16 : SHOWS THE CORRELATION OF SOMATOMEDIN
TO GESTATIONAL AGE IN THE PREMATURE

	INSULIN μ U/ml		
	r	P	REGRESSION EQUATION
INSULIN TO WEIGHT	0.975	LESS THAN 0.001	$Y = 0.67 + 0.05 x$
INSULIN TO LENGTH	0.931	LESS THAN 0.001	$Y = 36.9 + 0.23 x$
INSULIN TO SKULL CIRCUM	0.888	LESS THAN 0.001	$Y = 27.1 + 0.13 x$
INSULIN TO SM	0.98	LESS THAN 0.001	$Y = 63.8 + 1.1 x$

TABLE No.23 : SHOWS THE CORRELATIONS OF INSULIN TO WEIGHT ,
LENGTH, SKULL CIRCUM AND SM IN THE DIABETIC

	SOMATOMEDIN %		
	r	P	REGRESSION EQUATION
SM TO WEIGHT	0.993	LESS THAN 0.001	$Y = - 2.46 + 0.05x$
SM TO LENGTH	0.920	LESS THAN 0.001	$Y = 24.29 + 0.2 x$
SM TO SKULL CIRCUM	0.890	LESS THAN 0.001	$Y = - 19.76 + 0.12 x$

TABLE No. 24 : SHOWS THE CORRELATIONS OF SOMATOMEDIN TO
WEIGHT, LENGTH AND SKULL CIRCUM IN THE DIABETIC.

WEIGHT
(Kg)

Y

$$Y = a + bx$$

$$Y = 0.67 + 0.053 x$$

6

5

4

3

2

1

0

40

50

60

70

80

90

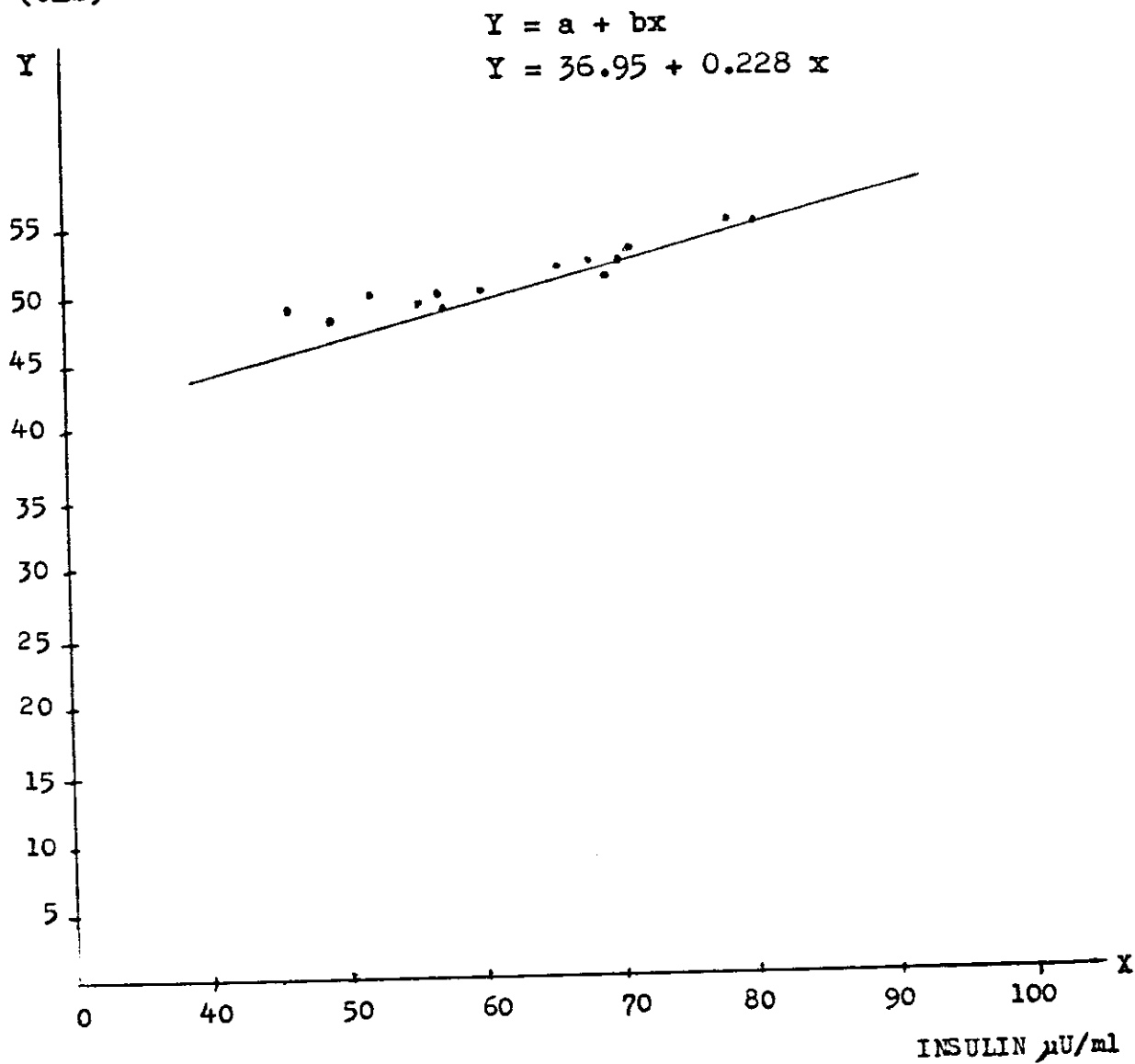
100

X

INSULIN μ U/ml

CURVE No. 17 : SHOWS THE CORRELATION OF INSULIN TO
WEIGHT IN THE DIABETIC

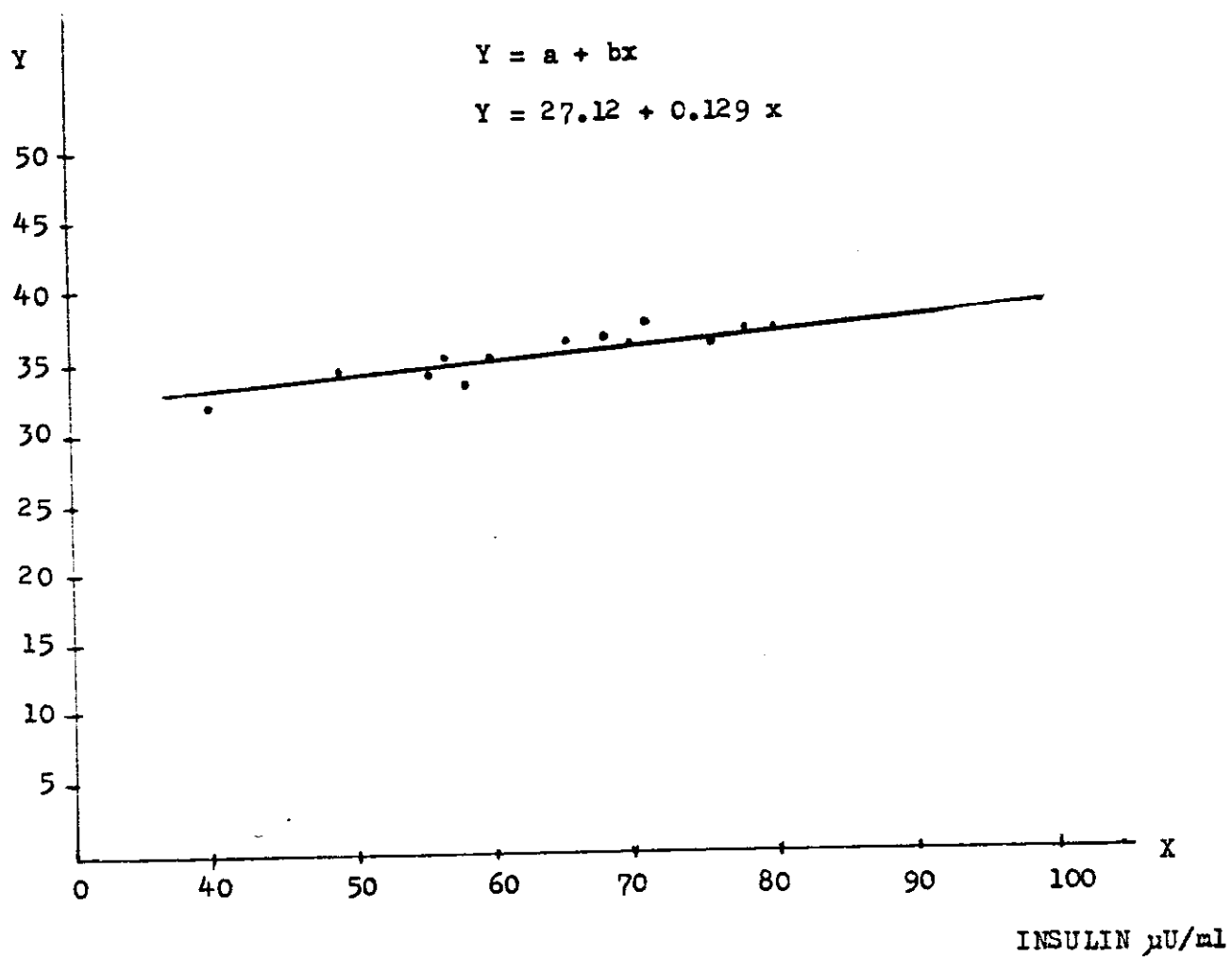
LENGHT
(Cms)



