

RESULTS

The study was carried out at The Department of Biochemistry, Medical College and S. S. G. Hospital, Baroda. It includes a study of 851 patients out of which 320 subjects were included in the study comprising of both the normal subjects and the patients suffering from thyroid disease.

CONTROL GROUP OF NORMAL PATIENTS

Sr. No.	Redg. Number	Age Yrs.	Sex	TSH uIU/ml	T3 ng/ml	T4 ug/dl	TG mg/dl	VLDL mg/dl	LDL mg/dl	HDL mg/dl	Chol mg/dl	Na meq/L	K meq/L	LDH IU/L	AST IU/L
1	Staff	48	F	2	1.2	9.9	71	14.2	141.8	42	198	140	4.1	241	14.4
2	2325	40	F	1.5	0.8	10.5	69	13.8	105.2	45	164	139	4.8	273	40
3	Staff	45	F	0.5	1	12.6	74	14.8	129.2	48	192	142	4.4	254	12.7
4	2357	45	F	4	0.8	13	80	16	120	38	174	146	3.8	281	11.4
5	25940	50	F	1.25	0.8	12.7	97	19.4	127.6	52	199	136	3.6	282	18.9
6	Staff	50	F	3	1.3	12	111	22.2	137.8	41	201	138	3.9	238	39.4
7	Staff	48	F	3.6	1.8	11.7	96	19.2	121.8	43	184	142	4.7	242	16.8
8	Staff	24	F	2.4	1.3	10.7	89	17.8	128.2	51	197	139	3.7	264	21.1
9	wd-17	7	F	1.25	1.5	12.5	98	19.6	141.2	39	200	148	3.9	280	25.1
10	Staff	40	F	2.75	0.9	9.5	101	20.2	157.8	32	210	141	3.5	262	22.8
11	Student	24	M	0.75	1.8	9.5	110	22	137	43	202	142	3.6	302	28.1
12	4318	19	M	1.5	1.05	8.5	68	13.6	111.4	49	174	138	4.1	262	24.2
13	Staff	30	F	4	1.7	13	89	17.8	126.2	48	192	139	4.4	284	18.6
14	8514	35	F	0.75	1.9	8.5	110	22	150	40	212	136	4	271	17.4
15	202435	40	F	2.6	1.1	8	94	18.8	82	51	143	137	4.2	284	15.1
16	6560	35	F	6.4	1.4	6.8	103	20.6	114.4	49	184	142	4.3	253	23.4
17	Staff	28	F	0.6	0.85	5.25	98	19.6	124.4	51	195	138	5	234	39.6
18	178609	35	F	0.4	1.9	7.5	111	22.2	103.8	48	174	143	5.1	226	31
19	7525	30	F	2.5	0.8	5.5	103	20.6	122.4	41	184	138	5	242	28.4
20	5784	40	F	6.3	0.8	9.5	71	14.2	98.8	48	161	144	4.8	232	22.4
21	239456	34	F	0.75	1.05	7	108	21.6	150.4	31	211	144	5	415	28.7
22	8689	45	F	4	1.2	6	74	14.8	105.2	38	158	137	3.6	260	30.4
23	11312	40	F	7	1.6	10.75	87	17.4	114.6	42	174	138	3.8	228	15.4
24	334582	65	F	6.6	0.9	5	112	22.4	126.6	48	197	143	4.1	251	21.2
25	Staff	48	F	1.2	1.8	11.5	79	15.8	131.2	41	188	146	4	243	12.2
26	Staff	45	F	5.4	1.9	5	117	23.4	155.6	35	214	136	3.8	276	28.4
27	Staff	57	M	0.4	1.3	13	120	24	148	34	206	137	3.7	268	24.2
28	Student	25	F	2.4	1.2	12.8	68	13.6	157.4	39	210	138	3.9	287	20.1
29	wd-10	28	F	4	1.25	11.6	64	12.8	98.2	47	158	142	4.4	278	24.6
30	59842	38	M	3.5	1.5	10.3	97	19.4	60.4	41	214	138	4.2	312	12.1
	min	7		0.4	0.8	5	64	12.8	60.4	31	143	136	3.5	226	11.4
	max	65		7	1.9	13	120	24	157.8	52	214	148	5.1	415	40
	mean	37.9		2.78	1.28	9.67	92.3	18.46	124.3	43.17	189	140.2	4.18	267.5	22.9
	sd	12		2.01	0.381	2.682	16.86	3.373	22.65	5.896	19.17	3.277	0.482	35.5	8.03

GROUP-J: DATA OF HYPERTHYROID PATIENTS

Sr. No.	Redg. Number	Age Yrs.	Sex	TSH uIU/ml	T3 ng/ml	T4 ug/dl	TG mg/dl	VLDL mg/dl	LDL mg/dl	HDL mg/dl	Chol mg/dl	Na meq/L	K meq/L	LDH IU/L	AST IU/L
1	16690	68	F	0	7.5	22	61	12.2	50.8	32	95	128	4.2	348	40.2
2	15611	45	F	0	5	29	58	11.6	64.4	34	110	121	5.8	434	44.1
3	17104	42	F	0	2.8	16.5	62	12.4	79.6	38	130	134	5.1	426	42.9
4	Air force	58	M	0	1.5	14.5	72	14.4	103.6	40	158	139	5.6	448	53.7
5	Staff	45	M	0	7.5	14	51	10.2	87.8	30	128	130	5.8	351	58.1
6	56544	40	M	0	2.8	15	68	13.6	91.4	36	141	122	5.7	243	41.8
7	283597	52	M	0.1	5.4	18	58	11.6	70.4	39	121	126	5.6	334	40.2
8	283590	35	M	0	7.8	19	63	12.6	62.4	34	109	136	4.4	346	51.1
9	165095	48	M	0.2	4	17.5	60	12	75	34	121	131	5.7	428	40.8
10	172247	42	F	0.1	3.2	20	62	12.4	87.6	35	135	125	4	342	39.7
11	62588	48	M	0.3	2.5	20	65	13	90	38	141	132	5.1	347	38.2
12	173404	38	F	0.15	8.1	18.5	58	11.6	84.4	34	130	138	5.6	343	45.8
13	307084	39	F	0.3	8.5	19.75	63	12.6	79.4	36	128	132	4.4	381	48.2
14	172271	42	F	0.2	5	14	62	12.4	91.6	37	141	129	4	346	40.8
15	172275	40	F	0.35	2.75	17.5	52	10.4	89.3	28.3	128	131	5.6	348	41.7
16	wd-14	48	F	0.2	2.55	15	65	13	82.9	42.1	138	136	5.8	510	54.5
17	64057	43	M	0.2	3	20	61	12.2	42.8	40.8	95	131	5.6	310	51.7
18	174675	40	F	0.2	3.75	17.5	71	14.2	48.2	34	118	136	5.1	487	40.5
19	51929	25	M	0.3	2.75	25	107.8	21.56	27.64	32	81.2	131	5.7	581	45.4
20	13723	35	F	0	2.02	17.4	90	18	74.8	43.8	136.6	136	4.2	391	42.6
21	14333	42	M	0.18	2.5	14	89	17.8	64.9	38.4	121.1	132	5.1	400.3	41.8
22	17109	18	F	0	4.75	13.1	68	13.6	58.8	34	106.4	122	4.4	344	50.7
23	17150	45	F	0	2.04	18.5	53	10.6	54.4	30	95.2	133	5.8	596	43.2
24	186930	60	M	0.2	4.6	15	67	13.4	95.6	39	148	129	5	482	54.1
25	52219	30	F	0.3	2.25	18	58	11.6	63.4	37	112	136	5.7	446	47.4
26	16220	42	F	0.1	4	17.5	63	13.6	72.4	42	128	130	4.5	328	45.1
27	63720	48	F	0.2	3	12.5	61	12.2	85.8	34	132	131	5	329	51.7
28	63058	28	F	0.2	5	6.8	51	10.2	67.8	39	117	131	5.7	341	52.8
29	175174	35	M	0.3	7.5	9.8	54	12.8	84.2	32	129	136	5.2	338	50.7
30	172271	38	F	0.2	3.25	13.8	58	11.6	46.4	27	85	132	5.8	326	54.8
<i>min</i>		18	0	0	1.5	6.8	51	10.2	27.64	27	81.2	121	4	243	38.2
<i>max</i>		68	0	0.35	8.5	29	107.8	21.56	103.6	43.8	158	139	5.8	596	58.1
<i>mean</i>		41.967		0.143	4.244	17	64.89	12.979	72.59	35.68	121.95	131.2	5.173	389.1	46.48
<i>sd</i>		10.057		0.118	2.079	4.26	12.05	2.409	18.04	4.16085	18.592	4.627	0.623	80.48	5.7

GROUP-II: PATIENTS WITH T3TOXICOSIS

Sr. No.	Redg. Number	Age Yrs.	Sex	TSH uIU/ml	T3 ng/ml	T4 ug/dl	TG mg/dl	VLDL mg/dl	LDL mg/dl	HDL mg/dl	Chol mg/dl	Na meq/L	K meq/L	LDH IU/L	AST IU/L
1	51926	41	F	0.1	12.1	7.5	57	11.4	73.6	33	118	121	5.2	276	34.2
2	141176	48	F	0.21	8.4	8.2	52	10.4	68.6	30	109	138	5.6	315	38.4
3	171776	56	F	0	14.3	6.2	64	12.8	85.2	34	132	137	5	284	39.6
4	172196	46	F	0.2	9.2	7.4	65	13	91	38	142	138	5.4	324	44.3
5	172252	40	F	0.5	5.2	12	71	14.2	87.8	34	136	134	5.8	480	41.4
6	62025	58	F	0.4	4	7.5	60	12	93	37	142	136	5.6	392	24.6
7	400328	62	F	0.25	3.2	8.5	64	12.8	83.2	41	137	137	5.9	372	22.4
8	172845	70	F	0.2	2.5	6.25	52	10.4	78.6	31	120	139	5	368	35.7
9	52782	48	F	0.1	4.7	8.7	54	10.8	83.2	38	132	136	5.8	354	37.2
10	72619	40	F	0.1	5.6	12.1	59	11.8	104.2	36	152	138	5.9	372	38.4
11	143540	32	F	0.3	7.5	8	52.4	10.48	88.12	32.4	131	135	5.1	386	45.4
12	270186	46	F	0.3	9	7	56.2	11.25	90.56	38.2	140	139	4.7	267	43.6
13	62534	32	M	0.15	4	12.2	68.4	13.68	81.32	43.2	138.2	133	4.6	453	48.7
14	62565	38	F	0.1	3.2	6.7	62.3	12.46	84.44	44.1	141	137	4.8	294	36.2
15	725321	36	M	0.2	4.3	8.1	68.2	13.64	80.26	42.1	136	135	4.9	362	38.1
16	307084	48	F	0	8.5	11.75	62.1	12.42	94.38	40.2	147	138	5.4	373	36.2
17	16680	68	F	0.3	2.8	6.9	71	14.2	69.8	46	130	137	4.8	463	28.2
18	73718	46	F	0.25	3.25	6.1	60.5	12.1	83.9	32	128	138	4.6	281	44.6
19	54871	39	M	0.35	4.2	5.8	52	10.4	70.6	38	119	131	4.8	363	45.2
20	71629	63	M	0.18	5.8	4.3	63	12.6	52.4	41	106	138	6.7	386	42.6
21	152176	49	M	0.15	6.3	13	54	10.8	63.2	38	112	139	6	236	40.6
22	628443	67	F	0.1	8.9	14.6	61	12.2	60.8	36	109	137	5.8	346	29.2
23	151685	54	F	0	6.2	13	63	12.6	73.4	34	120	136	5.7	382	25.4
24	182163	55	F	0.4	2.3	12	65	13	80	38	131	139	4.6	396	32.4
25	182361	48	M	0.35	4.1	12.6	61.2	12.24	81.76	34	128	132	5.4	376	35.6
26	76243	42	F	0.2	3.6	11.8	62	12.4	91.6	39	143	130	5.1	380	39.1
27	501316	75	F	0.38	2.6	12.4	55	11	83	34	128	136	3.8	394	35.6
28	163724	46	M	0.2	2.5	10.8	59	11.8	65.2	39	116	137	4.6	326	32.1
29	63628	49	F	0.16	2.9	11.6	61	12.2	83.8	42	138	136	5.9	316	30.2
30	52528	51	F	0.26	3.6	12.2	64	12.8	95.2	30	141	131	5.2	324	36.6
	MIN	32	0	0	2.3	4.3	52	10.4	52.4	30	106	121	3.8	236	22.4
	MAX	75	0	0.5	14.3	14.6	71	14.2	104.2	46	152	139	6.7	480	48.7
	MEAN	50.1		0.213	5.49	9.51	60.643	12.129	80.632	37.21	130.07	135.6	5.257	354.7	36.8
	SD	11.3695		0.12567	3.02	2.84	5.4866	1.097	11.667	4.095	12.161	3.729	0.598	57.15	6.58

