

CHAPTER III

RESULTS

The mean value \pm S.D. and ranges of serum FABP concentrations in Thai male and female blood donors are shown in table 2 and 3, respectively. The frequency distribution of serum FABP level in 175 male and female blood donors is shown in figure 4. A mean value of serum FABP in 85 Thai male blood donors was found to be 30.59 ± 10.13 pg/ml (ranged from 12.00 to 57.38 pg/ml). The corresponding figure of serum FABP in 90 Thai female blood donors was found to be 30.91 ± 13.28 pg/ml (ranged from 12.13 to 72.63 pg/ml). There was no statistically difference between the values of Thai male and female blood donors. The mean value of serum FABP in 175 Thai normal was found to be 30.76 ± 11.82 pg/ml.

Table 2. The serum FABP level in 85 male blood donors

Serum No.	Hb gm %	Het %	FABP	
			% ³ H PGA bound/0.4 ml	³ H PGA bound/ml (pg/ml)
1	15.2	43.5	2.26	28.25
2	14.0	40.0	2.36	29.63
3	13.2	38.0	2.03	25.38
4	13.6	39.0	3.23	40.38
5	14.4	41.0	2.31	28.88
6	15.2	43.0	2.31	28.88
7	14.7	42.0	0.96	12.00
8	14.7	42.0	1.57	19.63
9	15.6	45.0	2.35	29.38
10	12.9	37.0	3.55	44.38
11	14.0	44.0	2.18	27.25
12	14.0	40.0	2.12	26.50
13	15.6	45.0	2.10	26.25
14	15.6	45.0	2.70	33.75
15	17.4	50.0	2.35	29.38
16	14.4	41.0	2.96	37.0
17	12.9	37.0	2.26	28.25
18	16.9	51.2	3.53	44.13
19	13.2	38.0	1.47	18.38
20	14.0	40.0	2.26	28.25
21	14.7	42.0	1.86	23.25
22	16.0	46.0	2.34	29.25

Table 2 (Continued)

Serum No.	Hb gm %	Het %	FABP	
			% ^3H PGA bound/0.4 ml	^3H PGA bound/ml (pg/ml)
23	11.4	32.0	1.70	21.25
24	14.0	40.0	2.06	25.75
25	12.5	36.0	3.9	49.25
26	14.0	40.0	1.70	21.25
27	15.2	43.5	2.30	28.75
28	16.9	48.0	2.62	32.75
29	15.2	43.5	1.71	21.38
30	15.2	43.5	2.98	37.25
31	12.2	35.0	2.42	30.25
32	12.5	36.0	2.63	32.88
33	14.0	40.0	1.92	24.00
34	13.6	39.0	3.51	43.88
35	12.9	37.0	1.17	14.63
36	12.5	36.0	1.58	19.75
37	13.2	38.0	1.70	21.25
38	15.6	44.0	1.71	21.38
39	14.0	42.0	0.99	12.38
40	14.0	42.0	1.62	20.25
41	17.4	46.0	2.72	34.00
42	17.4	46.0	3.36	42.00
43	14.0	42.0	1.55	19.38
44	16.9	47.0	1.45	18.13

Table 2. (Continued)

Serum No.	Hb gm %	Het %	FABP	
			% ³ H PGA bound/0.4 ml	³ H PGA bound/ml (pg/ml)
45	14.7	40.0	3.21	40.13
46	16.0	47.5	2.48	31.0
47	16.7	46.0	4.38	54.75
48	16.0	47.5	2.61	32.63
49	16.0	43.0	3.08	38.50
50	14.0	47.0	1.51	18.88
51	16.0	44.0	3.42	42.75
52	15.2	41.0	2.61	32.63
53	14.7	42.5	3.70	46.25
54	16.3	46.0	1.31	16.38
55	16.5	45.5	2.94	36.75
56	15.2	43.5	3.22	40.25
57	14.0	42.0	2.02	25.25
58	16.0	46.5	2.23	27.88
59	15.6	47.5	2.47	30.88
60	15.2	47.5	2.04	38.00
61	14.3	41.5	1.18	14.75
62	16.0	46.0	2.38	29.75
63	16.0	46.0	2.10	26.25
64	15.6	46.5	4.01	50.13
65	16.0	45.5	3.48	43.50

Table 2. (Continued)

