

RESULTS

Table (1): Serum and stool analysis of normal controls.

No.	SGPT	SGOT	L.D.H.	Creatinine	Amino acid	Urea	Uric acid	Alkaline phosphatase	P H stool	ova
1	3	10	70	1	6.3	40	3	4		-
2	7	5	100	0.9	3.5	25	3.2	8		-
3	10	8	80	0.5	5.1	26	4.3	9		-
4	12	4	122	0.8	5.2	20	6.3	11		-
5	8	3	92	0.5	4.3	35	4.2	13		-
6	16	11	112	1	3.9	32	4.8	10		-
7	14	17	85	1.2	6.1	40	3.5	7		-
8	11	4	120	0.4	5.6	39	3.5	9		-
9	11	5	150	0.9	4.5	17	3.2	12		-
10	15	4	130	1	5.5	28	2.5	15		-
11	9	12	92	0.9	3.3	20	3.9	11		-
12	7	11	60	1.4	5.6	22	5.1	10		-
13	4	16	80	1.2	3.3	26	4	14		-
14	8	20	110	0.6	4.1	22	3.2	12		-
15	6	14	90	0.5	5.6	30	3.8	11		-
16	4	20	110	1.2	4.1	25	3.1	13		-
M	10.5	12.5	105	0.5	4.4	30	3.4	8.5		-
SD	±3.5	± 4	± 22	± .3	±0.5	± 7	±0.3	± 25		-

M : Mean
SD : Standard deviation

Table (2): Serum and stool analysis of patients with intestinal bilharziasis.

No.	SGPT	SGOT	L.D.H	Creatinine	Amino acid	Urea	Serum urea acid	Alkaline Phosphatase	B-gluconidase	Organism pus red cell	Ova
1	I5	9	180	1.2	5.2	25	3	10	5.6	+	+
2	I2	I2	100	1	3.9	30	4	I3	9.4	+	-
3	I4	I3	90	I.5	6.3	20	3.2	I2	8.4	+	-
4	I6	I5	150	0.9	5.1	40	4.3	I0	6.8	+	+
5	I0	I2	130	2	3.9	25	4.2	9	8.1	+	+
6	18	I4	80	0.8	4.3	30	3.9	8	9	+	+
7	I8	I6	188	0.5	4.3	22	4.8	I4	6.1	+	+
8	I4	I2	I22	I.2	5.6	33	3.9	I3	5.5	+	+
9	I5	I5	I60	I.4	5.5	35	5.1	I2	3.2	+	+
10	I3	I3	200	0.6	4.4	37	3.8	I7	7.1	+	+
11	I6	I4	100	0.4	5.6	42	3.5	I4	8.5	+	+
12	I8	I5	110	I.2	4.1	44	3.2	I5	3.4	+	+
13	I2	I7	150	I.5	6.3	22	3.8	II	3.2	+	+
14	I5	I6	70	0.6	5.1	43	3.2	I3	5	+	+
15	I5	I8	210	0.6	5.1	30	3.8	I0	7	+	+
16	I25	I6	103	I.5	4.3	35	5.5	I3	7.2	+	+
17	I10	I8	I03	I.5	6.1	18	4.8	I2	8.6	+	+
18	I9	I6	I46	0.6	4.9	33	3.9	I4	5.2	+	+
19	I3	9	60	2	5.6	28	4.8	I5	6.8	+	+
20	I7	8	120	I.8	5.5	17	3.9	I8	6.2	+	+
21	I17	I6	I70	0.6	5.5	25	4.8	I5	7	+	+
22	9	I21	I40	0.5	5.6	30	5.1	9	4.4	+	+
23	8	I5	I15	I.2	4.1	38	4.3	I4	6.3	+	+
24	I5	4	200	0.9	5.6	46	3.9	I0	6	+	+
25	I4	8	120	I.2	4.6	19	3.5	II	8.5	+	+
26	I12	I5	80	I.3	5.2	35	4	I4	3.4	+	+
27	I6	7	125	0.3	3.9	45	3.2	I5	4.5	+	+
28	20	I6	I20	I.5	5.2	36				+	+
29	6									+	+
30	I7									+	+
M	I3	I4	I35	0.8	4.4	28	3.6	9	6.7		
S.D.	± 4	± 5	± 40	± 0.3	± 7	± 5	± 0.5	± 5	± 2.8		

M: Mean

Table (3): Serum and urine analysis of patients with urinary bilharziasis.