GROUP-III: HYPERTHYROID FOLLOW-UP CASES

Sr. No.	Redg. Number	Age Yrs.	Sex	TSH uIU/ml	T3 ng/ml	T4 ug/dl	TG mg/dl	VLDL mg/dl	LDL mg/dl	HDL mg/dl	Chol mg/dl	Na meq/L	K meq/L	LDH IU/L	AST IU/L
1	283597	52	M	4	1.2	4	72.4	14.48	92.72	41.8	149	144	4.2	273	28.2
2	283590	35	M	0.5	1.9	7.5	93.8	18.76	101.84	37.4	158	142	5	302	35.7
3	16690	60	F	0.9	1.8	13.5	73.4	14.68	120.12	47.2	182	146	5.1	293.1	40.6
4	15611	45	F	1.8	1.2	6.2	79	15.8	93.1	43.1	152	137	4.8	286	37.4
5	17104	42	F	6.7	0.8	11.8	82	16.4	107.8	42.8	167	134	3.7	382	36.8
6	AirForce staff	58	M	5.4	1	10.2	94.2	18.84	124.16	39	182	132	4	283	22.7
7		45	M	4.2	2	12.1	84	16.8	93.8	42.4	153	139	4.4	286	25.7
8	56544	40	M	3.2	1.7	9.2	92	18.4	113.6	52	184	142	3.7	243	40.7
9	165075	48	M	6.4	1.1	7.5	87	17.4	130.6	46	194	144	4.8	274	86.2
10	172247	42	F	4.9	1.8	8.4	94.3	18.86	119.94	39.2	178	146	5	287	38.4
11	62588	48	M	2.8	1.5	10.4	98	19.6	134.4	47	201	139	5.1	312	21.4
12	173404	38	F	6.7	1.3	8.2	85	17	132	50	199	143	4.1	324	26.2
13	51926	41	F	1.25	2.75	2.5	115	23	143	48	214	137	3.8	262	38.9
14	172271	42	F	2.7	1.6	6.4	78	15.6	120.4	47	183	136	3.6	287	30.1
15	64057	43	M	1.6	1.7	5	94	18.8	106.2	38	163	142	3.8	382	28.2
16	174675	40	F	3.2	1.8	6.8	123	24.6	113.4	36	174	139	3.9	362	34.6
17	51929	25	M	4.6	1.2	7.2	131	26.2	117.8	42	186	144	4.6	376	33.2
18	13723	35	F	1.4	1.1	9.8	146	29.2	115.8	48	193	145	4.2	343	34
19	14333	42	M	2.6	0.8	10.1	103	20.6	100.4	41	162	139	4.1	381	31.2
20	17109	18	F	4.3	0.7	6.8	117	23.4	89.6	40	153	138	4.8	301	26.1
21	17150	45	F	5.2	1	7.8	124	24.8	152.2	37	214	146	5	263	28.2
22	186930	60	M	6	1.2	11.3	143	28.6	152.4	42	223	142	4.4	251	26.7
23	52219	30	F	6.1	1.8	6.3	112	22.4	133.6	40	196	136	3.6	362	21.6
24	16220	42	F	4.2	1.6	7.8	73	14.6	120.4	48	183	139	3.8	342	29.3
25	63720	48	F	1.6	1.5	8.2	89	17.8	141.2	51	210	138	3.9	496	28.2
26	63058	28	F	3.7	1	9.7	94	18.8	168.2	38	225	141	4.1	410	36.7
27	175174	35	M	5.2	1.1	10.2	68	13.6	150.4	39	203	145	4.2	282	24.8
28	172271	38	F	6.3	1.2	11.6	103	20.6	86.4	56	163	140	4.8	263	19.7
29	51926	41	F	1.4	1.8	12.3	123	24.6	111.4	42	178	138	5	254	28.3
30	WD-14	48	F	2.8	1.7	10.7	114	22.8	92.2	47	162	139	5.1	238	24.2
	MIN	18	0	0.5	0.7	2.5	68	13.6	86.4	36	149	132	3.6	238	19.7
	MAX	60	0	6.7	2.75	13.5	146	29.2	168.2	56	225	146	5.1	410	86.2
	MEAN	41.8		3.72	1.43	8.65	99.5	19.9	119.303	43.597	182.8	140	4.353	310	32.13
	SD	9.41166		1.9	0.45	2.58747	21.1	4.22	21.3174	5.057	21.98	3.69	0.522	50.76	11.84

GROUP-IV : HYPERTHYROID WITH OVER TREATMENT

Sr. No.	Redg. Number	Age Yrs.	Sex	TSH uIU/ml	T3 ng/ml	T4 g/dl	TG mg/dl	VLDL mg/dl	LDL mg/dl	HDL mg/dl	Chol mg/dl	Na meq/L	K meq/L	LDH IU/L	AST IU/L
1	51929	25	M	12.5	1	4.5	149	29.8	150.2	58	238	132	4.1	387	25.1
2	283590	35	M	14	0.8	0	195	39	212	48	329	134	3.6	384	28.2
3	Airforce	58	M	7.4	0.6	3	190	38	170	55	273	135	3.9	462	48
4	174675	40	F	20	1	2.5	275	55	273	52	390	133	3.8	476	45
5	283597	52	M	7.4	0.85	3.5	129	25.8	189.2	48	263	128	3.6	453	38
6	51926	41	F	6.8	0.7	5.6	150	30	167	39	236	136	3.7	386	28.6
7	17104	42	F	15.8	0	1.8	205	41	262	56	359	130	3.6	496	26.4
8	17150	45	F	7	0.6	0.4	170	34	200	42	276	128	3.9	462	34.6
9	63720	48	F	5.4	0.9	2.9	262	53	208	59	330	124	4	389	37
10	63058	28	F	6.2	0.2	0.3	215	43	192	50	285	131	4.1	410	35
11	172271	38	F	10	0	4	195	39	206	55	310	128	3.9	408	38
12	52219	30	F	7.6	0.6	3.4	165	33	209	48	290	126	3.6	476	40
13	186930	60	M	8	0.5	3.5	215	43	195	58	296	130	4	425	32.6
14	13723	35	F	15.6	ND	2.5	240	48	246	56	356	128	4.2	386	38.1
15	17109	18	F	7.9	0.5	4.6	173	34.6	299.4	48	382	131	3.6	362	36.6
16	STAFF	45	M	6.3	0.4	4.3	154	30.8	209.2	56	296	128	3.9	410	39.1
17	WD-14	48	F	4.2	0.8	3.2	162	32.4	199.6	32	264	126	4.2	456	24.2
18	16690	68	F	8.7	0.9	5	182	36.4	168.6	38	243	130	4.9	482	29.6
19	15611	45	F	9.8	1	6.2	196	39.2	156.8	42	238	124	5	396	24.2
20	16220	42	F	10.6	1.3	2.8	216	43.2	193.8	34	271	133	3.6	482	32.6
MIN				4.2	0	0	129	25.8	150.2	32	236	124	3.6	362	24.2
MAX				20	1.3	6	275	55	299.4	59	390	136	5	496	48
MEAN				9.56	0.67	3	191.9	38.41	205.34	48.7	296.25	129.8	3.96	429.4	34.05
SD				4.0738	0.35	2	38.07	7.673	38.78	8.355	47.684	3.432	0.398	42.21	6.728

GROUP- V - HYPOTHYROIDISM WITH HYPERCHOLESTEROLEMIA

Sr. No.	Redg. Number	Age Yrs.	Sex	TSH uIU/ml	T3 ng/ml	T4 ug/dl	TG mg/dl	VLDL mg/dl	LDL mg/dl	HDL mg/dl	Chol mg/dl	Na meq/L	K meq/L	LDH IU/L	AST IU/L
1	17845	40	F	11.1	1.55	2.25	97	19.4	325.6	44	389	132	3.8	431	48.2
2	283519	43	M	25	0.8	3.5	151	30.2	290.8	48	369	130	4.1	310	62
3	STAFF	45	F	25	0.35	0.75	121	24.2	307.8	42	374	131	4.2	384	78.2
4	17329	60	F	10.3	1.6	1.25	112	22.4	297.6	47	367	135	3.6	362.8	89.7
5	STAFF	38	F	9.4	1.5	3	104	20.8	326.2	40	387	134	3.8	312.4	48.2
6	STAFF	40	F	17.5	0.25	4.5	144	28.8	289.5	43.7	362	138	3.6	484.5	87.2
7	563371	39	M	21	0.3	3.2	147.2	29.44	253.16	38.4	327	128	3.7	567.2	118.7
8	325134	30	F	8.5	1.47	3.75	138.1	27.62	332.08	52.3	412	132	3.9	412.3	110.7
9	STAFF	47	F	11.25	1.6	4.75	124.1	24.82	318.98	44.2	388	124	4	427.4	138.2
10	51170	40	F	14	0.7	0	138.9	27.78	328.22	52	408	132	3.2	538.2	142.1
11	57832	35	F	17.5	0.6	3.6	85	17	226	55	298	131	3.8	358.4	80.2
12	58209	38	F	7.5	1.58	4.5	73.2	14.64	208.36	37	260	130	3.6	448.2	48.7
13	43419	45	M	9	1.7	4.75	84.2	16.84	240.16	42	299	132	4.4	487.2	54.8
14	58210	38	F	9.5	1.2	4.5	60	12	188	50	250	136	3.9	497.4	62.4
15	59854	37	M	15	0.9	0	89.7	17.94	330.86	48.2	397	138	3.7	382.7	40.4
16	STAFF	35	M	21	0.65	1.75	123	24.6	324.2	38.2	387	142	4.5	448.2	74.5
17	60467	38	M	17	0.35	0.75	138.2	27.64	358.06	31.3	417	135	3.6	512	64.7
18	ENT	30	F	18	0.65	2	143	28.6	315.2	38.2	382	139	4.3	346	48.4
19	STAFF	35	F	23.5	0.7	4	72.4	14.48	229.02	53.5	297	138	4.2	483	48.9
20	8374	38	F	9.5	1	3	160	32	320.5	31.4	384	132	4.1	450	49.4
21	68014	32	F	25	0.3	1	78	15.6	230.2	48.2	294	130	4.2	427	53.6
22	8304	30	F	8	1.4	4.25	84	16.8	302.9	42.3	362	136	4.6	583	64.5
23	45583	48	F	12	1.2	4.75	60.4	12.08	204.92	59	276	128	4.4	363	48.4
24	89088	35	M	13	1	4.5	67.6	13.52	326.28	46.2	386	129	4	425	60.6
25	61096	24	F	14.25	0.43	3	83.2	16.64	239.96	32.4	289	121	3.6	416.2	54.3
26	61807	35	F	22.2	0.28	2.6	101.2	20.24	308.76	45.2	374.2	127	3.9	384.2	66.3
27	61786	53	F	17.6	0.35	4.4	62.1	12.42	194.48	44.1	251	136	4.1	486.4	47.2
28	281435	60	F	10	1.5	9.2	73.1	14.62	210.78	42.6	268	140	4.6	494.2	68.4
29	141176	49	F	7.6	1.75	10	82.4	16.48	216.12	51.4	284	136	3.8	382	49.1
30	172421	58	F	40	0.4	0.5	92.3	18.46	269.44	59.1	347	125	5.1	429	60.5
	MIN	24		7.5	0.25	0	60	12	188	31.3	250	121	3.2	310	40.4
	MAX	60		40	1.75	10	160	32	358.06	59.1	417	142	5.1	583	142.1
	MEAN	41		15.67	0.94	3.333	103	20.6	277.14	44.9	342.8	132.6	4.01	434.43	68.95
	SD	8.9		7.336	0.52	2.295	31.03	6.205	51.279	7.338	53.7	4.953	0.396	69.667	26.83