Serum No.	Hb gm %	Het %	FABP	
			% ^3H PGA bound/0.4 ml	^3H PGA bound/ml (pg/ml)
66	14.7	44.5	2.87	35.88
67	12.9	40.5	3.22	40.25
68	17.4	46.0	3.73	46.63
69	15.6	42.5	4.59	57.38
70	17.4	45.5	2.18	27.25
71	16.0	44.5	1.54	19.25
72	16.0	46.0	2.65	33.13
73	14.2	41.0	2.72	34.00
74	15.0	43.5	2.78	34.75
75	16.0	46.5	1.75	21.88
76	15.8	45.0	1.31	16.38
77	14.2	41.0	1.25	15.63
78	14.0	44.0	2.32	29.00
79	14.7	46.0	2.04	25.50
80	15.6	45.0	2.46	30.75
81	16.0	47.0	2.32	29.0
82	14.7	45.0	2.55	31.88
83	14.4	44.0	2.09	26.13
84	15.6	45.0	3.88	48.50
85	13.6	39.0	3.97	49.63
Range			0.96 - 4.59	12.00 - 57.38
Mean			2.44	30.59
S.D.			0.82	10.13

Table 3. The serum FABP level in 90 female blood donors.

Serum No.	Hb gm %	Het %	FABP	
			% ³ H PGA bound/0.4 ml	³ H PGA bound/ml (pg/ml)
1	12.5	36.0	3.92	49.02
2	12.5	36.0	4.97	62.13
3	12.1	34.0	3.13	39.13
4	11.9	34.0	3.20	40.00
5	16.0	46.0	3.16	39.47
6	14.0	42.0	1.61	20.13
7	14.0	42.0	2.27	28.38
8	14.0	40.0	1.40	17.50
9	13.4	38.0	1.36	17.00
10	13.2	40.0	1.96	24.50
11	13.2	40.0	1.78	22.25
12	12.9	36.0	1.69	21.13
13	12.9	38.0	1.29	16.13
14	13.5	38.0	2.59	32.38
15	14.7	42.0	1.96	24.50
16	14.6	42.0	1.82	22.75
17	14.4	39.0	1.86	23.25
18	13.6	40.0	2.60	32.50
19	15.6	41.0	2.18	27.25
20	14.4	40.0	2.81	35.13

Table 3 (Continued)

Serum No.	Hb gm %	Het %	FABP	
			% ^3H PGA bound/0.4 ml	^3H PGA bound/ml (pg/ml)
21	14.3	40.0	3.81	47.63
22	14.4	38.0	1.47	18.38
23	13.2	38.0	1.29	16.13
24	15.6	42.0	1.61	20.13
25	14.0	40.0	2.22	27.75
26	12.9	36.0	3.15	39.38
27	12.5	35.0	2.61	32.63
28.	12.5	35.0	1.25	15.63
29	13.9	40.0	1.13	14.13
30	15.2	42.0	1.47	18.38
31	13.6	40.0	1.45	18.13
32	14.0	41.0	1.86	23.25
33	14.0	38.0	2.59	32.38
34	13.2	34.0	1.01	12.63
35	13.6	40.0	1.32	16.50
36	13.3	39.0	1.28	16.00
37	12.8	37.0	1.74	21.75
38	13.1	38.0	1.77	22.13
39	14.5	40.0	1.68	21.00
40	14.4	38.0	0.97	12.13

Table 3 (Continued)

Serum No.	Hb gm %	Het %	FABP	
			% ^3H PGA bound/0.4 ml	^3H PGA bound/ml (pg/ml)
41	14.0	40.0	2.07	25.88
42	12.9	38.0	1.98	24.75
43	13.2	38.0	2.86	35.75
44	14.0	36.0	1.46	18.25
45	15.2	40.0	2.22	27.75
46	11.6	33.0	1.45	18.13
47	12.5	35.0	2.26	28.25
48	12.9	36.0	1.23	15.38
49	13.2	33.0	4.66	58.25
50	13.2	39.0	1.24	15.50
51	14.0	42.0	1.14	14.25
52	14.0	40.0	4.87	60.88
53	12.9	36.5	1.50	18.75
54	13.2	38.5	2.31	28.88
55	13.2	39.0	2.15	26.88
56	12.9	38.0	4.48	56.00
57	12.5	36.0	3.84	48.00
58	12.9	39.0	2.75	34.38
59	12.5	36.5	3.78	47.25
60	12.2	37.0	1.54	19.25