No.	SGPT	SGOT	L.D.H.	Creatinine	Amino acid	Urea	Serum uric acid	Alkaline phosphatase	Urine L.D.H.	p.H. of urine	urine 3-glucose	Organised element pur red cell	Ova
1	15	22	122	1.1	3.3	40	3	8	1000	6.8	8.4	+	-
2	8	9	200	0.6	4.1	30	3.5	11	1050	6.9	6.2	+	-
3	22	8	160	0.9	4.1	22	4	12	590	6.8	6	+	+
4	19	12	183	0.9	4.4	32	4.3	14	680	6.5	5.2	+	-
5	33	15	205	1.1	4.9	40	3.9	15	390	6.6	3.2	+	-
6	12	13	100	2	5.6	42	4.2	12	1048	6.5	3.4	+	-
7	9	18	103	0.9	5.5	33	5.1	11	1500	6.9	4.0	+	-
8	18	22	160	0.8	4.3	30	4.8	13	1000	7.1	4.5	+	-
9	8	10	177	0.5	3.9	40	3.9	14	890	6.5	5.6	+	+
10	8	10	200	1.2	6.1	22	3.5	9	900	6.3	6.8	+	-
11	12	8	140	1.2	6.3	28	3.8	6	630	6.2	7.8	+	-
12	15	10	160	1.4	5.2	35	3.2	10	490	6.4	7.1	+	-
13	20	12	210	0.3	5.1	37	3.2	18	940	7.1	7.5	+	-
14	22	15	260	0.4	3.9	18	1.8		2200			+	-
15	19	16	240										-
M	18.5	16	184	1.2	4.7	28	3.8	10.5	940	6.7	5.2		
S.D.	±4.6	±4.4	±43	±0.35	±0.5	±7	±0.4	±3	±100	±0.1	±0.4		

M: Mean
S.D: standard deviation

Table (4): Serum and urine analysis of patients with cancer bladder at different stages with schistosomiasis.

No.	SGPT	SGOT	L.D.H.	Creatinine	Amino acid	Urea	Serum uric acid	Alkaline phosphate	urine L.D.A	PH urine	Urine B-glucuronide	organised elements pus red cells	ova
1	23	30	230	0.6	4.1	32	2.4	17	2200	6.8	31	++	-
2	14	12	280	0.9	5	35	3.5	13	2500	7.3	42	++	-
3	12	13	183	1.1	2.5	40	4.3	21	2450	6.8	35.5	++	+
4	22	14	262	0.5	4.1	35	4.4	19	2350	7.3	45	++	-
5	14	18	260	0.4	4.5	37	4.1	18	1900	6.5	38	++	+
6	22	14	180	0.8	4.3	33	3.8	14	3000	6.8	52	++	+
7	23	28	192	0.3	4.5	40	3.9	19	4000	6.5	21	++	-
8	24	31	300	0.3	4.9	32	2.5	13	2900	7.8	18	++	+
9	30	36	280	0.4	3.8	22	3.5	14	2500	6.7	43	++	+
10	21	14	200	0.4	5.2	26	4.8	21	1800	7.2	40	++	-
11	12	18	240	1.2	6	35	5.2	19	2200	6.5	50	++	-
12	15	13	180	0.5	5.1	20	3.1	13	2100	6.8	63	+++	-
13	13	14	180	0.4	4.8	30	3.1	22	2300	7.3	31	+++	+
14	18	12	190	1.1	3.9	28	4.3	14	2200	7.4	24	++	+
15	20	15	300	1.1	4.4	32	4.3	19	2400	9.9	51	++	+
M	23	22	265	1.1	4.4	30	3.5	185	2400	7.4	38		
S	± 5	± 4.5	± 50	± 0.25	± 0.7	± 8	± 0.4	± 4	± 330	± 0.3	± 3		

M: Mean
SD: Standard deviation

Table (5): Collective Table of Biochemical studies

	Urinary bilharziasis		Intestinal bilharziasis	Normal Control
	No. malignant	with malig. blad		
SG.P.T	18.5	23	13	10.5
SGOT	16	22	14	12.5
L.D.H	184	265	135	105
Creatinine	1.2	1.1	0.8	0.9
Amino acid	4.7	4.4	4.4	4.6
Urea	28	30	28	30
serum uric acid	3.8	3.5	3.6	3.4
Alkaline phosphatase	10.5	18.5	9	8.5
L.D.H	940	2400	6.7	
PH	6.7	7.4		
B-glucuronidase	5.2	38	1.8	
organised elements: a-pus cells b- red cells	+	+++	--	--
ova	3 out of 15	7 out of 15	13 out of 30	

M = Mean
S.D. = Standard deviation

Units:

SG.P.T.: I. U/L
S.F.O.T.: I. U/L
L.D.H.: in serum: I U/L
creatinine: mgm%
Alkaline phosphatase: K.A.U.
B-glucuronidase activity: unite/mgm creatinine
L.D.H. in urine: /8 hour vol

Amino acid: mgm%
Urea: mgm%
Serum uric acid: mgm%

Stool & Urine

Table (6): Percentage and absolute No. of T- Rosettes in Normal Control subjects.