GROUP-VI: HYPOTHYROIDISM WITH HYPERLIPOPROTEINEMIA [TYPE IIB]

Sr. No.	Redg. Number	Age Yrs.	Sex	TSH uIU/ml	T3 ng/ml	T4 ug/dl	TG mg/dl	VLDL mg/dl	LDL mg/dl	HDL mg/dl	Chol mg/dl	Na meq/L	K meq/L	LDH IU/L	AST IU/L
1	145584	19	M	15	1	3.5	172.4	34.48	178.72	47.8	261	134	4	487	62.1
2	145583	28	F	8.9	1.1	7	167.1	33.42	182.18	42.4	258	136	4.3	382	54.6
3	STAFF	45	F	9.5	0.9	4.5	170.1	34.02	214.68	38.3	287	141	3.8	484	44.2
4	10234	28	F	10.3	0.55	2.75	182.4	36.48	220.12	36.4	293	136	3.9	664.1	48.2
5	55844	45	F	17	1.2	1.45	179.3	35.86	220.94	41.2	298	134	3.5	499.4	69.4
6	56681	40	F	10	1.2	0.9	182.4	36.48	217.12	43.4	297	135	4	494	48.3
7	146628	21	F	12.4	1.05	2.75	160.1	32.02	233.68	48.3	314	134	3.6	384.1	49.7
8	230798	43	F	16	0.8	3.85	158	31.6	183.2	49.2	264	130	3.9	410.2	68.2
9	STAFF	39	F	15	1.1	4.25	168.4	33.68	217.22	42.1	293	131	3.6	498	68.4
10	STAFF	38	F	8.25	0.9	5.25	179.3	35.86	208.04	40.1	284	136	3.7	450	51.4
11	104503	61	M	7.25	0.8	7.5	153	30.6	193.3	32.1	256	129	5.1	427.3	66.2
12	2143	42	F	7.5	0.85	5	172.4	34.48	194.32	58.2	287	134	3.7	497	48.4
13	4271	52	F	9.25	1	4	128	25.6	199.4	32	257	126	3.8	384	55.4
14	STAFF	24	F	12.5	0.9	4	161	32.2	177.8	38	248	135	3.7	391	48.2
15	284479	38	F	8.6	0.8	5.1	174.2	34.84	229.06	33.1	297	136	3.8	474	69.3
16	252858	45	F	7.2	0.9	6	184.5	36.9	243.9	31.2	312	131	4.2	782.3	56.2
17	5417	21	M	12	0.95	4	176.2	35.24	223.06	38.7	297	127	4.1	376.4	67.3
18	7718	20	M	13.75	1	4.75	182.6	36.52	183.18	42.3	262	132	4	448.2	59.4
19	8959	50	M	13.25	1	5.5	161.2	32.24	167.46	48.3	248	128	3.5	396.4	48.7
20	9417	17	M	12.5	1.4	1.4	158.2	31.64	216.96	47.4	296	127	5	382.7	41.2
21	9238	18	M	8.05	1.2	5	143.7	28.74	176.86	55.4	261	136	5.1	496.2	68.7
22	8722	15	M	11.5	1.8	8.5	176.2	35.24	183.56	57.4	276	128	3.6	384.7	46.5
23	286575	48	F	16	0.8	4.1	210	42	286	33	361	127	3.2	476	49.7
24	563718	51	F	8.2	0.9	4	182	36.4	201.6	48	286	134	3.8	601.6	67.2
25	2246	38	F	18.6	0.85	3.8	178	35.6	223.3	39.1	298	132	3.6	368	58.6
26	20324	46	F	8.2	0.7	4.6	162	32.4	200.6	30	263	128	3.6	426	49.8
27	2646	53	F	17.8	0.5	3.7	176	35.2	215.6	32	283	126	3.7	410	38.4
28	9217	59	F	17.6	0.2	2.8	153	30.6	204.4	28	263	131	3.9	426	48.2
29	8718	65	F	8.5	0.6	4	178	35.6	262.4	23	321	130	4	482	51.6
30	57761	70	F	9.6	0.7	3.5	210	42	228	26	296	128	3.7	464	42.4
	MIN	15		7.2	0.2	3.9	128	25.6	167.46	23	248	126	3.2	368	38.4
	MAX	70		18.6	1.8	8.5	210	42	286	58.2	361	141	5.1	782.3	69.4
	MEAN	39.3		11.67	0.92	4.248	171.32	34.265	209.56	40.08	283.9	132	3.913	461.6	54.86
	SD	15.3		3.573	0.29	1.661	16.671	3.3341	26.491	9.13	24.93	3.8	0.452	90.35	9.561

GROUP-VII : SEVERE HYPOTHYROIDISM WITH HYPERLIPOPROTEINEMIA (TYPE III)

Sr. No.	Ref. Number	Age Yrs.	Sex	TSH uIU/ml	T3 ng/ml	T4 ug/dl	TG mg/dl	VLDL mg/dl	LDL mg/dl	HDL mg/dl	Chol mg/dl	Na meq/L	K meq/L	LDH IU/L	AST IU/L
1	253545	50	F	>25	0.09	0.3	178	35.6	213.4	61	310	128	4.1	462	48
2	STAFF	45	F	15	0.5	2	216	43.2	287.8	63	394	124	3.8	458	42
3	173503	43	F	10	0.4	0.8	220	44	286	58	388	130	4	512	40
4	STAFF	40	F	>25	0.5	3.5	248	49.6	290.4	57	397	128	4.3	561	47.2
5	283519	43	M	>25	0.3	1.2	211	42.2	290.8	56	389	127	3.8	576	45.1
6	283490	40	F	24	0.75	3.5	198	39.6	186.4	63	289	123	4.2	582	52.3
7	6740	20	F	18	0.6	1.5	284	56.8	249.2	56	362	119	4.6	523	42.8
8	3518	80	F	18.5	0.25	1.5	182	36.4	172.6	65	274	121	4.3	514	48.2
9	5810	35	F	23.5	0.7	4	189	37.8	192.6	67	297	130	3.5	483	41.8
10	3495	40	M	>25	0.85	1.25	197	39.4	210.6	60	310	131	5	473	42.4
11	276542	27	F	>25	0.4	3.5	224	44.8	230.2	67	342	132	5.1	482	49.7
12	178322	60	F	>25	0.58	4	302	60.4	293.6	57	411	133	3.7	479	52.8
13	9909	35	M	25	0	0.1	192	38.4	203.6	55	297	134	4.2	482	58.1
14	8374	38	F	17.5	0.5	3	164	32.8	192.2	62	287	124	5	473	56.1
15	9942	45	F	17	0.35	3.75	193	38.6	225.4	51	315	122	3.8	481	38.2
16	9907	28	M	25	0	0.2	171	34.2	190.8	73	298	136	4.8	398	38
17	9939	25	M	17	0.275	3	169	33.8	196.2	54	284	137	4.9	362	62
18	252474	50	F	18	0.425	3	184	36.8	193.2	64	294	134	5.1	420	69
19	8983	44	M	>25	0.5	0.25	238	47.6	275.4	59	382	123	4.6	451	38
20	8982	36	F	>25	0.5	0.9	213	42.6	230.4	54	327	122	3.5	447	49.4
21	8984	43	F	25	0.9	0.5	169	33.8	205.2	58	297	125	3.6	462	44.8
22	STAFF	20	F	>25	0.45	1	240	48	231	65	344	126	4.2	384	57.4
23	OPD	16	F	15	0.25	3	197	39.4	288.6	56	384	134	4.7	396	34.8
24	10458	13	M	24	0.25	0	187	37.4	278.6	58	374	135	4.9	402	37.2
25	11345	40	F	16	0.2	3.25	198	39.6	265.4	59	364	127	5	428	54.5
26	12072	70	M	>25	0	0	273	54.6	267.4	62	384	134	3.7	438	66.1
27	STAFF	38	F	>25	0.45	1.5	187	37.4	265.6	59	362	129	3.9	449	38.9
28	12670	15	M	18.4	0.02	1.5	179	35.8	193.2	55	284	126	4.2	462	40.1
29	STAFF	30	F	>25	0.15	0.3	155	31	191	50	272	122	4.6	610	48.1
30	15350	32	F	19.6	0	1.75	172	34.4	211.6	52	296	120	3.5	558	57.5
	MIN	13	0	10	0	0	155	31	172.6	50	272	119	3.5	362	34.8
	MAX	80	0	25	0.9	4	302	60.4	293.6	73	411	137	5.1	610	69
	MEAN	38		19.25	0.371	1.8	204.3	40.87	233.61	59.2	333.67	127.9	4.287	473.6	48.02
	SD	15.1		4.286	0.252	1.37	36.23	7.246	40.205	5.2154	44.532	5.251	0.537	60.88	8.998