CURVE No.18 : SHOWS THE CORRELATION OF INSULIN TO
LENGHT IN THE DIABETIC

SKULL CIRCUM.

(Cms)



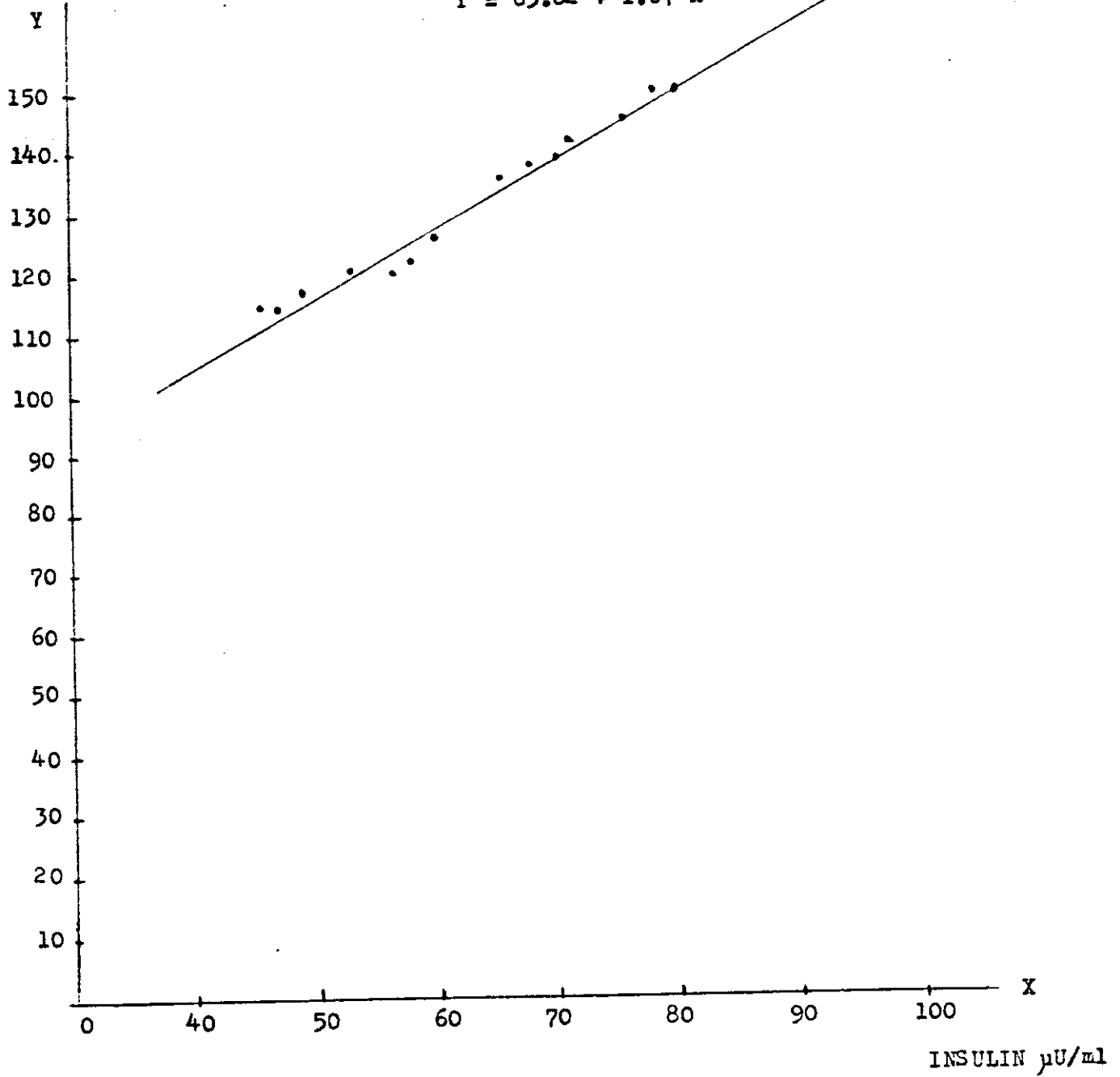
CURVE No.19 : SHOWS THE CORRELATION OF INSULIN TO SKULL CIRCUMFERENCE IN THE DIABETIC