Case No.	Active. T. rosettes (%)	Total. T. rosettes (%)	Absolute No. of Lymphocyte	Absolute No. of T ₁	Absolute No. of T ₂
I	25	78	2030	507	1583
2	15	65	2940	441	1411
3	16	69	3450	552	2380
4	17	59	2592	441	1529
5	23	67	1829	421	1225
6	18	62	2160	389	1339
7	15	64	1272	191	814
8	16	65	1124	198	806
9	20	64	1862	372	1192
10	13	65	1020	133	663
11	16	69	3450	552	2380
12	26	61	2257	587	1377
13	14	66	1488	208	982
14	15	67	2600	590	402
15	13	60	1250	162	750
16	11	72	1456	160	1048
17	19	62	1568	298	972
18	14	66	1488	208	982
19	20	56	1620	324	907
20	11	60	1530	168	918
21	20	68	1722	344	1171
22	21	66	2059	432	1359
23	26	74	1708	444	803
24	23	72	2454	565	1769
25	17	64	1695	288	1034
26	15	67	2600	590	402
27	14	66	1488	208	982
28	18	69	1482	267	1023
29	16	65	1240	198	806
30	21	66	2059	432	1359
M	17.6	65.46	23.35	376	1390
S.D.	±6.8	± 12.5	±322	±73	±350

M : Mean
SD: Standard deviation

Table (7): Percentage and Absolute No. of T. Rosette in Intestinal schistosomiasis.

Case No.	ER % Active	Total	Absolute No. Lymphocyte	Absolute No. of T ₁	Absolute No. of T ₂
I	8	41	1581	126	698
2	5	22	1470	73	323
3	15	56	1425	214	498
4	2	11	1440	29	158
5	19	46	2040	380	938
6	11	43	2696	291	1138
7	21	58	990	208	446
8	6	60	1848	111	1109
9	19	46	2046	380	938
10	6	35	3480	209	1218
11	8	46	2464	197	995
12	4	16	1938	252	995
13	9	32	1920	173	614
14	10	23	1456	146	335
15	5	39	2496	125	443
16	13	41	1938	252	995
17	5	43	1525	76	656
18	11	44	1568	188	690
19	5	22	1470	73	323
20	6	24	2160	130	518
21	6	34	1392	83	473
22	8	41	1581	126	648
23	14	33	1353	189	446
24	6	60	1848	111	1109
25	19	46	2040	380	938
26	3	12	2223	64	267
27	5	16	2052	103	328
28	13	41	1938	252	995
29	5	43	1525	176	656
30	8	46	2464	197	995
M	9.63	39.63	2235	222	688
S.D.	± 9	±18	± 250	± 53	± 84

M : Mean
SD : Standar deviation

Table (8): Percentage and Absolute No. of T. Rosett in Urinary Schistosomiasis.

Case No.	ER % T ₁ T ₂	Total Lymphocyte	Absolute T ₁	Absolute T ₂
I	2 60	1056	21	634
2	4 44	1518	61	668
3	2 35	7384	71	251
4	4 46	1482	59	682
5	10 25	1300	325	182
6	27 44	3074	830	1353
7	20 55	1792	358	896
8	16 48	1890	302	907
9	25 61	1820	455	1110
10	14 49	1534	215	752
11	13 58	2016	262	1169
12	14 62	450	63	279
13	15 64	7564	1135	4841
14	12 29	1360	163	344
15	17 60	1380	235	828
M	13.33 49.33	3250	676	2615
S.D.	±3.2 ±7.5	±520	±105	±610