GROUP-VIII : HYPOTHYROID FOLLOWUP CASES

Sr. No.	Redg. Number	Age Yrs.	Sex	TSH uIU/ml	T3 ng/ml	T4 ug/dl	TG mg/dl	VLDL mg/dl	LDL mg/dl	HDL mg/dl	Chol mg/dl	Na meq/L	K meq/L	LDH IU/L	AST IU/L
1	253545	50	F	1.7	1.75	7.5	138	27.6	168.4	52	248	138	3.8	320	34
2	283519	43	M	4.5	1.2	6.5	103	20.6	165.4	48	234	141	3.9	343	31
3	173503	43	F	1.5	1.5	8.25	178	35.6	163.4	42	241	144	4.1	384	28.1
4	283490	40	F	0.65	0.9	4.5	64	12.8	161.2	38	212	143	4.2	274	14.2
5	STAFF	45	F	1	1.9	15	94.2	18.84	220.16	45	284	136	4.5	228	19.2
6	145584	29	M	4.5	1.5	5.5	67	13.4	126.6	44	184	141	4.1	284.1	25.1
7	145583	28	F	0.4	0.8	5.5	103.1	20.62	104.18	47.2	172	138	3.8	294.3	16.2
8	10234	28	F	0.55	0.9	5.75	138.4	27.68	141.92	42.4	212	136	3.7	267.4	14.2
9	STAFF	45	F	1.2	0.9	5	84.1	16.82	108.98	47.2	173	142	3.9	384.2	32.1
10	56681	40	F	7	1.2	9.2	72.1	14.42	117.18	51.4	183	137	3.7	372.4	30.3
11	55844	45	F	5.5	1	12	120	24	134.8	39.2	198	143	3.8	364.1	39.7
12	276542	21	F	7.1	0.82	8.6	74.2	14.84	150.46	48.7	214	138	3.9	282.4	28.2
13	17845	40	F	8.5	1.6	6.2	62.4	12.48	151.22	49.7	213.4	141	3.6	267.2	36.4
14	252474	50	F	4.5	1.9	7.5	60.2	12.04	102.66	48.7	163.4	136	3.8	258.4	28.4
15	9907	28	M	0.4	0.8	6.8	68.2	13.64	62.66	56	132.1	145	3.7	296.4	32.6
16	9909	35	M	0.9	1.3	7.9	57.2	11.44	87.46	48.3	147.2	139	3.6	274.6	34.2
17	3495	40	M	1.7	1.2	6.6	97.4	19.48	94.82	38.4	152.7	144	3.9	385.1	25.7
18	STAFF	30	F	2.7	0.4	9.4	101.7	20.34	123.76	43.4	187.5	135	3.7	410.2	31.2
19	STAFF	20	F	4.5	0.9	11.2	121.3	24.26	112.94	57.2	194.4	146	3.8	450	34.7
20	8374	38	F	6.2	0.7	12.7	107.2	21.44	99.56	55.2	176.2	134	3.9	428.2	37.8
21	18014	32	F	3.4	1.4	10.1	119.2	23.84	87.16	56.4	167.8	148	3.7	387.1	28.9
22	6740	20	F	5.6	1.7	9.7	118	23.6	125.4	48.2	197.2	132	3.6	273.1	21.4
23	9942	45	F	6.7	1.3	8.4	97	19.4	90.9	43.4	153.7	144	3.8	228.3	16.7
24	12072	70	M	4.8	1	7.2	62	12.4	114.2	41.8	168.4	136	3.9	264.1	28.2
25	61096	24	F	2.1	1.2	6.8	84	16.8	147.6	46.2	210.6	141	3.8	282.3	34.7
26	5810	35	F	1.7	1.8	5.4	95	19	160.7	40.7	220.4	138	3.6	296.1	33.8
27	61786	53	F	5.7	1.7	8.2	72	14.4	124	58.3	196.7	142	3.8	228	25.2
28	178322	60	F	6.2	1.4	9.8	84	16.8	170.9	59.7	247.4	140	3.9	242.1	22.7
29	141176	49	F	0.7	1.3	7.2	89	17.8	87.7	48.2	153.7	138	3.7	286.3	36.1
30	3518	80	F	7	1.1	9.7	72	14.4	91.2	37.2	142.8	136	4.2	384.1	19.8
MIN				0.4	0.4	4.5	57.2	11.44	62.66	37.2	132.1	132	3.6	228	14.2
MAX				8.5	1.9	15	178	35.6	220.2	59.7	284	148	4.5	450	39.7
MEAN				3.63	1.24	8.137	93.46	18.69	126.6	47.403	192.69	139.7	3.85	314.7	28.027
SD				2.5205	0.39	2.435	28.15	5.63	34.44	6.303	35.929	3.877	0.2	64.19	7.2306

GROUP-IX: HYPOTHYROID WITH OVERTREATMENT

Sr. No.	Redg. Number	Age Yrs.	Sex	TSH uIU/ml	T3 ng/ml	T4 ug/dl	TG mg/dl	VLDL mg/dl	LDL mg/dl	HDL mg/dl	Chol mg/dl	Na meq/L	K meq/L	LDH IU/L	AST IU/L
1	STAFF	45	F	0.3	2.25	18	68	13.6	56.4	42	112	134	4.8	362	24.5
2	STAFF	45	F	0.2	3.2	17	53	10.6	75.4	38	124	137	4.6	384	51.2
3	173503	43	F	0.38	2.6	14	62	12.4	90.6	33	136	136	4.2	396	68.4
4	283519	43	M	0.4	2.4	15	72	14.4	93.6	30	138	135	4.1	286	24.2
5	283490	40	F	0.5	1.3	14.2	55	11	85	32	128	134	3.8	276	44.2
6	276542	27	F	0.6	1.6	12.8	58	11.6	85.4	35	132	135	3.9	289	49.8
7	178322	60	F	0.4	1.9	16	61	12.2	78.8	36	127	134	3.8	290	48.6
8	STAFF	20	F	0.3	2.1	17	56	11.2	79.8	32	123	135	3.6	267	54.2
9	253545	50	F	0.25	2.6	20	50	10	60	44	114	138	3.9	283	28.6
10	252474	50	F	0.38	2.9	18.6	58	11.6	79.4	32	123	142	3.7	296	48.3
11	12072	70	M	0.5	1.3	7.6	78	15.6	88.4	38	142	136	3.8	382	26.4
12	STAFF	30	F	0.7	1.8	13	98	19.6	94.4	42	156	139	4.2	380	27.1
13	6740	20	F	0.6	2.1	13.1	62	12.4	75.6	38	126	140	4	396	68.2
14	3518	80	F	0.9	1.9	12.6	51	10.2	100.8	31	142	136	3.9	410	36.2
15	5810	35	F	0.85	2.1	14.1	60	12	107	34	153	128	3.7	383	38.1
16	3495	40	M	0.6	1	13.1	55	11	113	38	162	130	3.9	374	66.4
17	9909	35	M	0.2	1.6	12	58	11.6	83.4	41	136	129	4.2	362	32.6
18	8374	38	F	0.45	2	11.8	64	12.8	97.2	32	142	124	4.8	428	39.1
19	9942	45	F	0.3	2.5	13.6	70	14	72	40	126	126	3.6	404	40.1
20	9907	28	M	0.16	2	12	68	13.6	79.4	39	132	130	3.7	394	38.6
	MIN	20		0.16	1	7.6	50	10	56.4	30	112	124	3.6	267	24.2
	MAX	80		0.9	3.2	20	98	19.6	113	44	162	142	4.8	428	68.4
	MEAN	42.2		0.45	2.06	14.28	62.85	12.57	84.78	36.35	133.7	133.9	4.01	352	42.74
	SD	15.2		0.21	0.55	2.853	11.03	2.2055	14.131	4.221	13.159	4.712	0.364	53.8	14.103

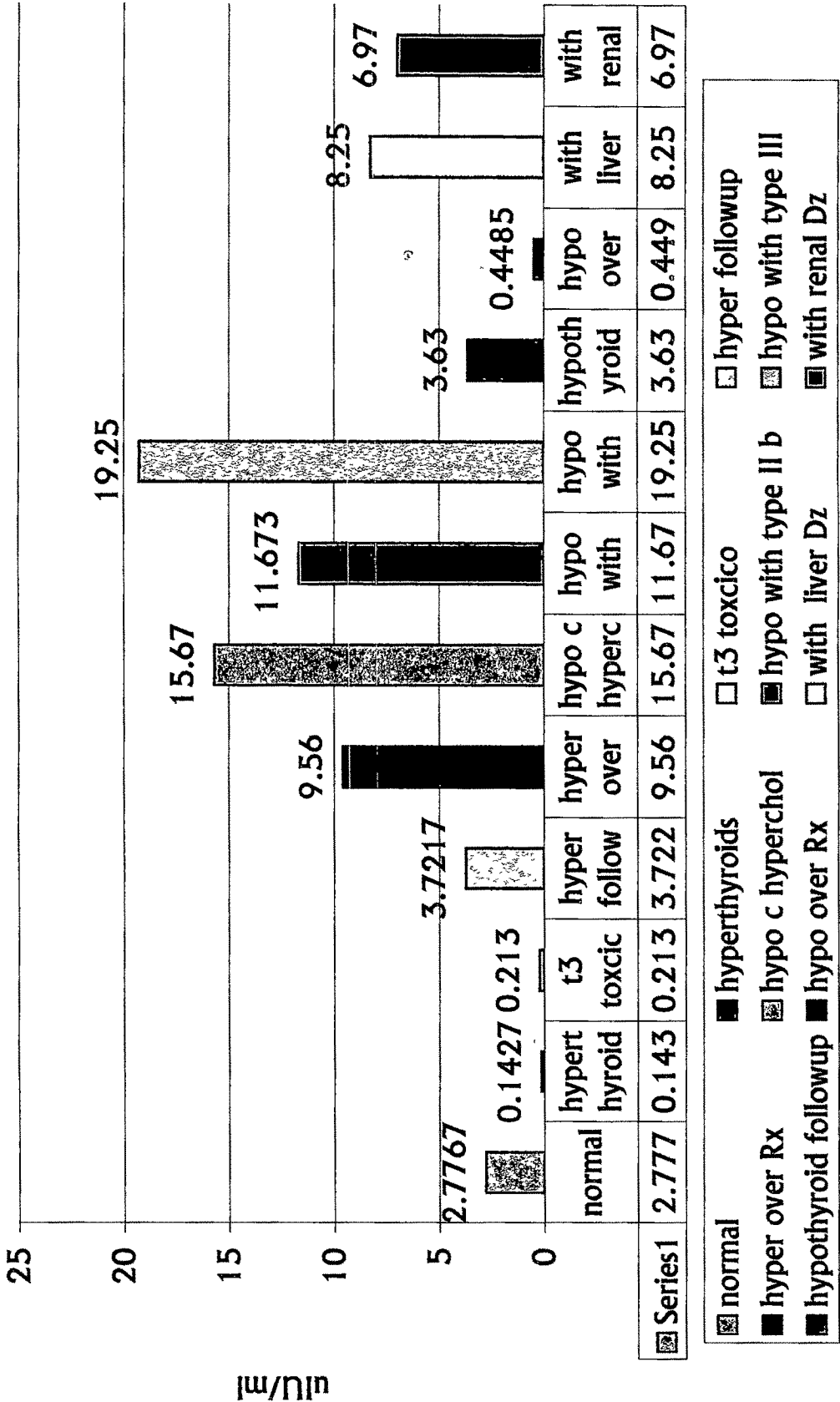
GRP-X:THYROID DISORDER SECONDARY TO LIVER DISEASE

Sr. No.	Redg. Number	Age Yrs.	Sex	TSH uIU/ml	T3 ng/ml	T4 ug/dl	TG mg/dl	VLDL mg/dl	LDL mg/dl	HDL mg/dl	Chol mg/dl	Na meq/L	K meq/L	LDH IU/L	AST IU/L
1	11345	48	F	16	0.2	3.25	158	31.6	205.8	32	269.4	126	3.3	482	54.2
2	128764	48	M	8.2	0.8	4.1	171	34.2	185.8	38	258	130	3.4	476	48.1
3	14366	28	F	10.1	0.86	8.7	196	39.2	195.8	48	283	128	3.6	462	46.4
4	14385	29	M	11.6	0.7	4.2	212	42.4	185.6	41	269	134	3.3	459	48.2
5	15350	40	F	9.4	1	8	173	34.6	193.4	45	273	135	3.2	471	49.6
6	16432	38	F	8.1	1.3	7	182	36.4	199.6	33	269	134	3.4	458	47.2
7	16638	42	F	7	0.8	9	168	33.6	157.4	35	226	132	3.3	464	38.6
8	STAFF	28	F	8.6	0.6	5	173	34.6	220.4	31	286	131	3.2	482	32.4
9	STAFF	39	F	7.3	0.7	4.6	182	36.4	188.6	36	261	136	3.1	396	35.6
10	61018	30	F	6.8	0.4	4.2	171	34.2	169.8	34	238	134	3	410	38.1
11	62540	40	F	5.4	0.3	5.1	142	28.4	154.6	33	216	138	3.5	476	39.2
12	354546	38	F	8.2	0.8	7.2	191	38.2	197.8	32	268	131	3.4	373	48.6
13	WD1x2	30	F	7.6	0.9	4.8	176	35.2	204.8	36	276	130	3.2	394	44.2
14	102248	34	F	8.1	1	4.2	165	33	210	38	281	126	3.3	482	41.6
15	100839	38	F	7.4	1.2	10.1	145	29	178	39	246	128	3.1	426	48.2
16	253339	35	F	6.2	1.1	8.6	143	28.6	182.4	42	253	127	3	438	38.6
17	333641	42	F	7	0.2	4.8	126	25.2	196.8	45	267	135	3.4	382	39.1
18	96324	48	F	6.8	0.1	6.6	110	22	190	36	248	134	3.5	376	44.2
19	96633	40	F	7.2	0.6	5.9	182	36.2	202.6	32	271	133	3.1	362	46.5
20	346541	38	F	8	0.7	4.1	178	35.6	209.8	37	282	134	3.2	418	37.6
	MIN	28		5.4	0.1	3.25	110	22	154.6	31	216	126	3	362	32.4
	MAX	48		16	1.3	10.1	212	42.4	220.4	48	286	138	3.6	482	49.6
	MEAN	37.65		8.25	0.713	5.973	167.2	33.43	191.5	37.15	262	131.8	3.28	434	42.737
	SD	6.39305		2.28	0.338	2.024	24.196	4.833	17.03	4.891	19.09	3.473	0.17	42.1	5.2103