Table 3 (Continued)

Serum No.	Hb gm %	Het %	FABP	
			% ³ H PGA bound/0.4 ml	³ H PGA bound/ml (pg/ml)
61	12.3	34.5	3.13	39.13
62	13.6	43.0	1.33	16.63
63	12.2	39.0	2.01	25.13
64	12.5	42.0	1.79	22.38
65	12.9	37.0	1.54	19.25
66	13.1	36.0	3.02	37.75
67	12.3	34.0	5.81	72.63
68	12.6	35.0	3.49	43.63
69	13.2	37.0	4.18	52.25
70	14.6	41.0	4.22	52.75
71	13.5	38.0	2.92	36.50
72	13.2	44.0	3.68	46.00
73	12.5	40.0	2.02	25.25
74	14.8	41.0	2.85	35.63
75	14.3	41.0	1.81	20.63
76	13.4	39.0	2.57	30.13
77	12.5	39.0	3.71	46.38
78	13.5	43.0	3.55	44.38
79	13.6	41.0	3.45	43.13
80	13.8	40.0	2.39	29.75

Table 3 (Continued)

Serum No.	Hb gm %	Het %	FABP	
			% ^3H PGA bound/0.4 ml	^3H PGA bound/ml (pg/ml)
81	14.2	40.0	3.34	41.75
82	14.5	40.0	2.40	30.00
83	13.7	40.0	2.74	34.25
84	15.1	43.0	2.87	35.88
85	13.6	39.0	2.60	32.50
86	12.9	37.0	4.04	50.50
87	14.3	40.0	3.85	48.13
88	14.8	43.0	3.16	39.50
89	16.5	47.0	1.55	19.38
90	13.2	39.0	3.53	44.13
Range			0.97 - 4.97	12.13 - 72.63
Mean			2.47	30.91
S.D.			1.06	13.28