SOMATOMEDIN

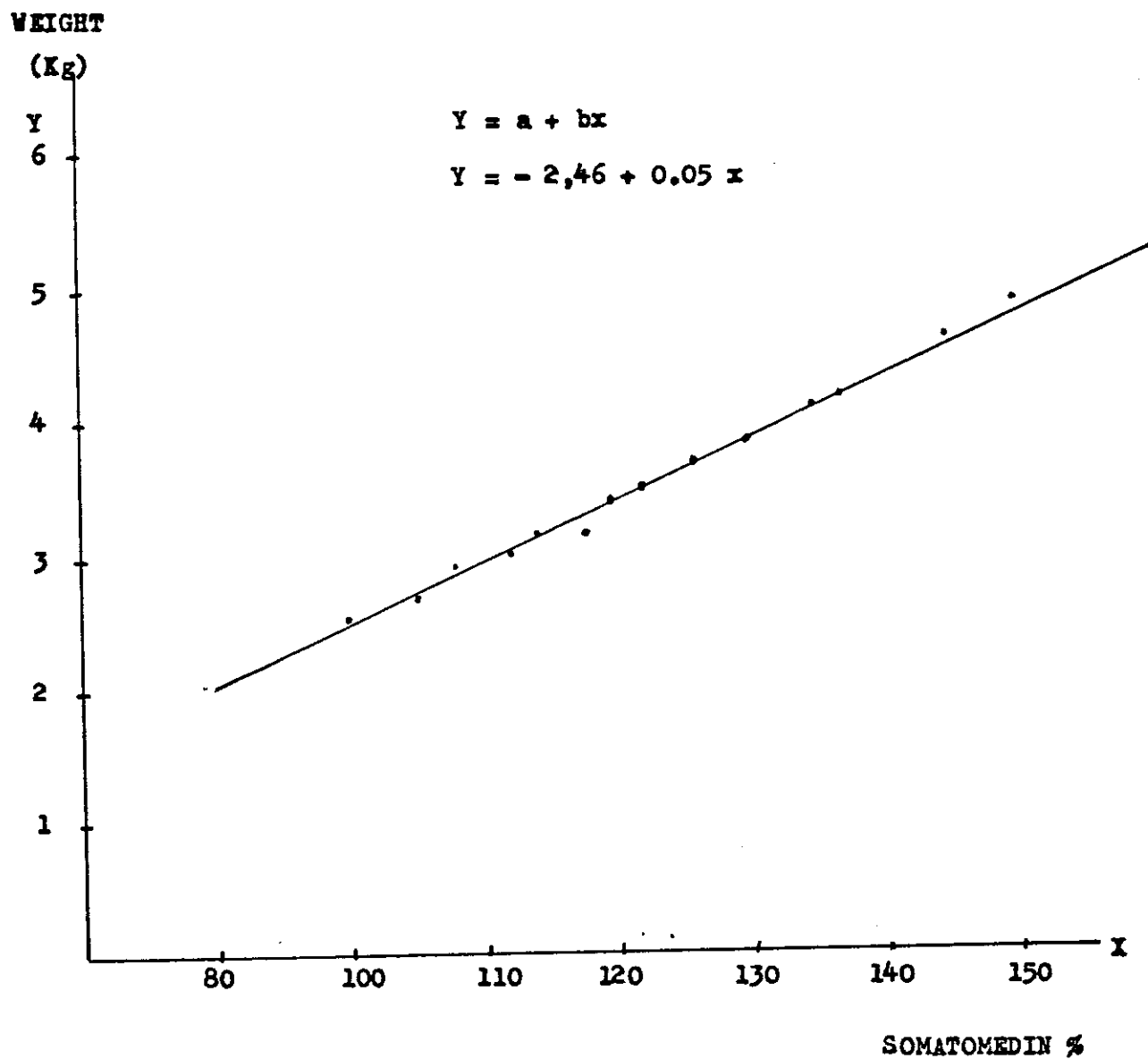
%

$$Y = a + bx$$

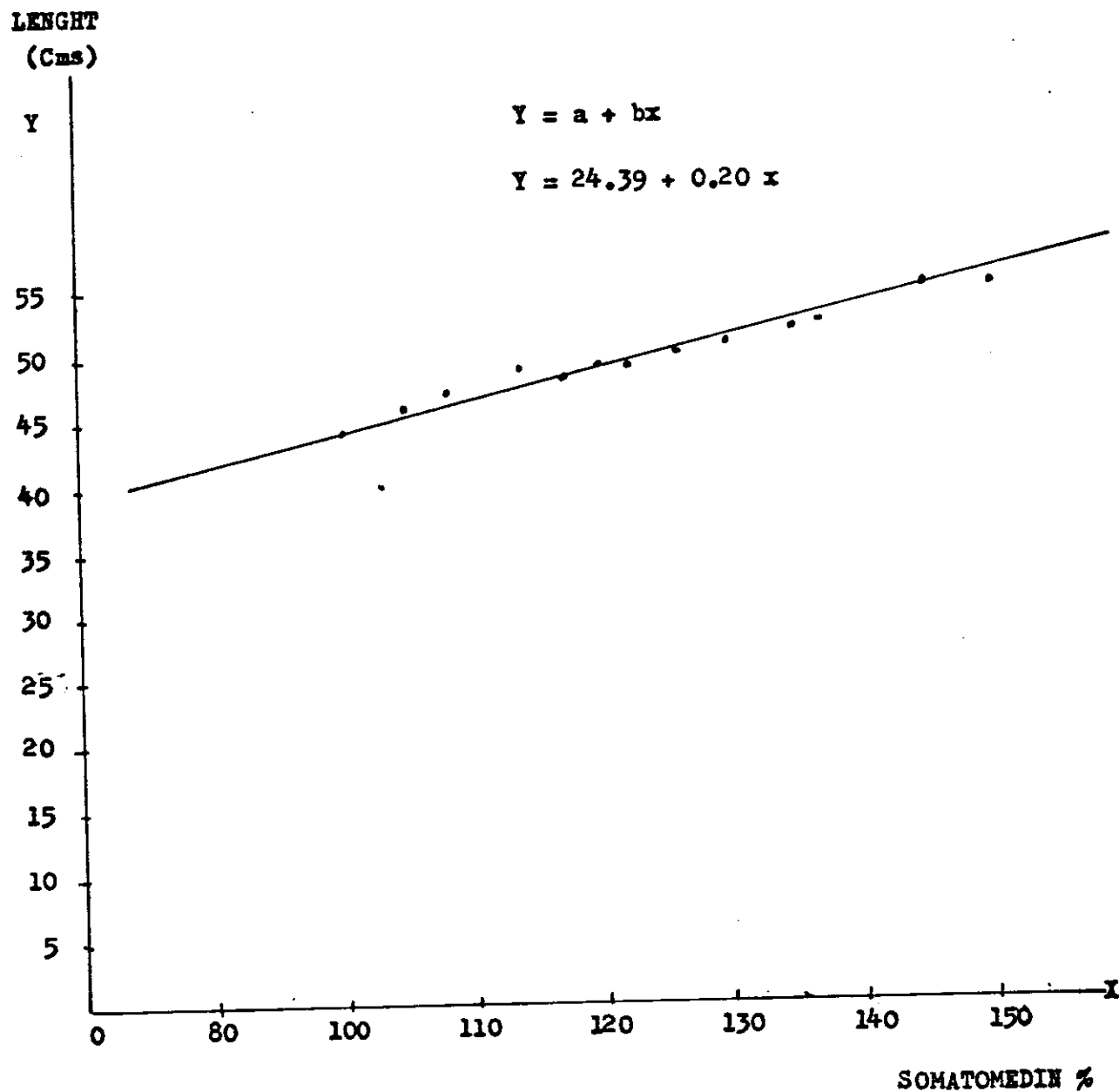
$$Y = 63.82 + 1.07 x$$



CURVE No.20 : SHOWS THE CORRELATION OF INSULIN TO
SOMATOMEDIN IN THE DIABETIC.