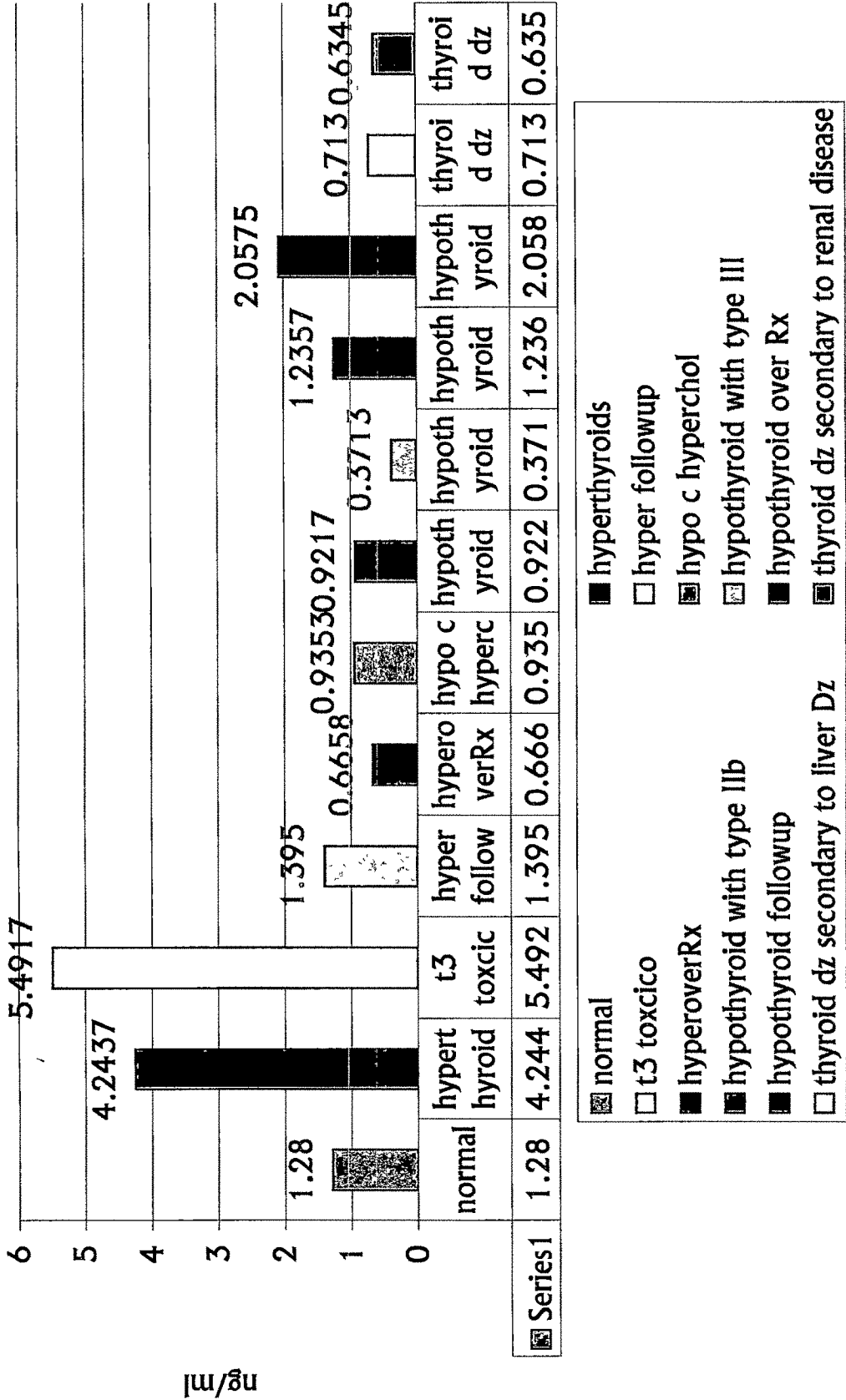
GRP-XI:THYROID DISORDER SECONDARY TO RENAL DISEASE

Sr. No.	Redg. Number	Age Yrs.	Sex	TSH uIU/ml	T3 ng/ml	T4 ug/dl	TG mg/dl	VLDL mg/dl	LDL mg/dl	HDL mg/dl	Chol mg/dl	Na meq/L	K meq/L	LDH IU/L	AST IU/L
1	11312	46	F	1	0.92	11	152	30.4	169.6	48	248	176	3.3	462	46.2
2	16271	43	F	4.9	0.71	4.6	148	29.6	187.4	36	253	162	3.4	458	48
3	10301	44	F	7	0.6	6.4	168	33.6	206.4	91	281	158	3.2	510	56.8
4	255972	55	F	6.2	0.8	7	123	24.6	133.4	38	196	150	3	482	41.2
5	253068	58	F	6.8	0.4	8.2	162	32.4	91.6	32	156	148	3.5	462	38.6
6	853379	65	F	7.2	0.35	4.6	160	32	80	31	143	162	3.6	438	34.2
7	62792	23	M	8.1	0.5	9.6	148	29.6	133.4	30	193	153	3.4	496	39.6
8	103051	30	M	7.1	0.67	5.1	132	26.4	151.6	32	210	149	3.3	526	42.6
9	100579	32	M	6.6	0.8	9	173	34.6	155.4	33	223	156	3.2	428	45.2
10	102415	34	M	7.8	0.76	6.2	184	36.8	206.2	37	280	161	3.7	456	66.6
11	97520	40	F	7.3	0.5	4.9	153	30.6	193.4	39	263	168	3.1	443	47.4
12	111372	41	F	7.8	0.83	10	161	32.2	185.8	40	258	165	3.2	493	35.2
13	283026	42	F	7.9	0.7	4.2	172	34.4	196.6	42	273	170	3.6	382	58.1
14	853380	43	F	7.1	0.6	5	162	32.4	228.6	35	296	164	3.3	364	40.6
15	OPD	45	F	7.8	0.5	7.4	153	30.6	219.4	34	284	153	3.4	396	42.6
16	228149	48	F	6.9	0.3	4.1	143	28.6	206.4	38	273	157	3.5	410	44.8
17	92559	55	F	9.6	0.6	3.6	182	36.4	220.6	39	296	155	3.2	482	36.6
18	93924	20	M	8.3	0.8	8	196	39.2	193.8	40	273	150	3	496	39.4
19	99546	48	M	6.8	0.75	5.2	146	29.2	190.8	42	262	151	3.2	416	32.6
20	OPD	56	M	7.2	0.6	6.1	153	30.6	217.4	34	282	146	3.3	450	58.6
MIN		20	0	1	0.3	3.6	123	24.6	80	30	143	146	3	364	32.6
MAX		65	0	9.6	0.92	11	196	39.2	228.6	91	296	176	3.7	526	66.6
MEAN		43.4		6.97	0.635	6.51	158.6	31.71	178.39	39.55	247.15	157.7	3.32	452.5	44.745
SD		11.6		1.684	0.17	2.176	17.53	3.5055	42.001	12.89	45.228	8.138	0.194	43.61	9.0645