M : Mean
S.D: Standard deviation

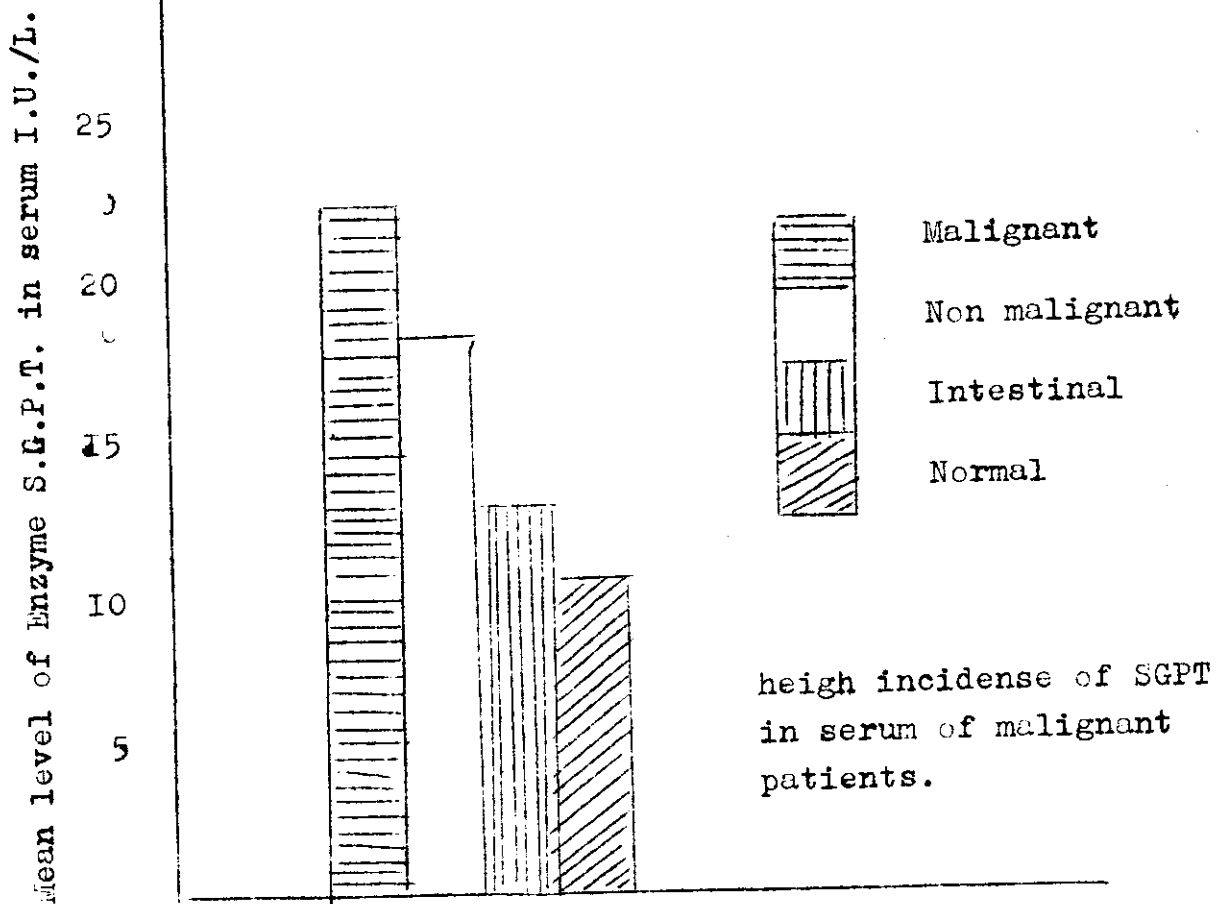
Table (9): Percentage and absolute No. of T. Rosette
in cancer bladder with schistosomiasis.

Case No.	T ₁	ER % T ₂	Total Lymphocyte	Absolute T ₁	Absolute T ₂
I	2	19	429	18	176
2	2	52	3060	61	1591
3	27	50	1581	427	790
4	6	20	1824	109	366
5	3	22	1350	1350	
6	1	41	516	40	236
7	4	55	1904	76	1047
8	9	12	630	57	67
9	6	44	1190	71	524
10	1	37	990	40	366
11	14	62	450	63	279
12	2	24	1024	40	246
13	4	46	1482	59	682
14	13	58	2016	262	1169
15	7	41	2400	168	1128
M	6.7	38.86	2250	680	508
SD	± 5	±12.5	± 480	±500	±205