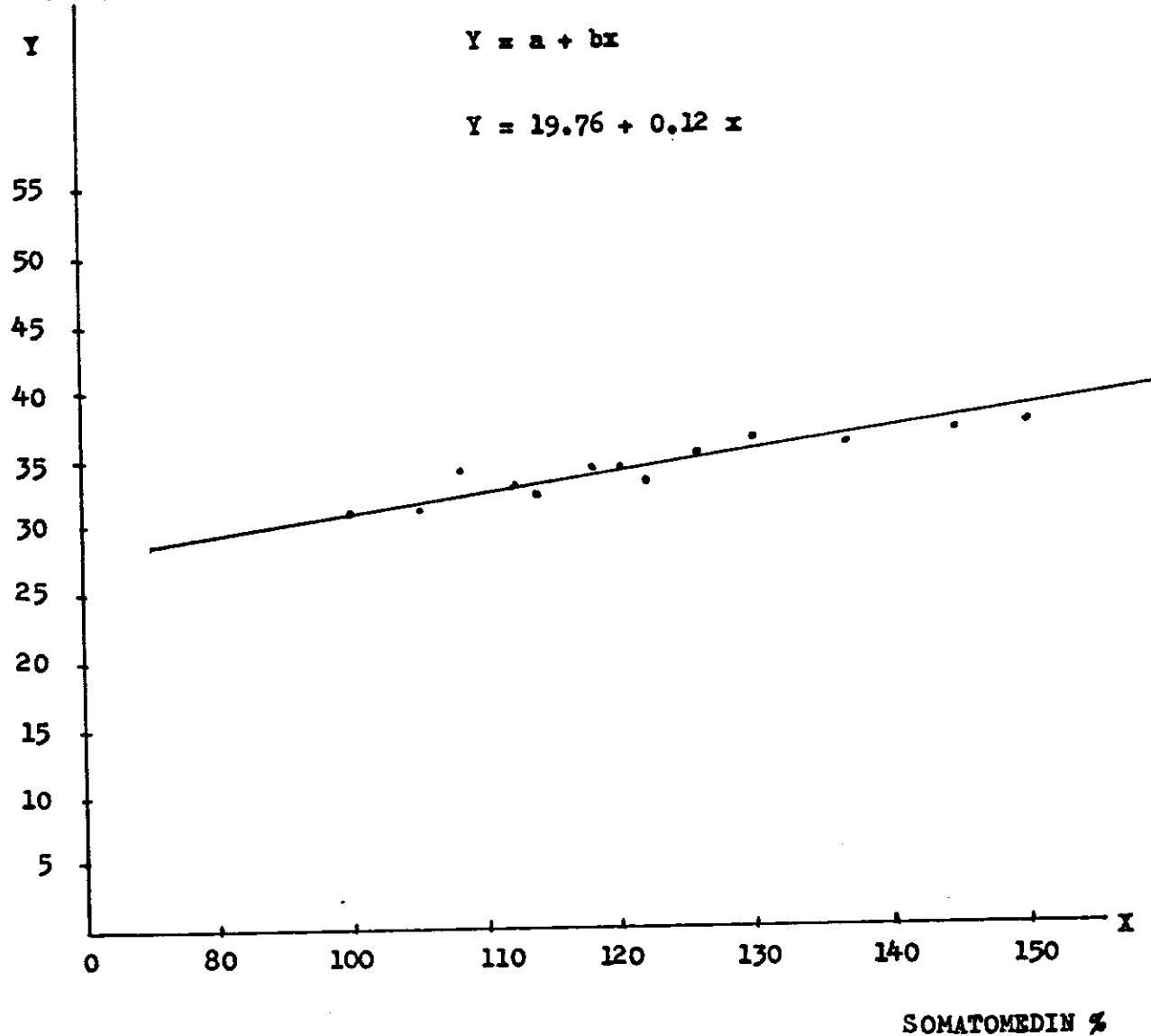


CURVE No.21 : SHOWS THE CORRELATION OF SOMATOMEDIN
TO WEIGHT IN THE DIABETIC



CURVE No.22 : SHOWS THE CORRELATION OF SOMATOMEDIN TO
LENGTH IN THE DIABETIC

SKULL CIRCUM.
(Cms)



CURVE No.23 : SHOWS THE CORRELATION OF SOMATOMEDIN
TO SKULL CIRCUMFERENCE IN THE DIABETIC

	CONTROL	LOW BIRTHWEIGHT	PREMATURE	INTERMEDIATE	DIABETIC
NUMBER	18	19	19	12	20
RANGE	76-100	54 - 67	57 - 80	65 - 77	110 - 170
MEAN	89.78	61.33	67.27	71.50	143.9
SD	$\bar{\pm}$ 7.97	$\bar{\pm}$ 3.81	$\bar{\pm}$ 7.66	$\bar{\pm}$ 4.50	$\bar{\pm}$ 17.2
t		13.74	8.34	6.3	12.64
P		LESS THAN 0.001	LESS THAN 0.001	LESS THAN 0.001	LESS THAN 0.001

TABLE No. 25 : SHOWS RANGE, MEAN, STANDARD DEVIATION OF MATERNAL GLUCOSE
IN THE CONTROL AND OTHER GROUPS.

GROUP		WEIGHT OF NEWBORN		CORD GLUCOSE	
		r	P	r	P
CONTROL	MATERNAL BLOOD GLUCOSE	0,960	LESS THAN 0.001	0,996	LESS THAN 0.001
	REGRESSION EQUATION	$Y = 2.05 + 0.01x$		$Y = - 8.76 + 1.03x$	
LOW BIRTH-WEIGHT	MATERNAL BLOOD GLUCOSE	0,935	LESS THAN 0.001	0,940	LESS THAN 0.001
	REGRESSION EQUATION	$Y = - 3.04 + 0.1x$		$Y = - 43.2 + 1.37x$	
PREMATURE	MATERNAL BLOOD GLUCOSE	0.97	LESS THAN 0.001	0.992	LESS THAN 0.001
	REGRESSION EQUATION	$Y = - 4 + 0.09x$		$Y = 27.15 + 0.85x$	
DIABETIC	MATERNAL BLOOD GLUCOSE	0,947	LESS THAN 0.001	0.942	LESS THAN 0.001
	REGRESSION EQUATION	$Y = - 0.61 + 0.03x$		$Y = 39.7 + 0.5x$	

TABLE No.26 : SHOWS THE CORRELATION OF MATERNAL BLOOD GLUCOSE TO WEIGHT OF NEWBORN AND CORD GLUCOSE IN THE CONTROL AND OTHER GROUPS.

WEIGHT
(KG)