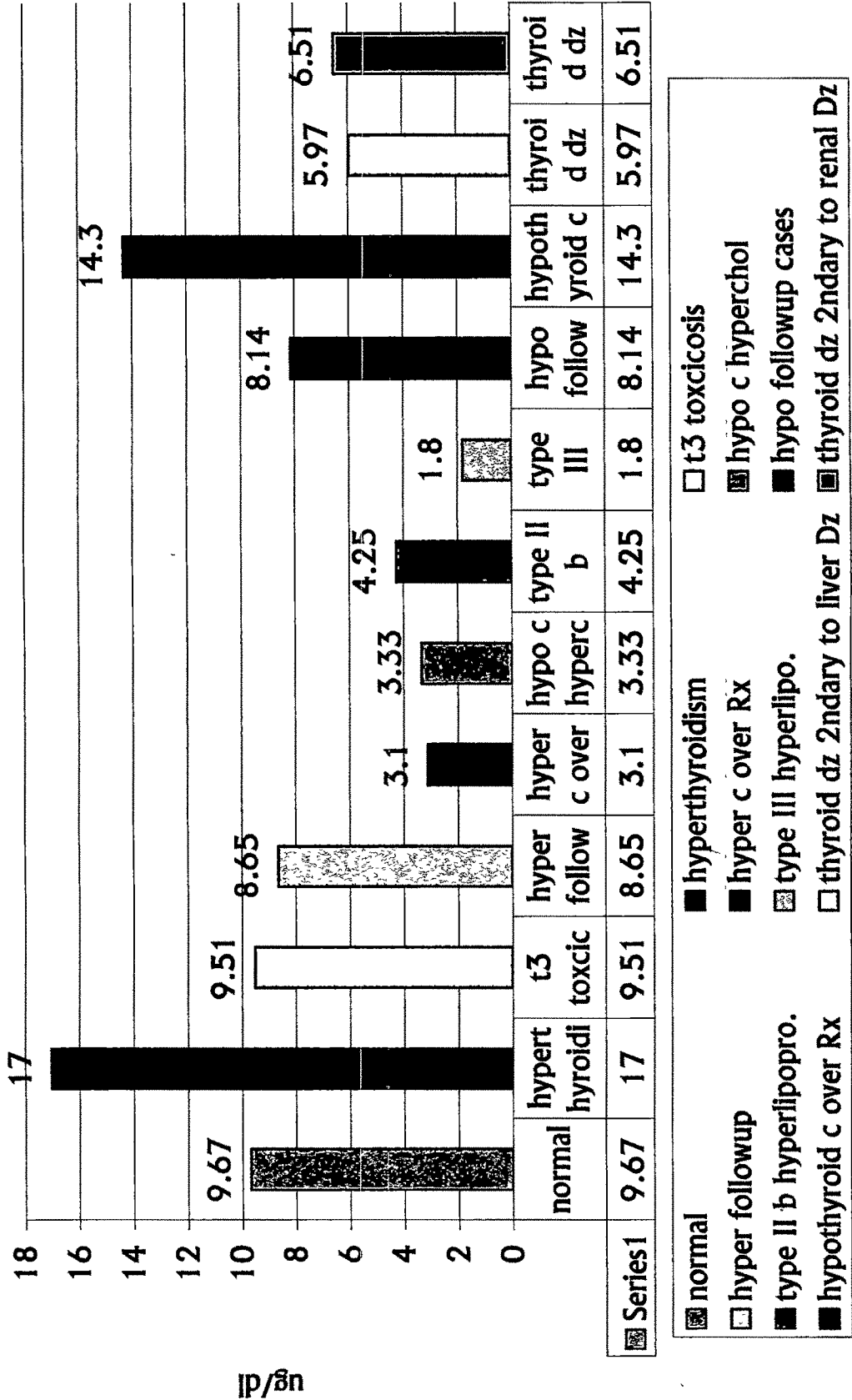
MEAN TSH VALUES IN DIFFERENT GROUPS



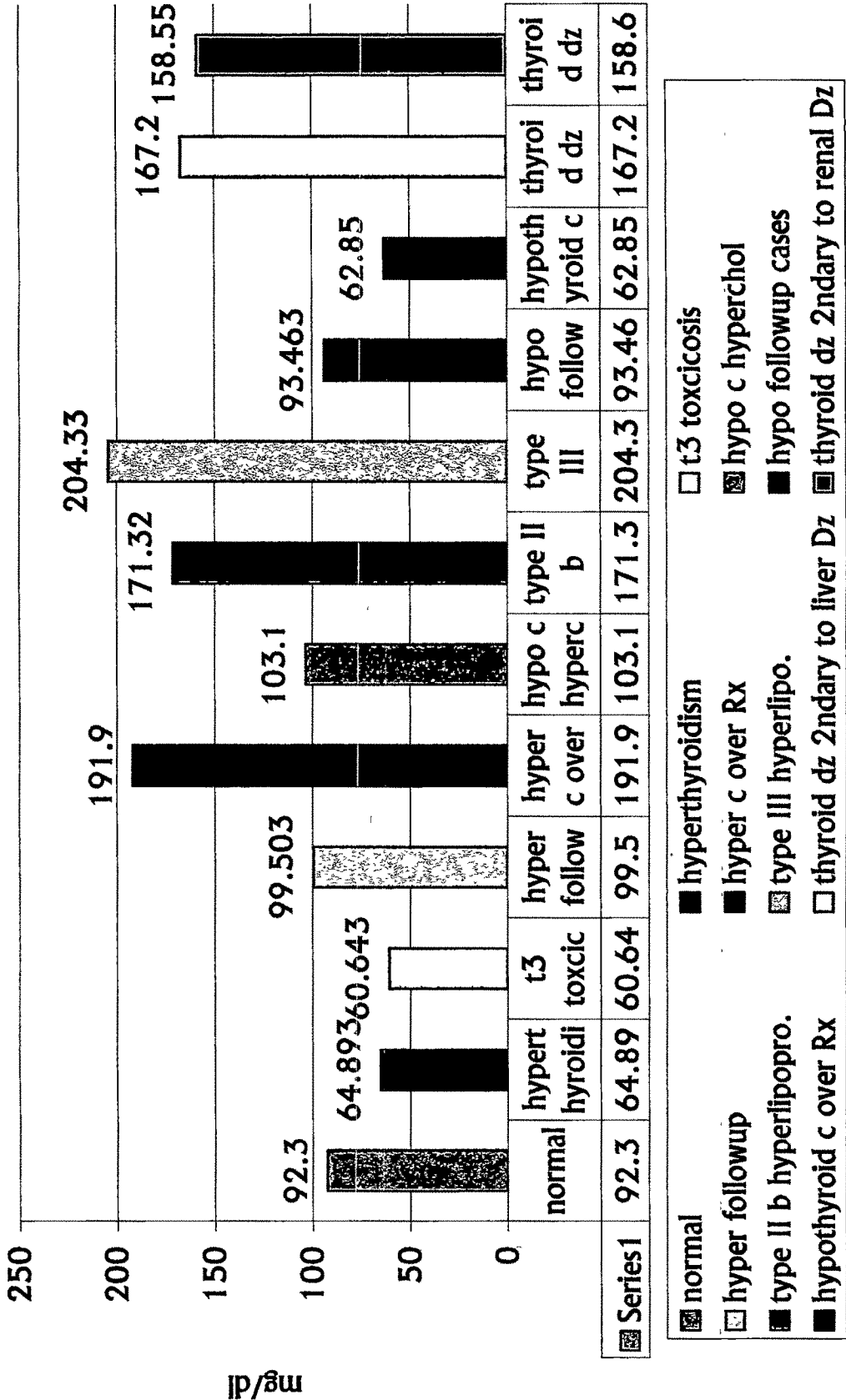
MEAN T3 LEVELS IN DIFFERENT GROUPS



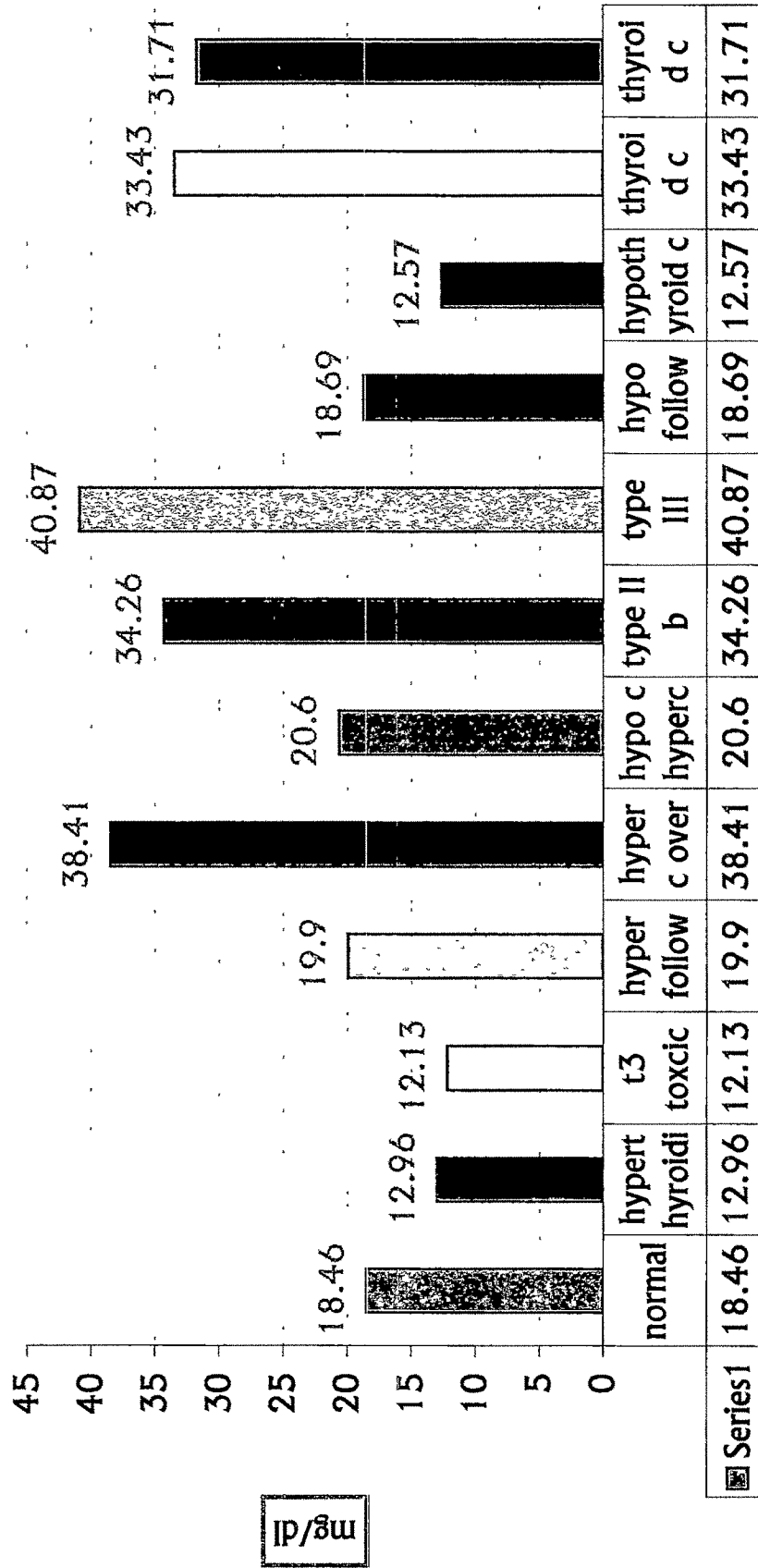
MEAN T4 LEVELS IN VARIOUS GROUPS



MEAN TRIGLYCERIDE VALUES IN VARIOUS GROUPS

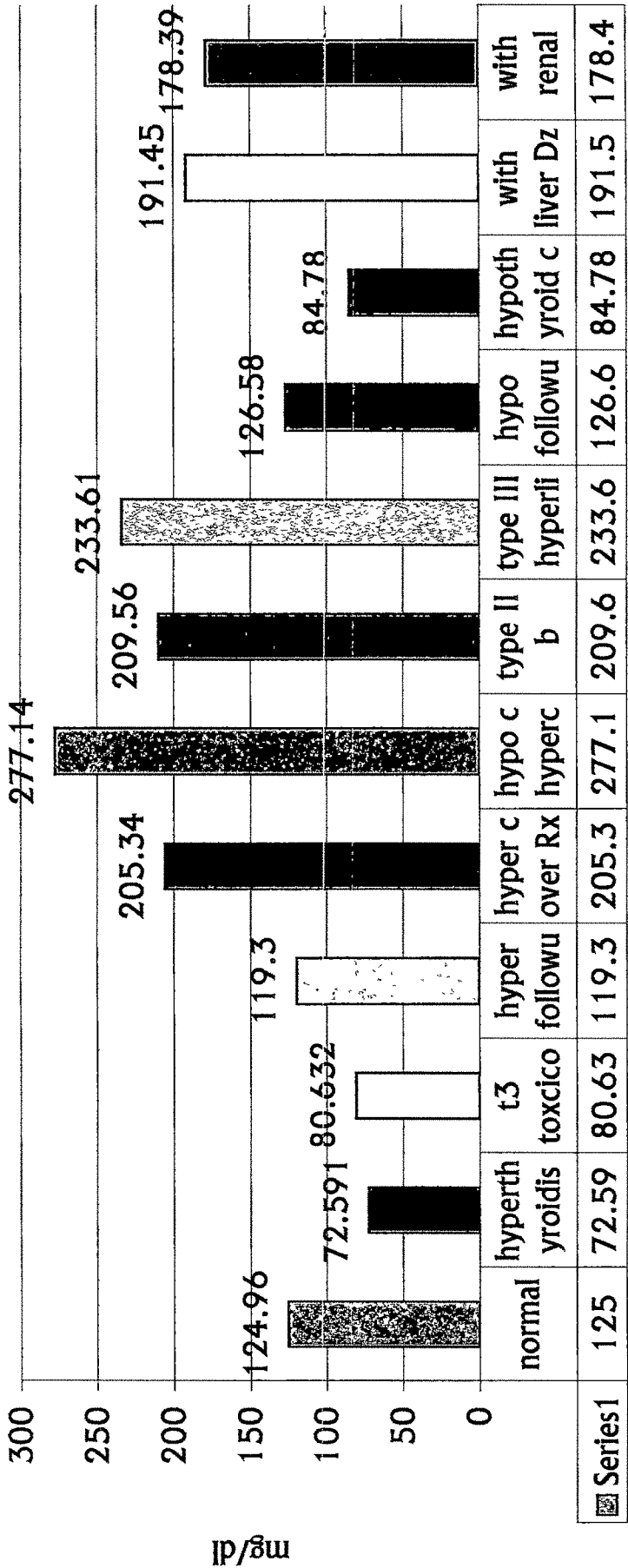


MEAN VLDL VALUES IN VARIOUS GROUPS



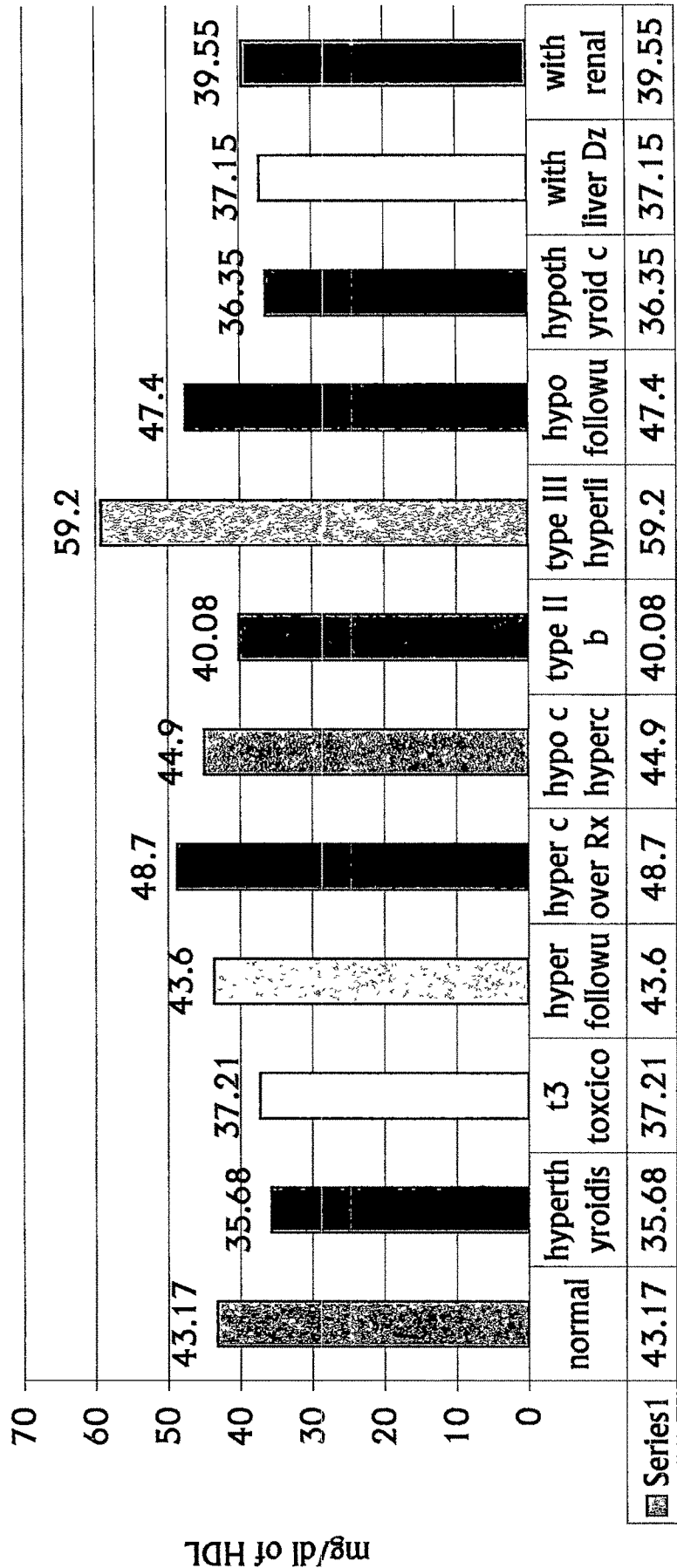
normal	hyperthyroidism	t3 toxicosis	hyper followup
hyper c over Rx	hypo c hyperchol	type II b hyperlipopro.	type III hyperlipo.
hypo followup cases	hypothyroid c over Rx	thyroid c liver Dz	thyroid c renal Dz