M : Mean
SD : Standard deviation

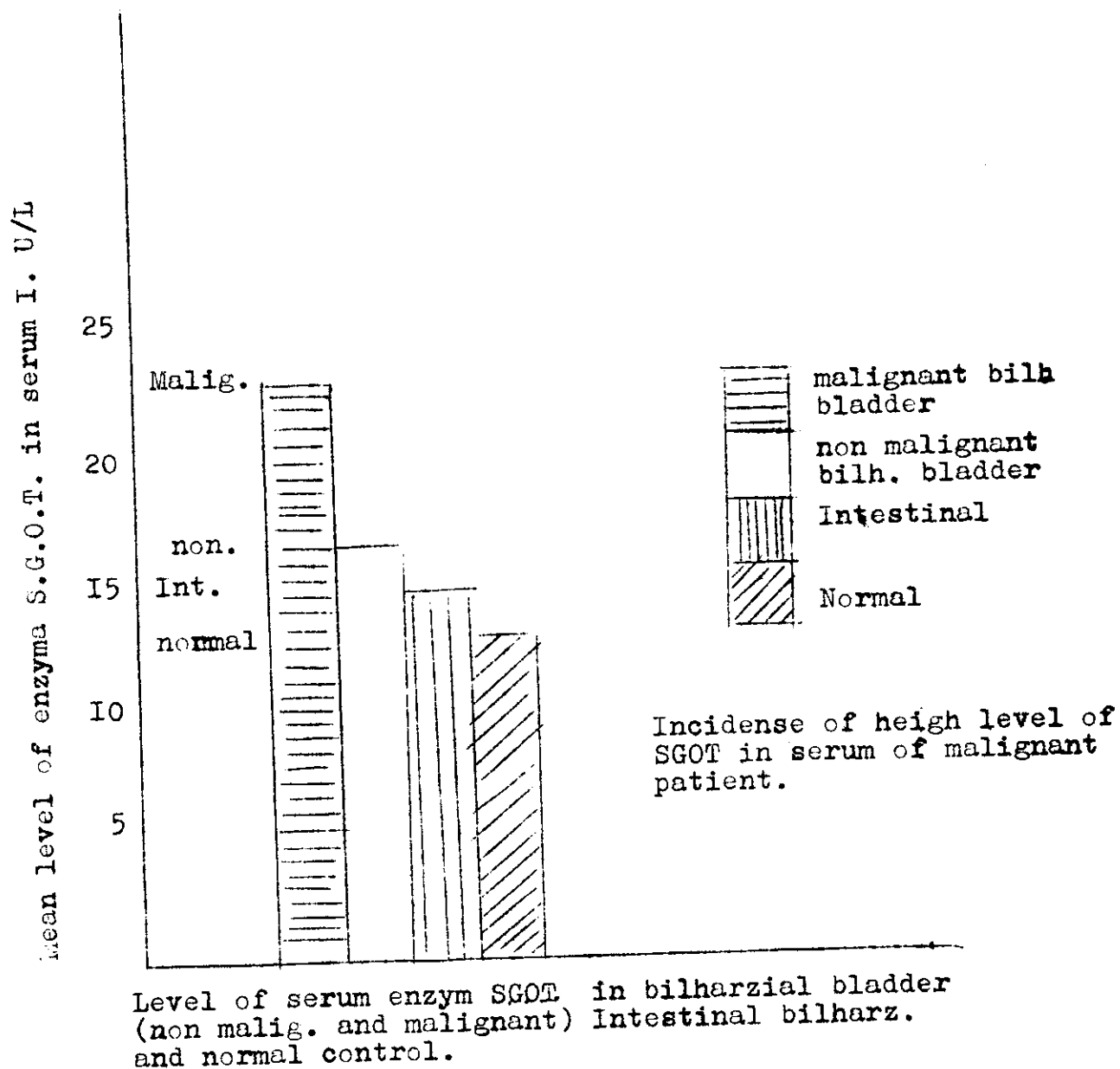
Histograms

(1)