Y

$$Y = a + bx$$

$$Y = -3.04 + 0.08 x$$

6

5

4

3

2

1

0

40

50

60

70

80

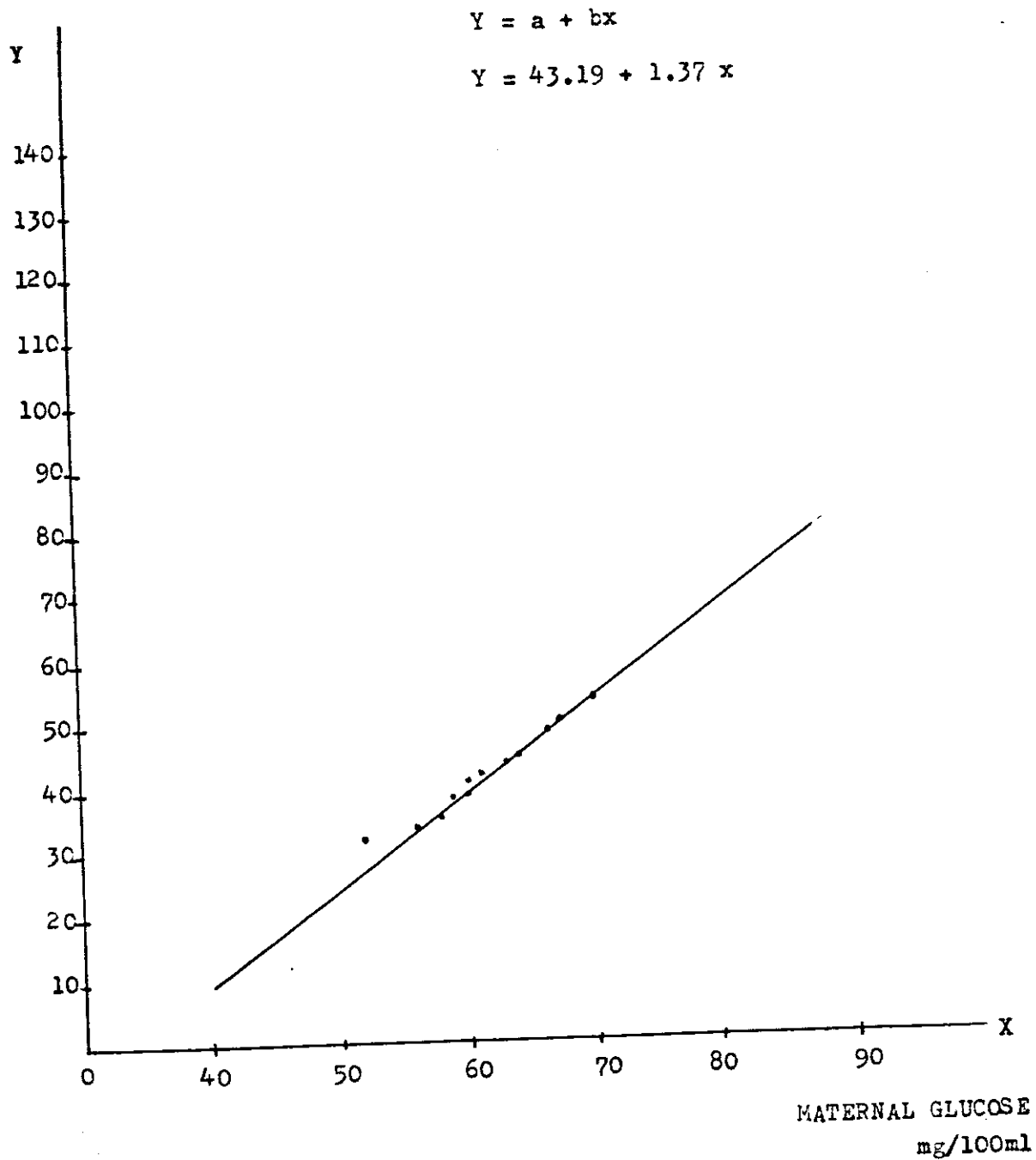
90

X

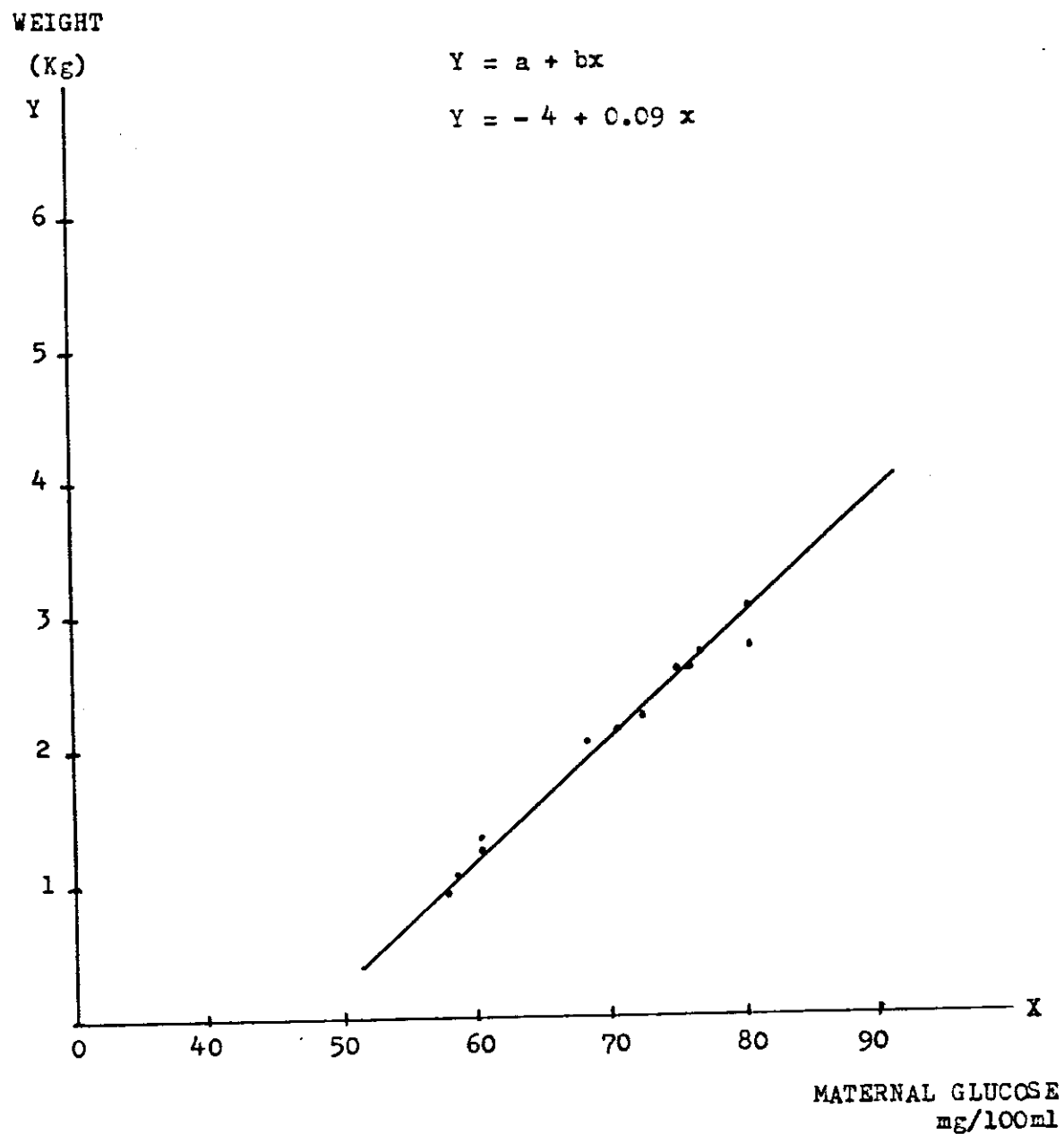
MATERNAL GLUCOSE
mg/100ml.

CURVE No.24 : SHOWS THE CORRELATION OF MATERNAL
GLUCOSE TO WEIGHT OF NEWBORN IN THE LOW BIRTHWEIGHT

CORD GLUCOSE
(mg/100ml)