MEAN LDL VALUES IN DIFFERENT GROUPS



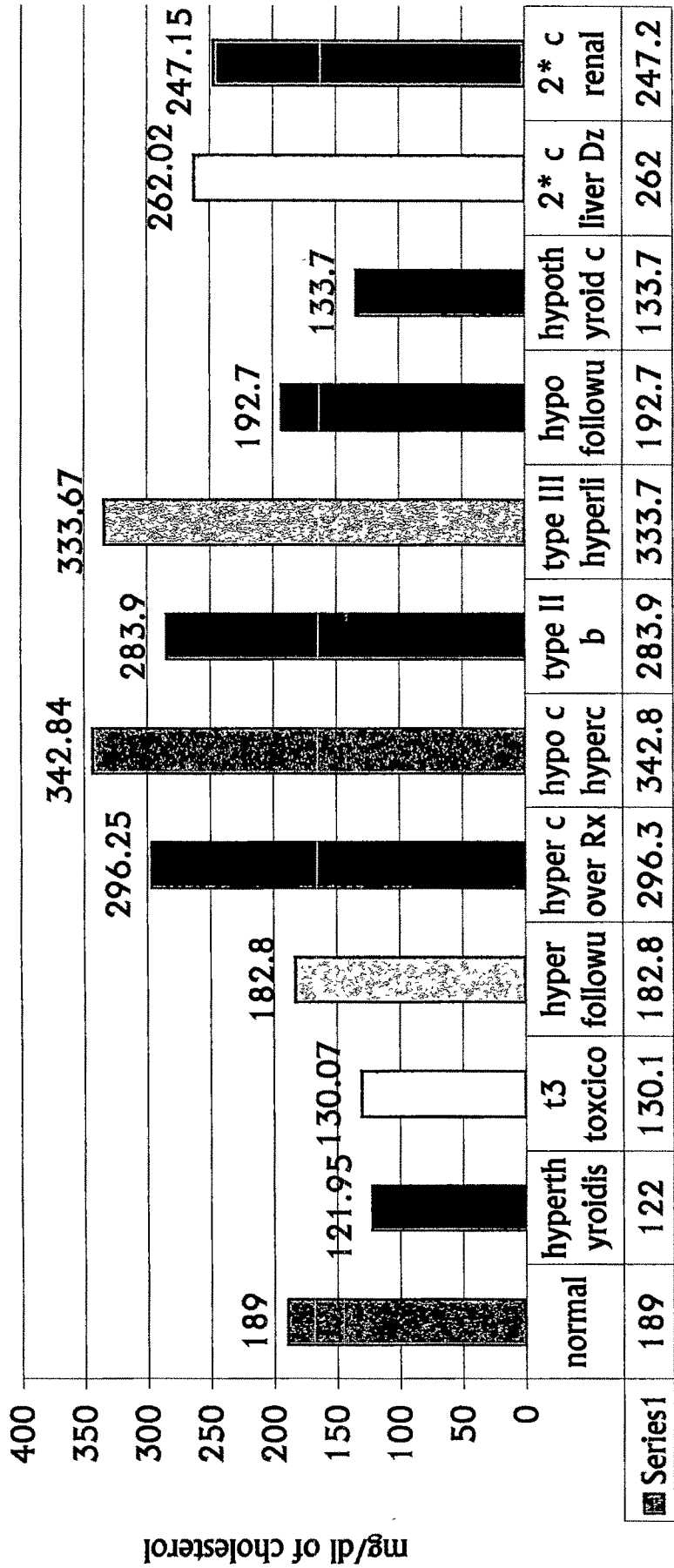
normal	hyperthyroidism	t3 toxicosis	hyper followup
hyper c over Rx	hypo c hyperchol	type II b hyperlipopro.	type III hyperlipopo.
hypo followup cases	hypothyroid c over Rx	with liver Dz	with renal Dz

MEAN HDL VALUES IN VARIOUS GROUPS



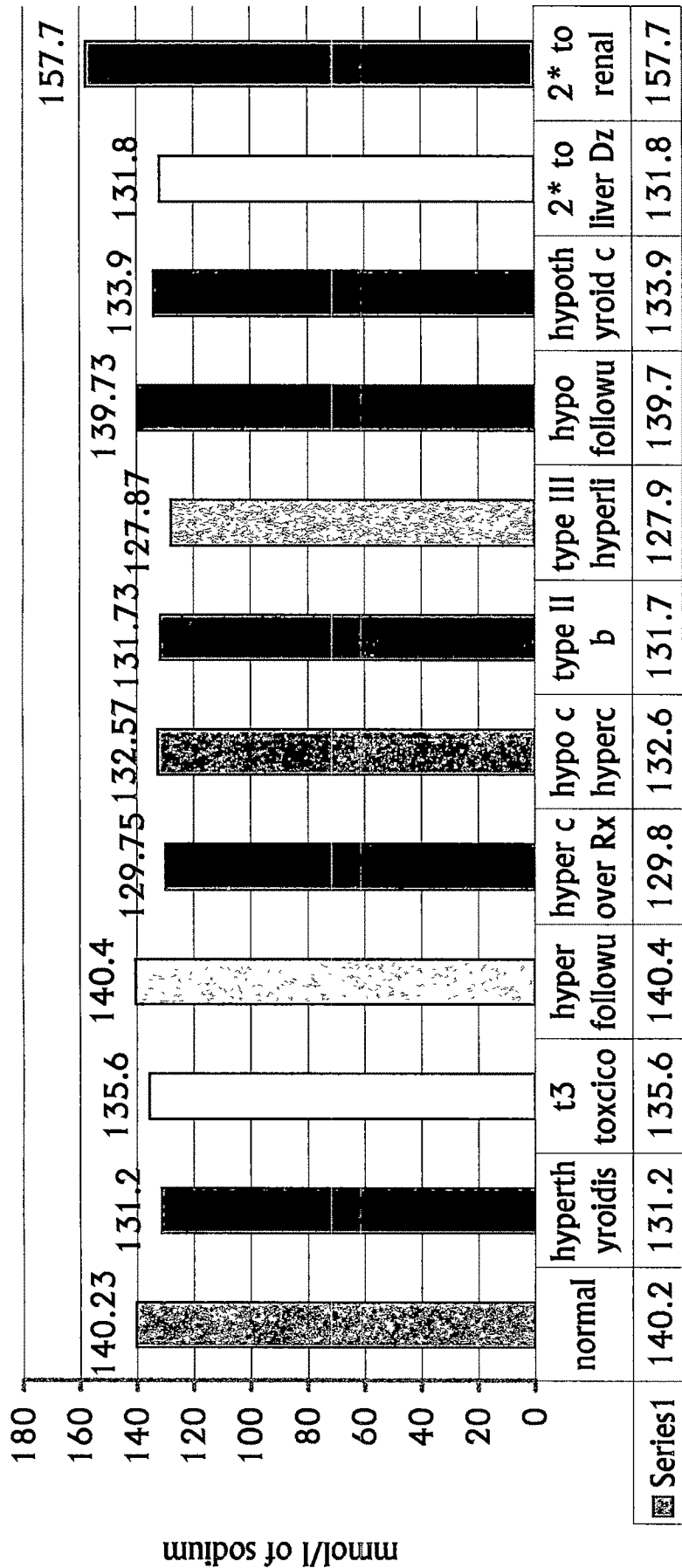
normal	hyperthyroidism	t3 toxicosis	hyper followup
hyper c over Rx	hypo c hyperchol	type II b hyperlipopro.	type III hyperlipo.
hypo followup cases	hypothyroid c over Rx	with liver Dz	with renal Dz