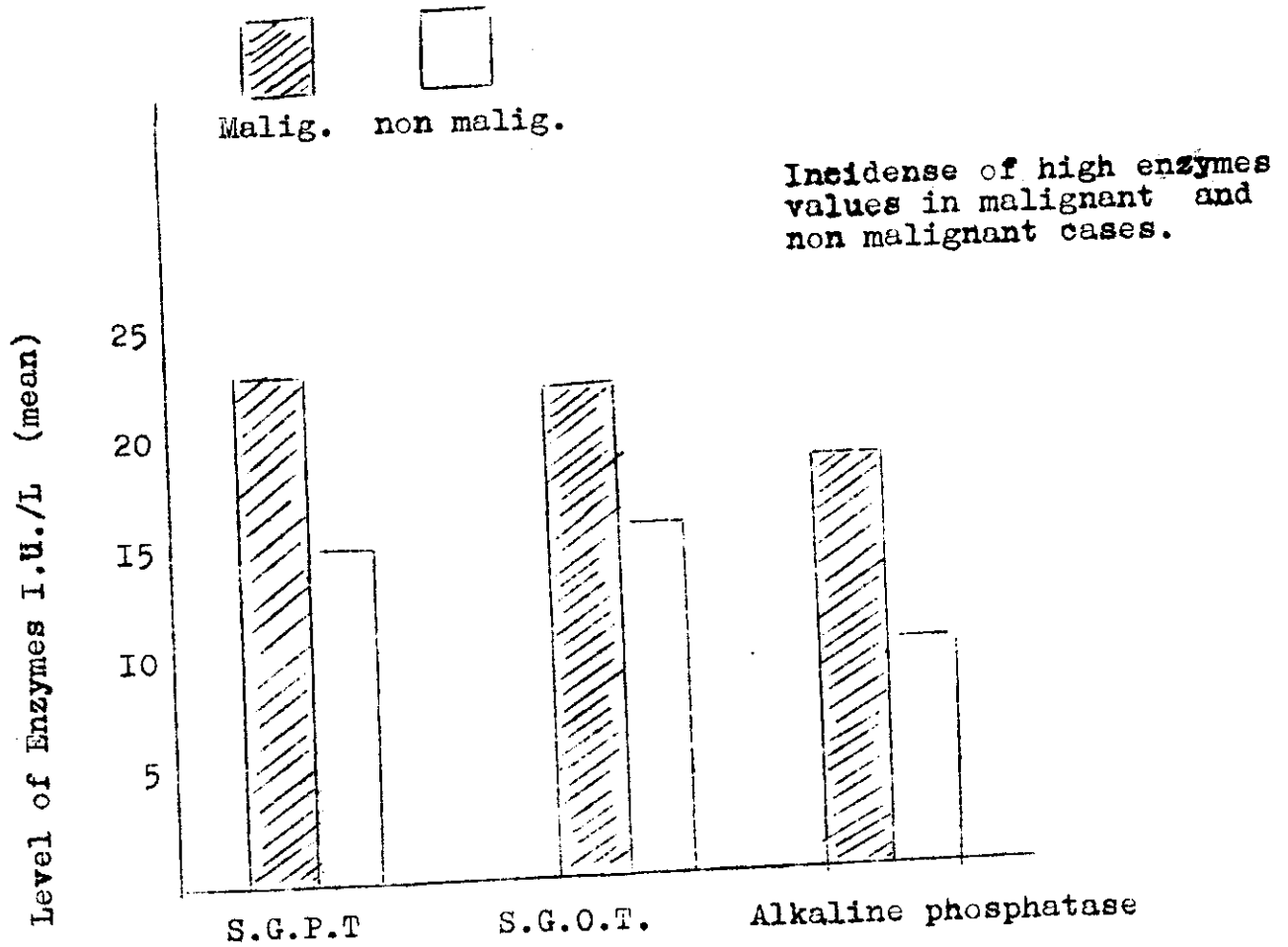


Level of enzyme SGPT in bilharzial bladder
(malignant and non malignant), Intestinal
bilharz and normal control.

list r (2)