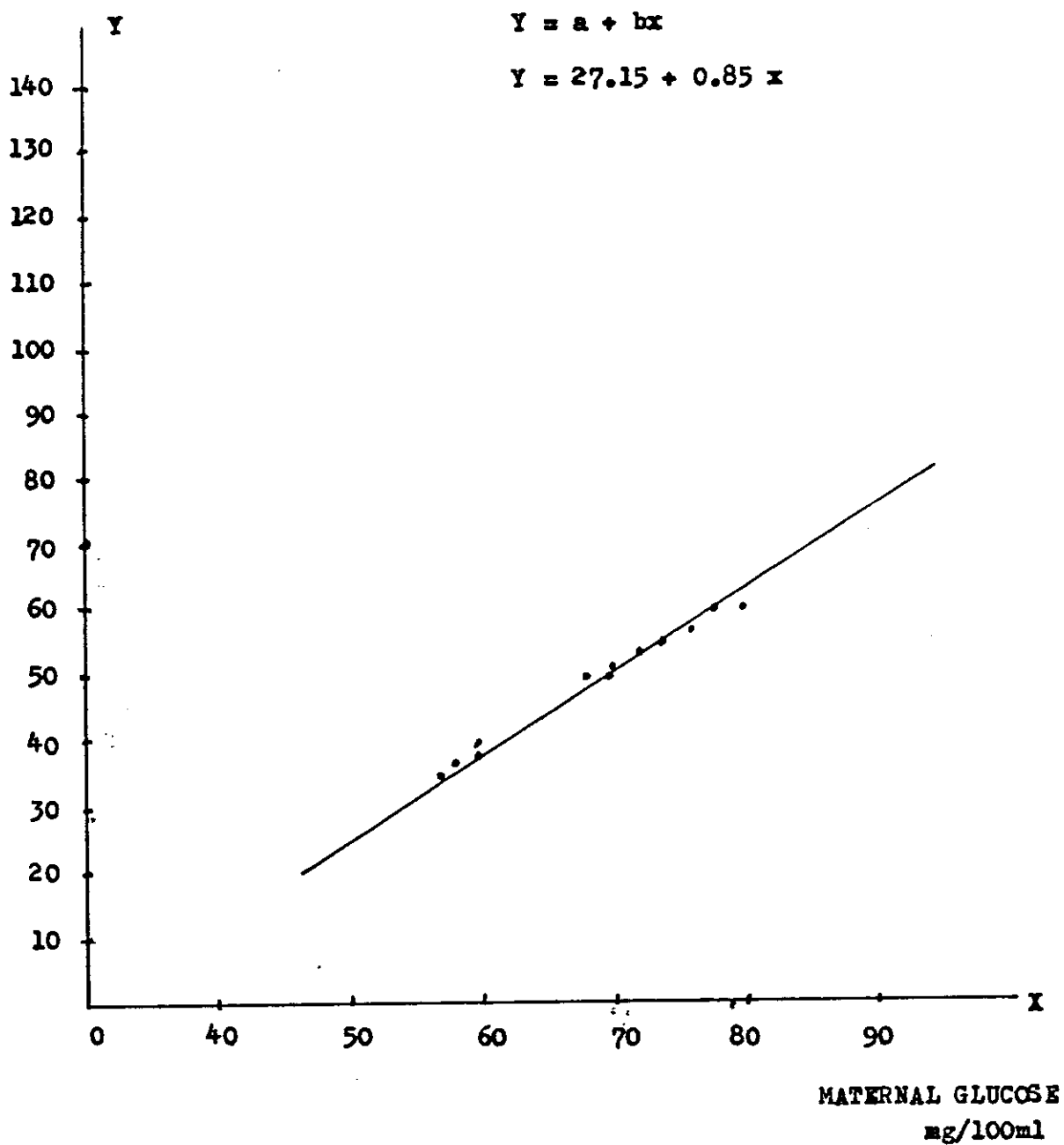


CURVE No.25 SHOWS THE CORRELATION OF MATERNAL GLUCOSE
TO CORD GLUCOSE IN THE LOW BIRTHWEIGHT

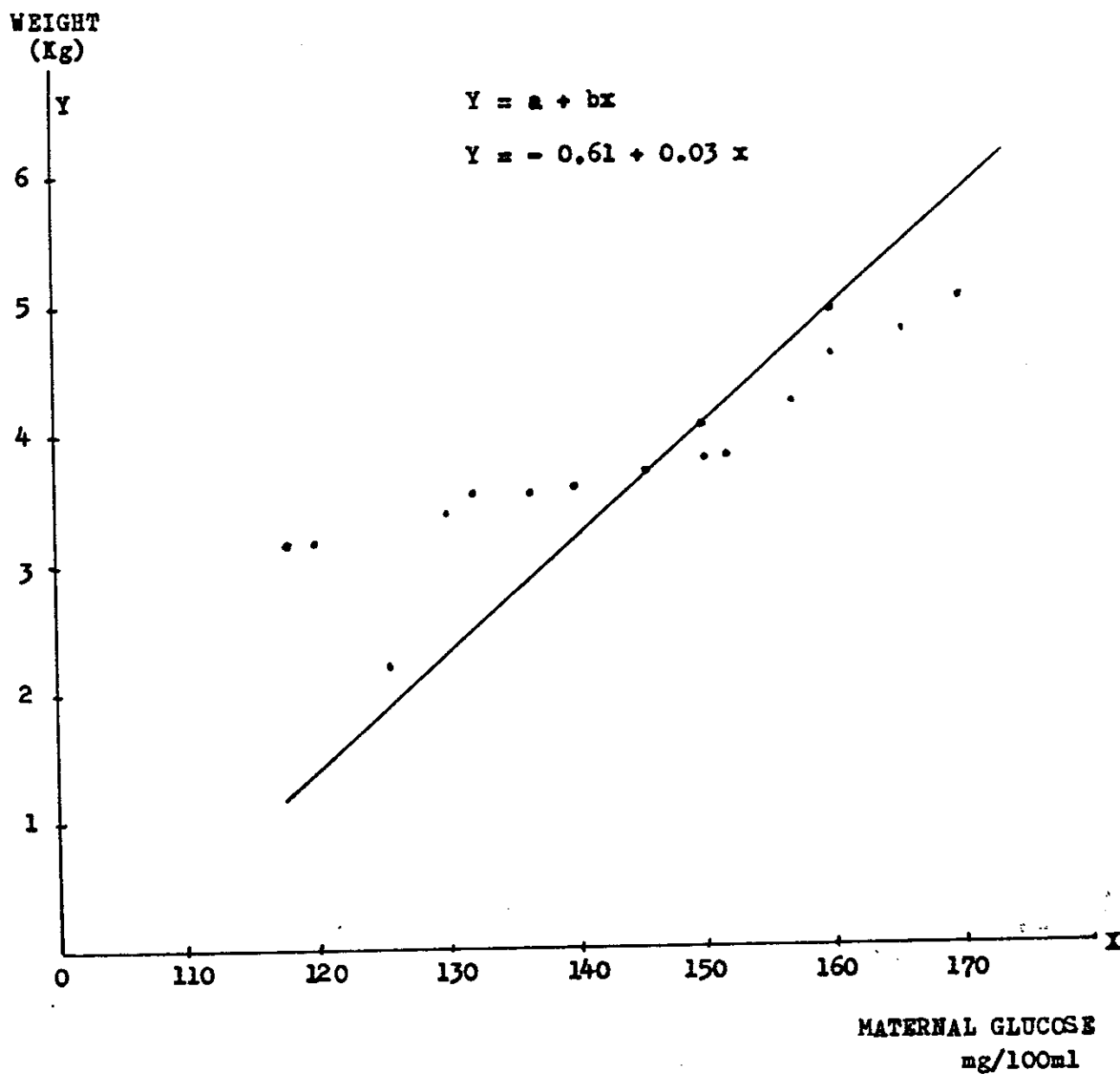


CURVE No.26 : SHOWS THE CORRELATION OF MATERNAL GLUCOSE
TO WEIGHT OF NEWBORN IN THE PREMATURE

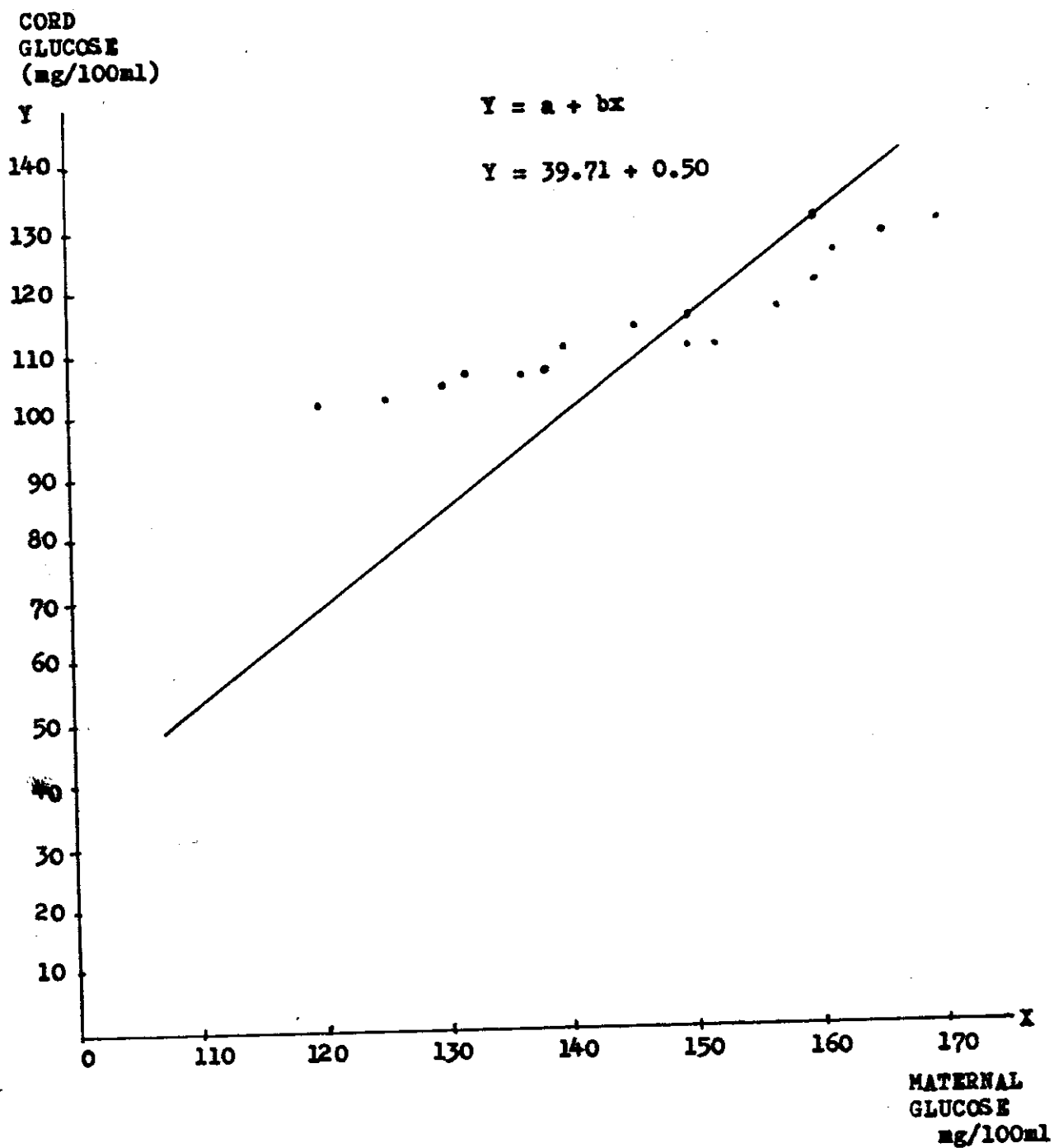
CORD
GLUCOSE
(mg/100ml)