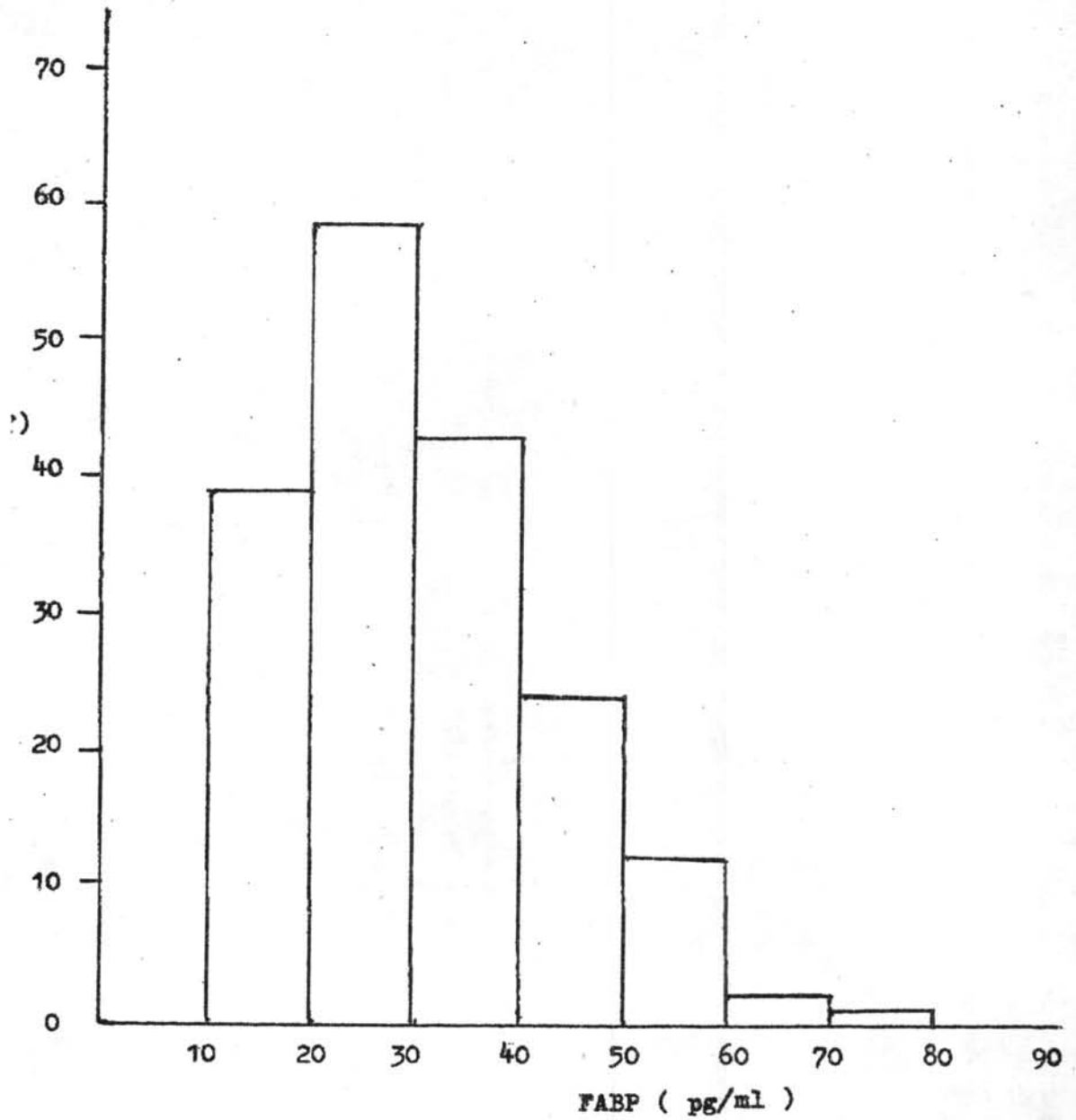



FIGURE 4. Frequency Distribution of FABP Level in 175 Thai Blood Donors.



A mean value \pm S.D. of serum FABP level in 45 patients with malaria was found to be 174.40 ± 88.20 pg/ml (ranged from 50.00 to 385.25 pg/ml) as shown in table 4. This value was statistically significantly higher ($P < 0.01$) than that of the blood donor sera.

Table 4. The serum FABP level in 45 patients with malaria

Serum No.	Sex	Hb gm %	Het %	WBC cell/mm ³	FABP	
					% ³ H PGA bound/ 0.4 ml	³ H PGA bound/ml (pg/ml)
1	F	8.6	25.0	5,876	6.60	82.50
2	M	13.0	39.0	6,479	20.00	250.00
3	M	12.6	37.0	6,307	17.68	221.00
4	F	12.2	33.0	7,570	7.80	97.50
5	M	12.2	36.0	7,693	23.96	299.50
6	M	7.4	22.0	4,925	24.53	306.63
7	M	13.0	40.0	6,944	4.90	61.25
8	F	9.2	28.0	8,664	6.19	77.38
9	F	9.5	30.0	7,047	9.09	113.63
10	M	14.0	42.0	5,767	16.45	205.63
11	M	14.2	42.0	10,607	6.43	80.38
12	F	9.8	29.0	6,304	30.82	385.25
13	M	12.8	36.0	5,998	30.54	381.75
14	F	13.0	39.0	2,746	9.90	123.75
15	M	10.8	32.0	6,099	8.60	107.50
16	M	13.0	38.0	5,644	16.60	207.50

Table 4. (Continued)

Serum No.	Sex	Hb gm %	Het %	WBC cell/mm ³	FABP	
					% ³ H PGA bound/ 0.4 ml	³ H PGA bound/ml (pg/ml)
17	M	13.0	38.0	5,724	7.75	96.88
18	F	8.8	27.9	7,060	22.84	285.50
19	M	17.2	49.0	7,269	7.53	94.13
20	F	13.8	38.0	6,887	8.28	103.50
21	F	8.2	23.0	5,799	20.28	253.50
22	F	10.8	32.0	6,905	5.64	70.50
23	M	14.6	43.0	7,331	20.86	260.75
24	M	13.0	38.0	6,540	7.73	96.63
25	M	10.1	30.0	8,434	6.16	77.00
26	M	12.6	37.0	6,164	8.41	105.13
27	F	11.2	33.0	8,022	19.40	242.50
28	F	11.5	34.0	10,704	8.76	169.50
29	M	8.8	27.0	6,122	20.98	262.50
30	M	13.8	40.0	6,687	13.54	169.25
31	M	9.2	26.0	5,424	10.21	127.63
32	M	10.8	32.0	3,488	18.53	231.63
33	F	11.8	35.0	5,512	21.40	267.50
34	F	10.1	32.0	6,353	17.87	223.38
35	M	11.8	35.0	4,116	16.46	205.75
36	M	10.5	31.0	3,259	12.94	161.75