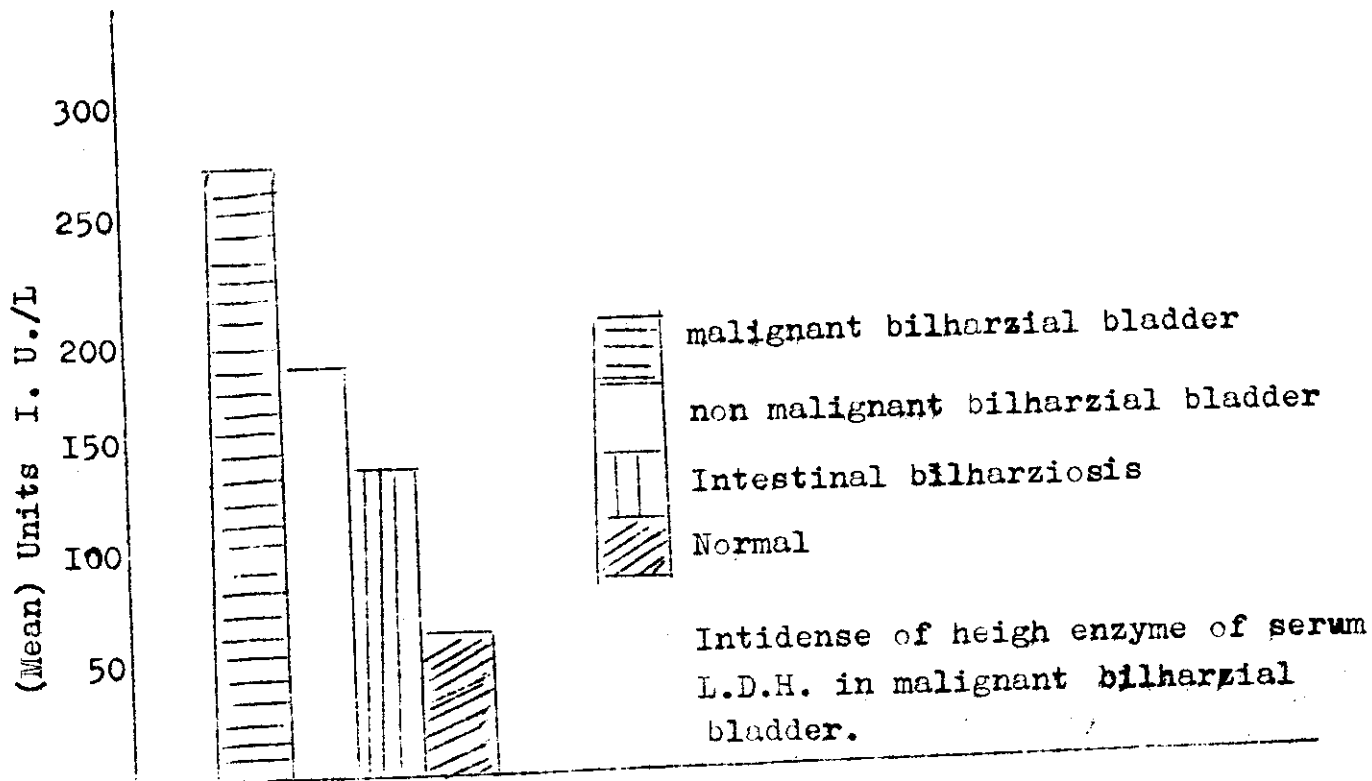


Histograms (3)



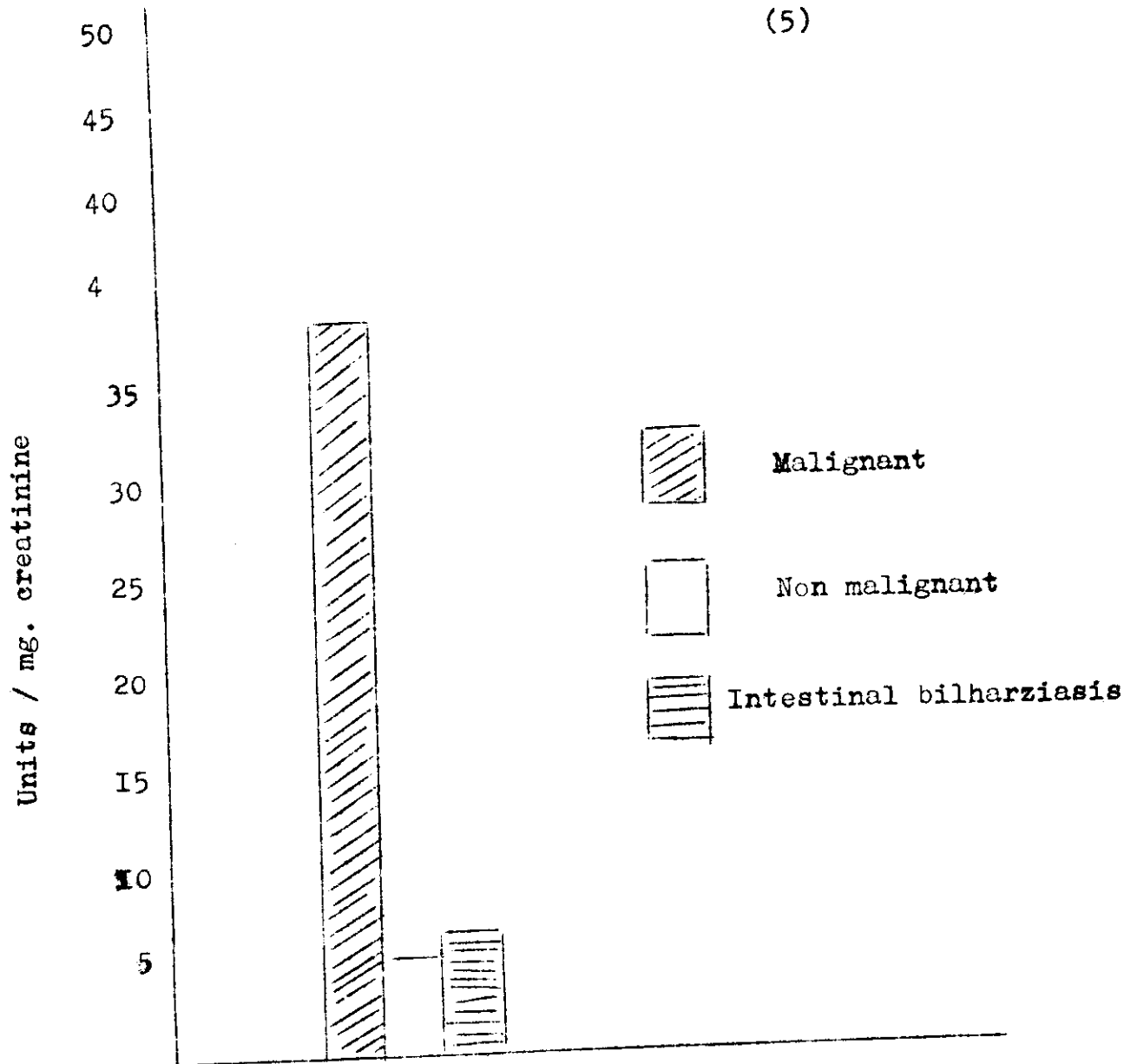
Level of Enzymes in malignant and non malignant
bilharzial bladder.