CURVE No. 27 : SHOWS THE CORRELATION OF MATERNAL GLUCOSE
TO CORD GLUCOSE IN THE PREMATURE



CURVE No.28 : SHOWS THE CORRELATION OF MATERNAL GLUCOSE TO WEIGHT OF NEWBORN IN THE DIABETIC



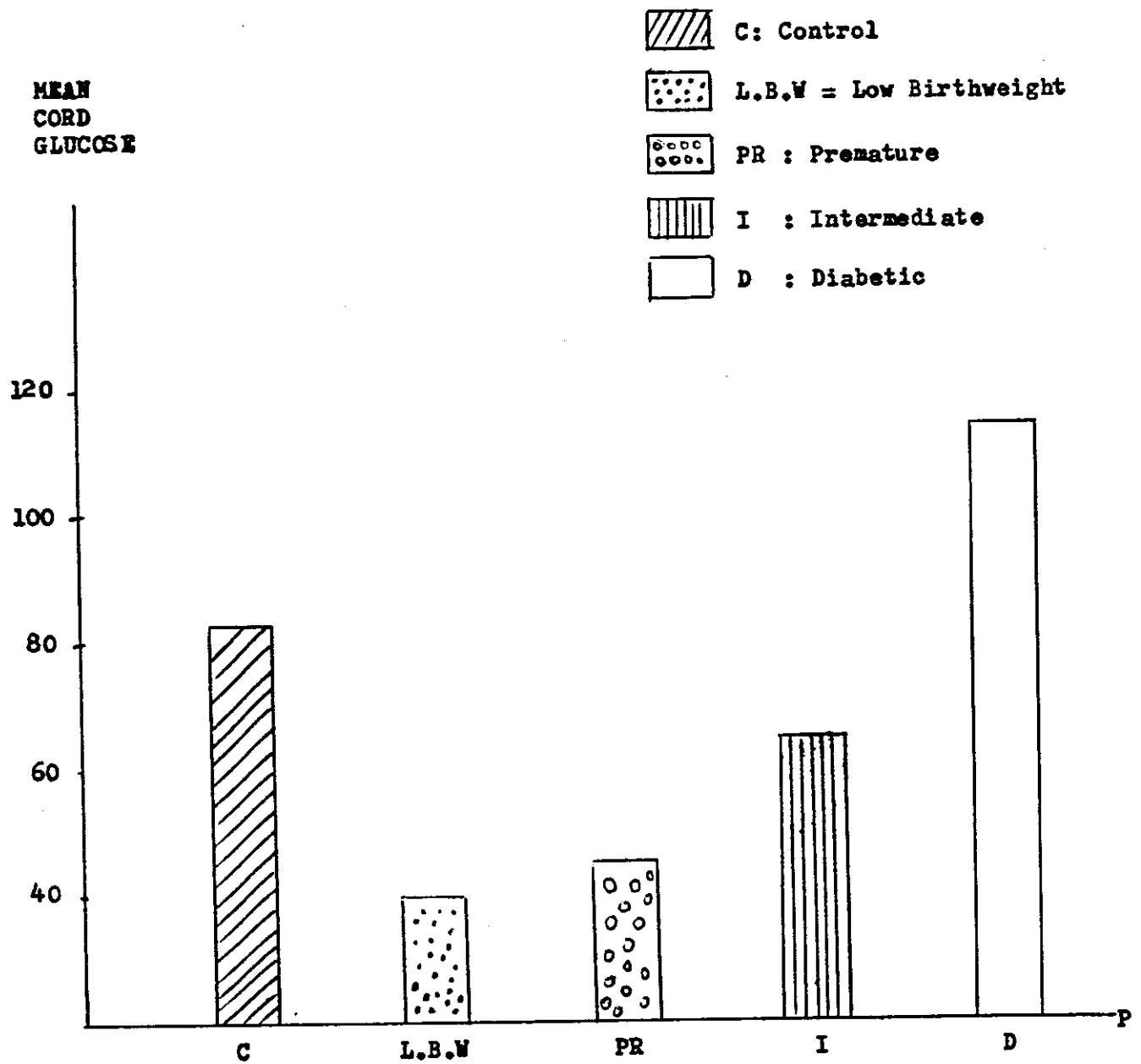
CURVE No.29 : SHOWS THE CORRELATION OF MATERNAL GLUCOSE
TO CORD GLUCOSE IN THE DIABETIC

	Control	Low Birthweight (L.B.W)	Premature	Intermediate	Diabetic
Number	18	19	19	12	20
Mean	84.0	39.79	46.83	65.58	117.75
SD	8.27	5.81	8.85	3.37	9.15
t		18.73	13.23	8.45	11.97
P		< 0.001	< 0.001	< 0.001	< 0.001

Table No.27

: SHOWS THE MEAN LEVELS OF CORD GLUCOSE IN THE CONTROL AND

OTHER GROUPS.



BARR GRAPH No. 3 : SHOWS THE MEAN LEVELS OF CORD GLUCOSE
IN THE CONTROL AND OTHER GROUPS.

GROUP	VARIABLE 1	VARIABLE 2	r	P	REGRESSION EQUATION
PREMATURE	CORD GLUCOSE	WEIGHT OF NEWBORN	0.976	LESS THAN 0.001	$Y = -1.69 + 0.1x$
L.B.W	CORD GLUCOSE	WEIGHT OF NEWBORN	0.950	LESS THAN 0.001	$Y = -0.23 + 0.1x$

TABLE No.28 : SHOWS THE CORRELATION OF CORD GLUCOSE TO WEIGHT OF NEWBORN IN THE PREMATURE AND LOW BIRTHWEIGHT.

	CORD GLUCOSE AND WEIGHT OF NEWBORN	PERIOD OF STAY IN HOSPITAL AND WEIGHT OF NEWBORN
r	0.980	- 0.960
P	LESS THAN 0.001	LESS THAN 0.001
REGRESSION EQUATION	$Y = - 2.91 + 0.06x$	$Y = 4.75 - 0.11 x$

TABLE No.29 : SHOWS THE CORRELATION OF CORD GLUCOSE TO WEIGHT OF NEWBORN AND THE CORRELATION OF PERIOD OF STAY IN HOSPITAL TO WEIGHT OF NEWBORN IN THE DIABETIC

WEIGHT
(Kg)