MEAN CHOLESTEROL LEVELS IN VARIOUS GROUPS



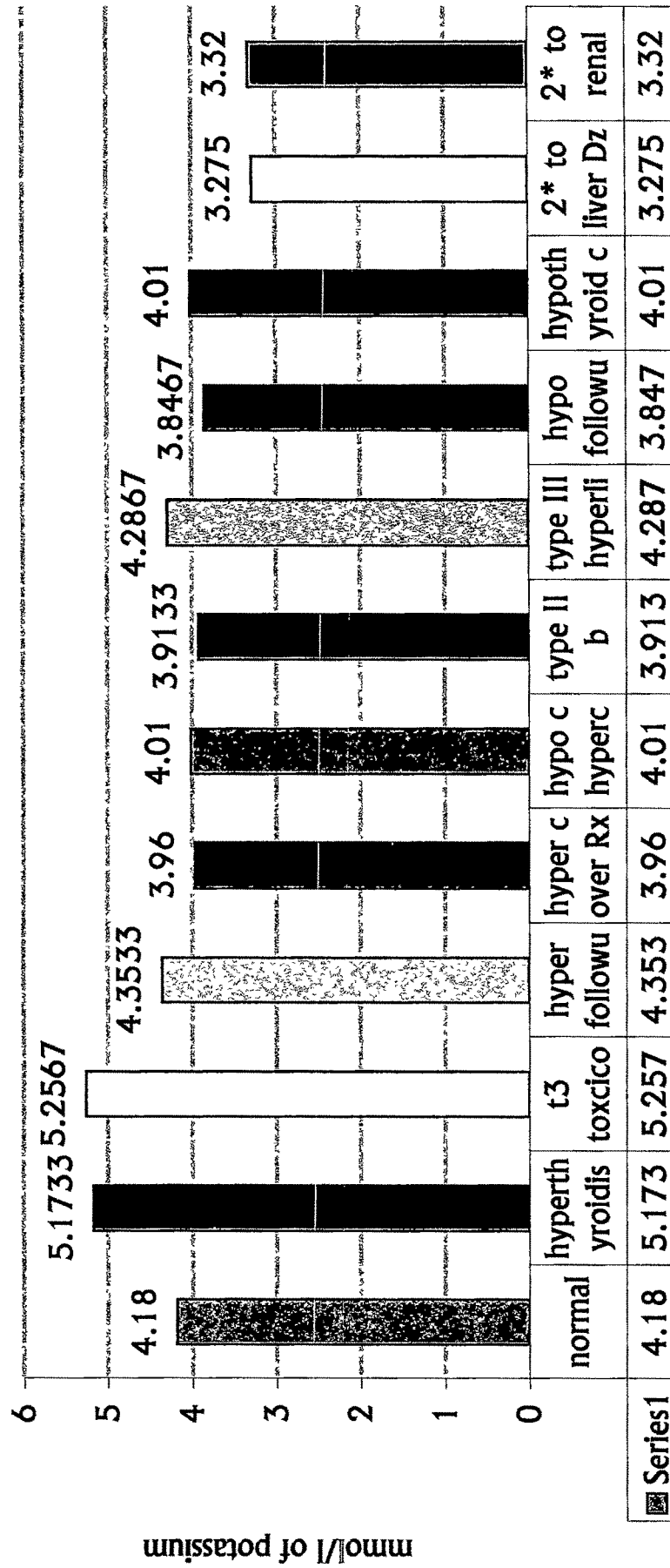
■ normal ■ hyperthyroidism □ t3 toxicosis □ hyper followup
 ■ hyper c over Rx ■ hypo c hyperchol ■ type II b hyperlipopro. ■ type III hyperli.
 ■ hypo followup cases ■ hypothyroid c over Rx □ 2* c liver Dz ■ 2* c renal Dz

MEAN SODIUM LEVELS



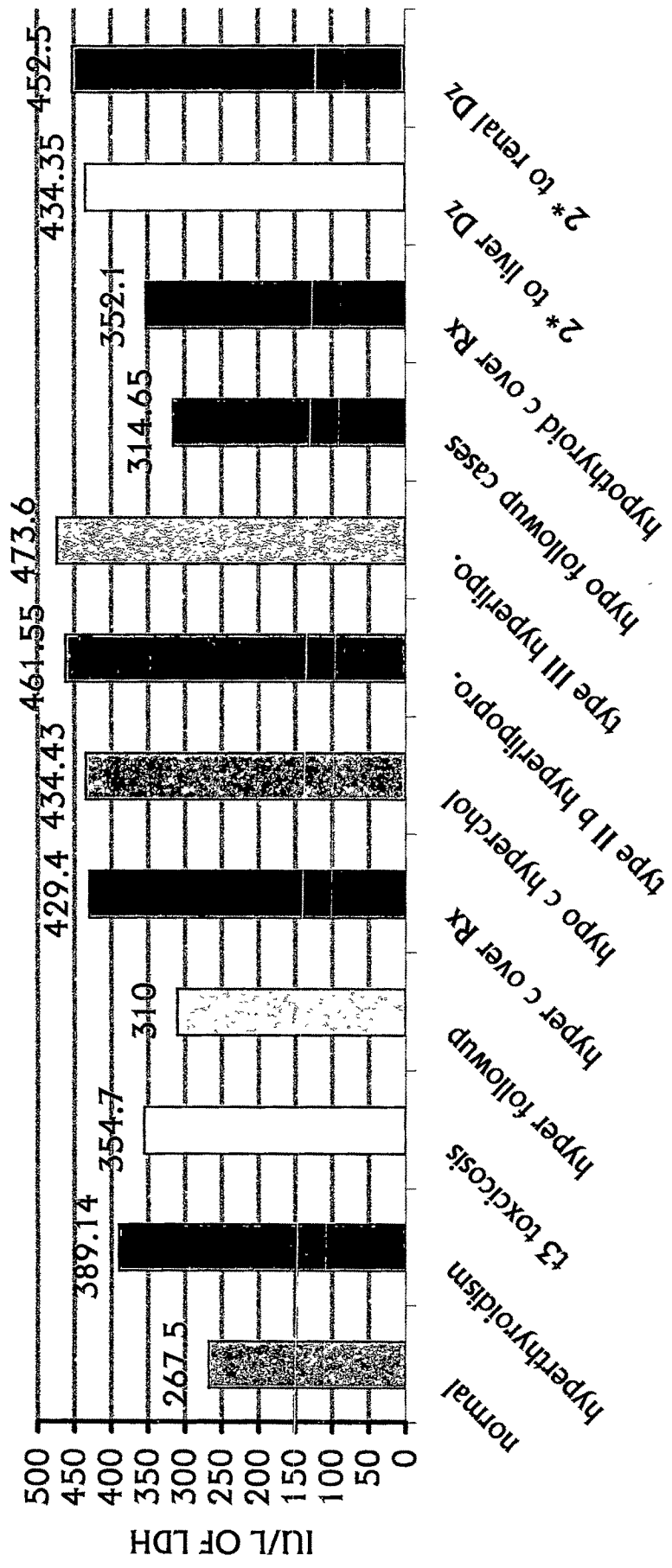
■ normal	■ hyperthyroidism	□ t3 toxicosis	□ hyper followup
■ hyper c over Rx	■ hypo c hyperchol	■ type II b hyperlipopro.	■ type III hyperlipopro.
■ hypo followup cases	■ hypothyroid c over Rx	□ 2* to liver Dz	■ 2* to renal Dz

MEAN POTASSIUM LEVELS



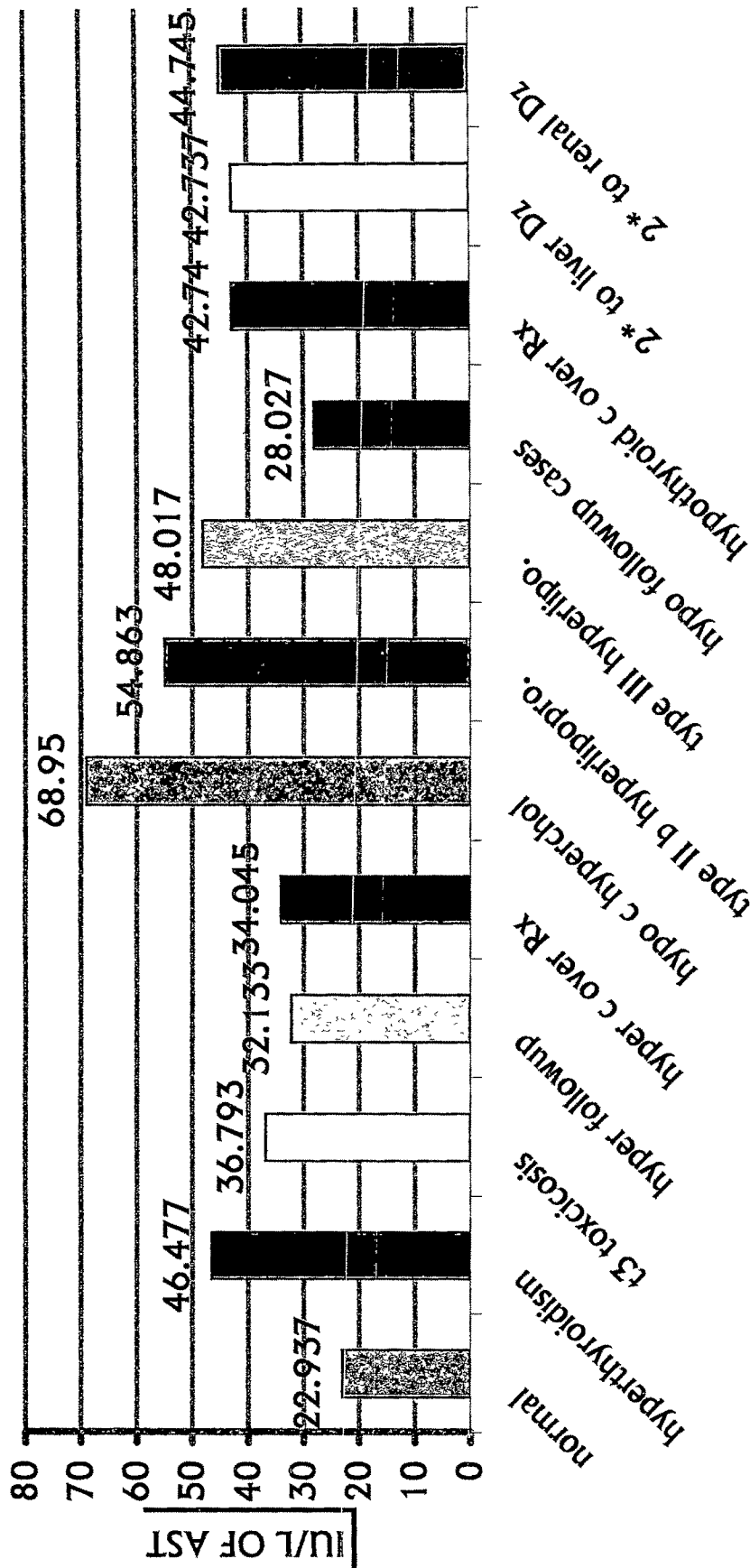
☒ normal	☒ hyperthyroidism	☐ t3 toxicosis	☐ hyper followup
☒ hyper c over Rx	☒ hypo c hyperchol	☒ type II b hyperlipopro.	☒ type III hyperlipo.
☒ hypo followup cases	☒ hypothyroid c over Rx	☐ 2* to liver Dz	☒ 2* to renal Dz

MEAN LDH LEVELS IN VARIOUS GROUPS



- normal
- hyper c over Rx
- hyperthyroidism
- hyper followup
- hyper c hyperchol
- hyperthyroidism
- t3 toxicosis
- hyper followup
- hypo c hyperchol
- hypo c over Rx
- type II b hyperlipopro.
- type III hyperlipo.
- hypo followup cases
- hypothyroid c over Rx
- 2* to liver Dz
- 2* to renal Dz
- hyper followup

MEAN AST LEVELS IN VARIOUS GROUPS



- normal
- hyper c over Rx
- hypo followup cases
- hyperthyroidism
- hypo c hyperchol
- hypothyroid c over Rx
- t3 toxicosis
- hyper followup
- hyper c over Rx
- type II b hyperlipopro.
- type III hyperlipopro.
- hypo followup cases
- hypothyroid c over Rx
- 2* to liver Dz
- 2* to renal Dz
- hyper followup
- type III hyperlipopro.
- 2* to renal Dz