(4)



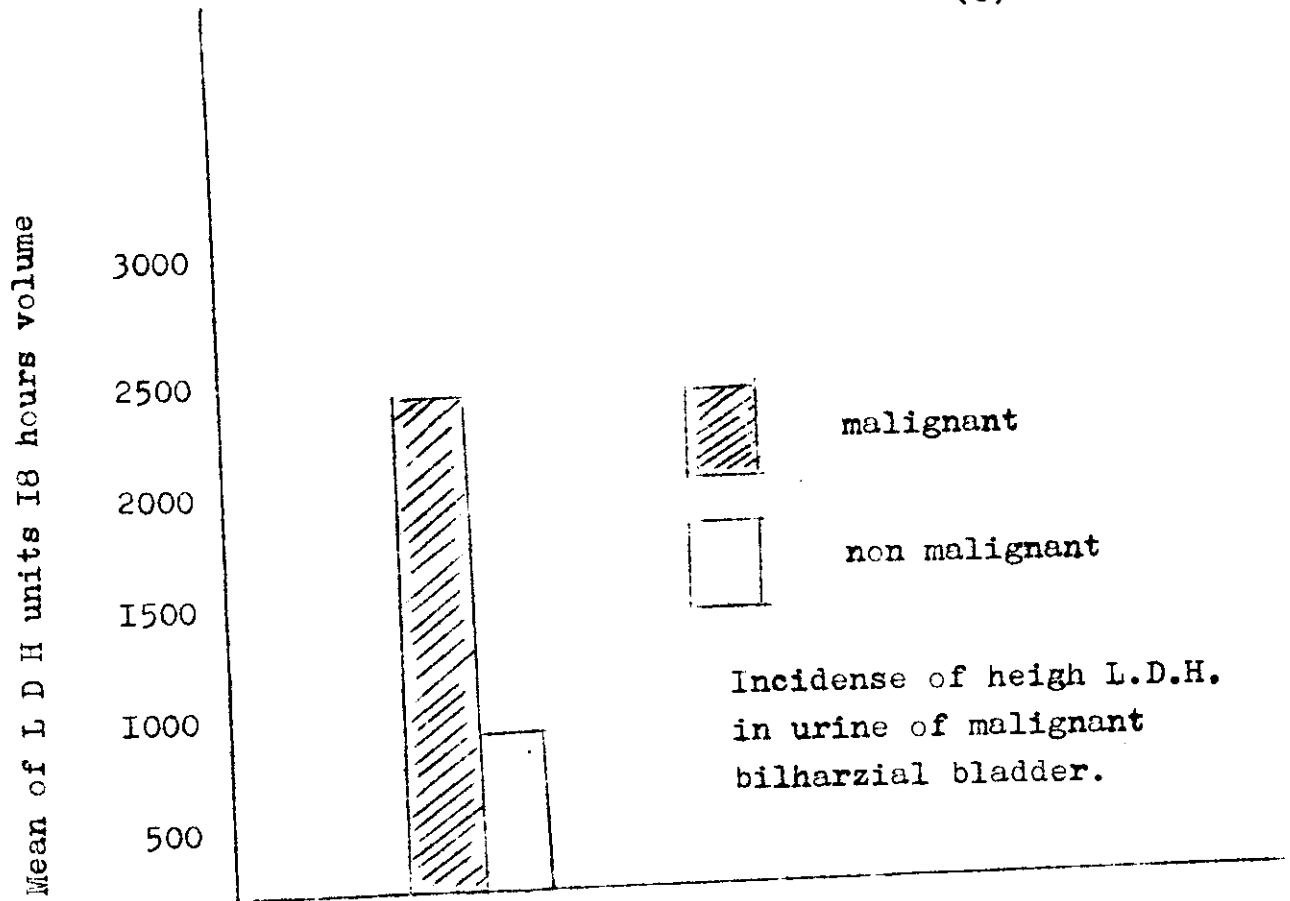
Level of serum LDH in cases of malignant, non malignant
bilharzial bladder, Intestinal and normal

(5)



Incidence of heigh
B-glucuranidase activity of urine in malignant
bilharzial blodder.

(6)



Urinary L D H of malignant and non malignant bilharzial bladder.