Y

$$Y = a + bx$$

$$Y = -0.23 + 0.057 x$$

6

5

4

3

2

1

0

30

40

50

60

70

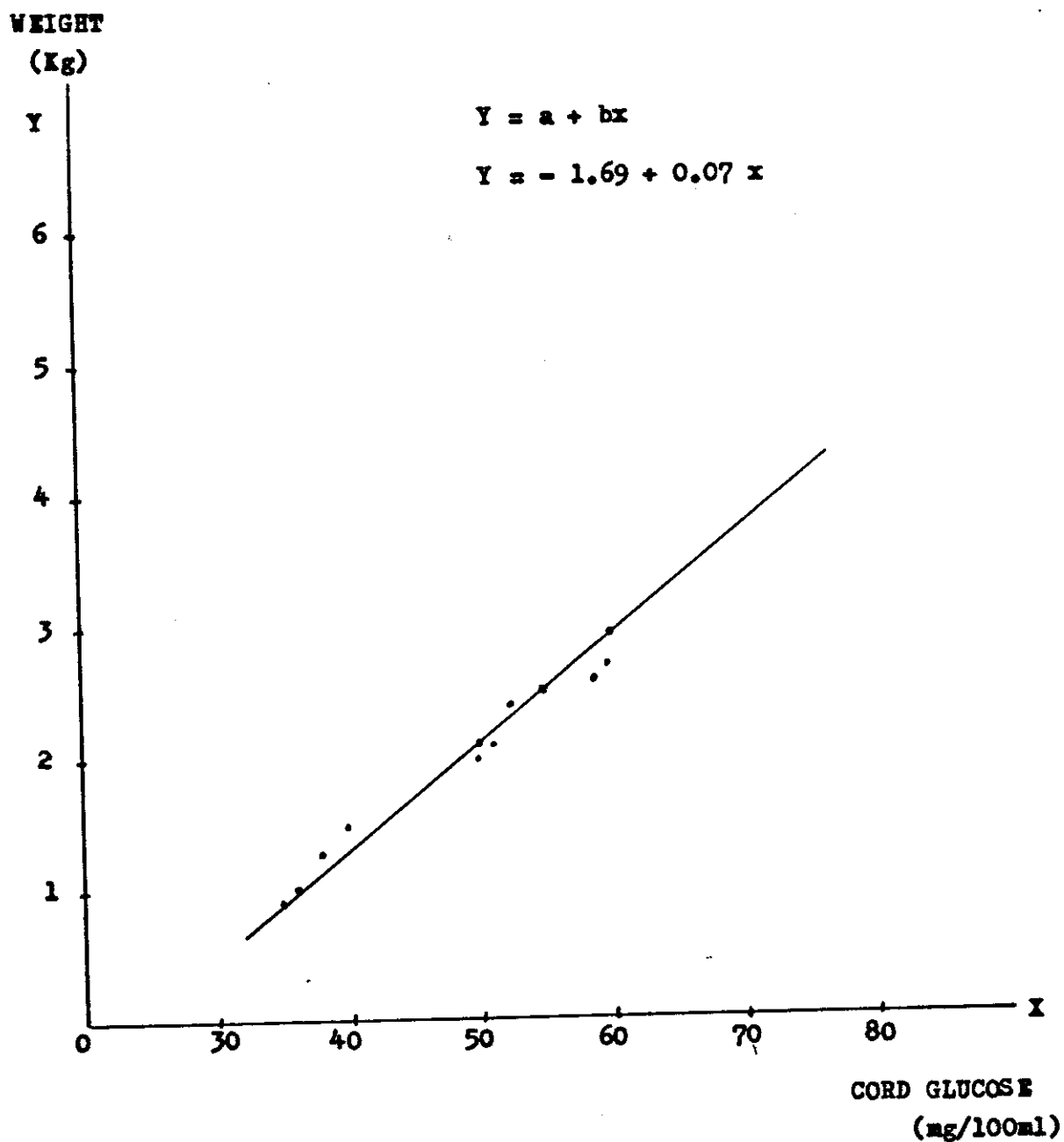
80

X

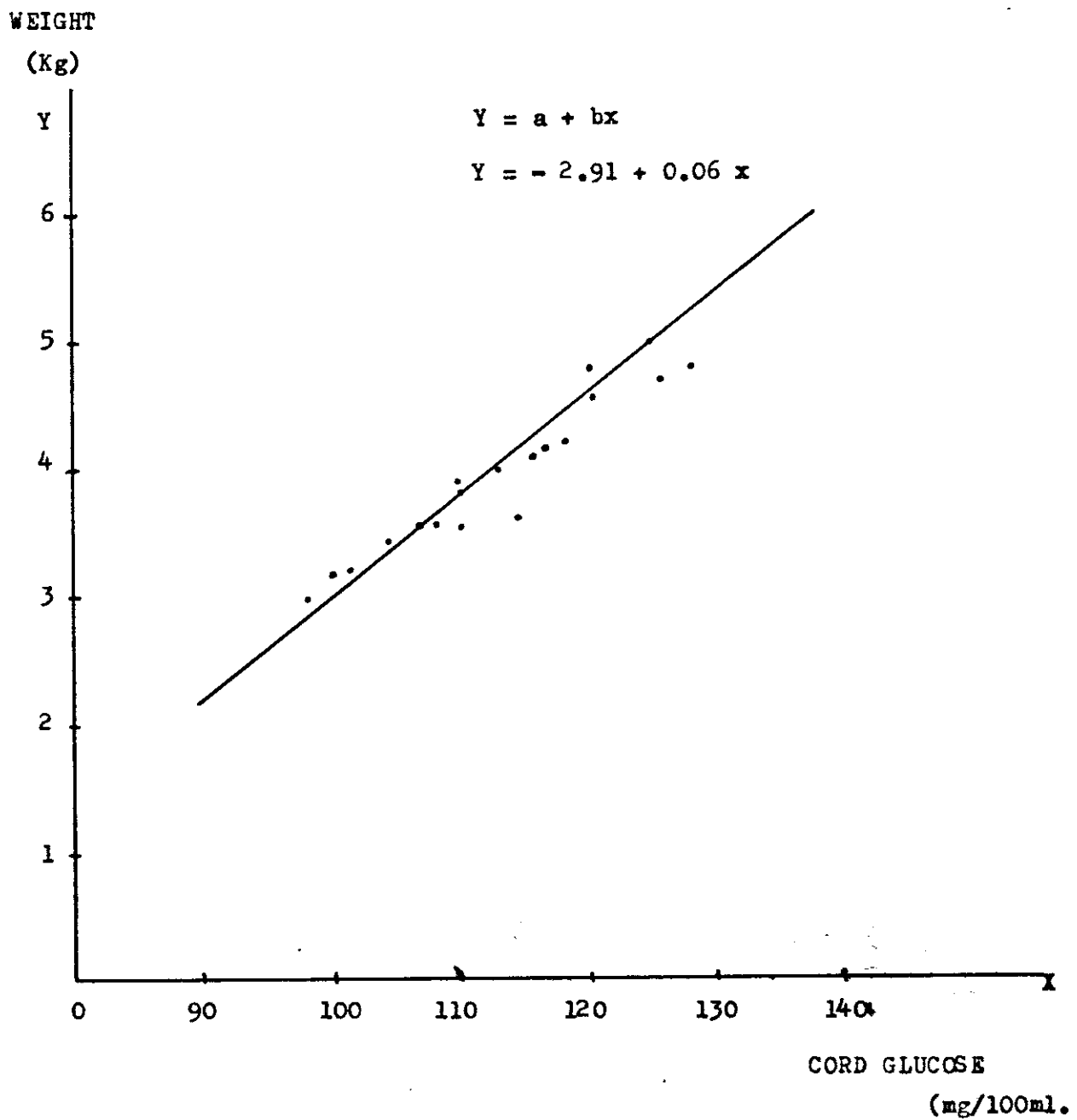
CORD GLUCOSE

(mg/100ml)

CURVE No.30: SHOWS THE CORRELATION OF CORD GLUCOSE
TO WEIGHT OF NEWBORN IN THE LOW BIRTHWEIGHT



CURVE No. 31 : SHOWS THE CORRELATION OF CORD GLUCOSE
TO WEIGHT OF NEWBORN IN THE PREMATURE



CURVE No.32 : SHOWS THE CORRELATION OF CORD GLUCOSE
TO WEIGHT OF NEWBORN IN THE DIABETIC

N	SHORT TERM THERAPY IN THE DIABETIC 10	LONG TERM THERAPY IN THE DIABETIC 10	CONTROL 18
<u>MATERNAL GLUCOSE</u> MEAN $\bar{x}$ SD t P	158.4 $\bar{x}$ 6.08	129.4 $\bar{x}$ 11.03 7.29 < 0.001	89.78 $\bar{x}$ 7.97 25.51 < 0.001
<u>CORD GLUCOSE</u> MEAN $\bar{x}$ SD t P	118.5 $\bar{x}$ 7.15	105.0 $\bar{x}$ 4.94 4.91 < 0.001	84.0 $\bar{x}$ 8.27 11.5 < 0.001
<u>WEIGHT OF NEW BORN</u> MEAN $\bar{x}$ SD t P	4.31 $\bar{x}$ 0.4	3.39 $\bar{x}$ 0.21 6.57 < 0.001	3.44 $\bar{x}$ 0.13 6.69 < 0.001

TABLE No.30 : SHOWS THE EFFECTIVENESS OF TREATMENT DURING
PREGNANCY BY COMPARING SHORT TERM THERAPY TO LONG TERM
THERAPY AND CONTROL GROUP.