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Table 4 (Continued)

Serum No.	Sex	Hb gm %	Het %	WBC cell/mm ³	FABP	
					% ³ H PGA bound/ 0.4 ml	³ H PGA bound/ml (pg/ml)
37	M	10.8	32.0	8,262	14.89	186.13
38	M	10.1	24.0	7,411	13.62	170.50
39	M	8.6	24.0	21,750	26.91	336.38
40	M	12.6	36.0	8,841	10.51	131.38
41	M	10.1	32.0	9,048	4.00	50.00
42	F	9.5	29.0	4,111	23.15	289.38
43	M	13.0	39.0	8,285	11.49	143.63
44	M	6.9	23.0	6,340	10.64	133.00
45	F	8.6	28.0	7,254	5.73	71.63
Range					4.00 - 30.82	50.00 - 385.25
Mean					14.15	174.40
S.D.					7.29	88.20

The mean value \pm S.D. of serum FABP in 52 patients with pyrexia of unknown origin (PUO) was found to be 120.12 ± 93.29 pg/ml (ranged from 16.76 to 435.50 pg/ml) as shown in table 5. This value was significantly higher than ($P < 0.01$) that of the blood donor sera. There was no relationship between the WBC level and the serum FABP level in these patients ($r = 0.01$, $P > 0.05$) as shown in figure 5.

Table 5. The serum FABP level in 52 patients with pyrexia of unknown origin (PUO)

Serum No.	Sex	WBC cell/mm ³	FABP	
			% ³ H PGA bound/0.4 ml	³ H PGA bound/ml (pg/ml)
1	M	12,009	6.84	85.49
2	M	7,700	1.34	16.76
3	F	6,600	2.95	36.50
4	M	6,716	10.89	136.13
5	M	5,759	19.39	242.36
6	M	8,350	5.52	69.00
7	F	4,407	7.16	89.50
8	F	4,088	4.48	55.95
9	F	7,938	3.78	47.25
10	M	7,075	3.30	41.25
11	M	3,220	3.94	49.25
12	F	9,406	3.91	48.88
13	F	9,352	21.31	266.38
14	F	7,492	1.75	21.88

Table 5. (Continued)

Serum No.	Sex	WBC cell/mm ³	FABP	
			% ³ H PGA bound/0.4 ml	³ H PGA bound/ml (pg/ml)
15	F	11,870	12.51	156.38
16	M	3,369	7.20	90.00
17	F	4,901	1.37	117.13
18	M	6,395	12.90	161.25
19	M	10,550	2.45	30.63
20	F	7,399	2.41	30.13
21	F	3,797	4.86	60.75
22	M	6,469	18.75	234.38
23	M	8,712	13.73	171.63
24	M	4,300	20.20	252.50
25	M	13,257	21.40	267.50
26	M	1,500	18.72	284.00
27	F	8,045	8.59	107.38
28	M	9,550	8.89	120.50
29	F	4,104	18.75	234.38
30	M	3,750	14.74	184.25
31	M	1,900	11.12	139.00
32	M	7,053	8.53	44.13
33	F	13,689	34.82	435.50
34	F	3,697	8.27	103.38
35	M	2,680	3.38	42.25

Table 5. (Continued)

Serum No.	Sex	WBC cell/mm ³	FABP	
			% ³ H PGA bound/0.4 ml	³ H PGA bound/ml (pg/ml)
36	F	5,987	28.98	362.25
37	M	6,857	7.51	93.88
38	M	12,452	2.97	37.13
39	F	13,033	13.65	170.63
40	M	5,695	5.94	74.25
41	F	3,740	10.07	125.88
42	M	6,088	15.09	188.63
43	M	11,264	3.02	37.75
44	F	17,045	5.66	70.75
45	F	6,000	1.49	18.63
46	M	6,332	13.32	166.50
47	F	8,872	6.71	83.88
48	M	4,772	6.49	81.13
49	M	8,577	7.72	96.50
50	M	8,099	16.75	209.38
51	M	22,381	5.43	67.88
52	M	10,100	3.00	37.50
Range			1.34 - 34.82	16.76 - 435.50
Mean			9.60	120.12
S.D.			7.46	93.29

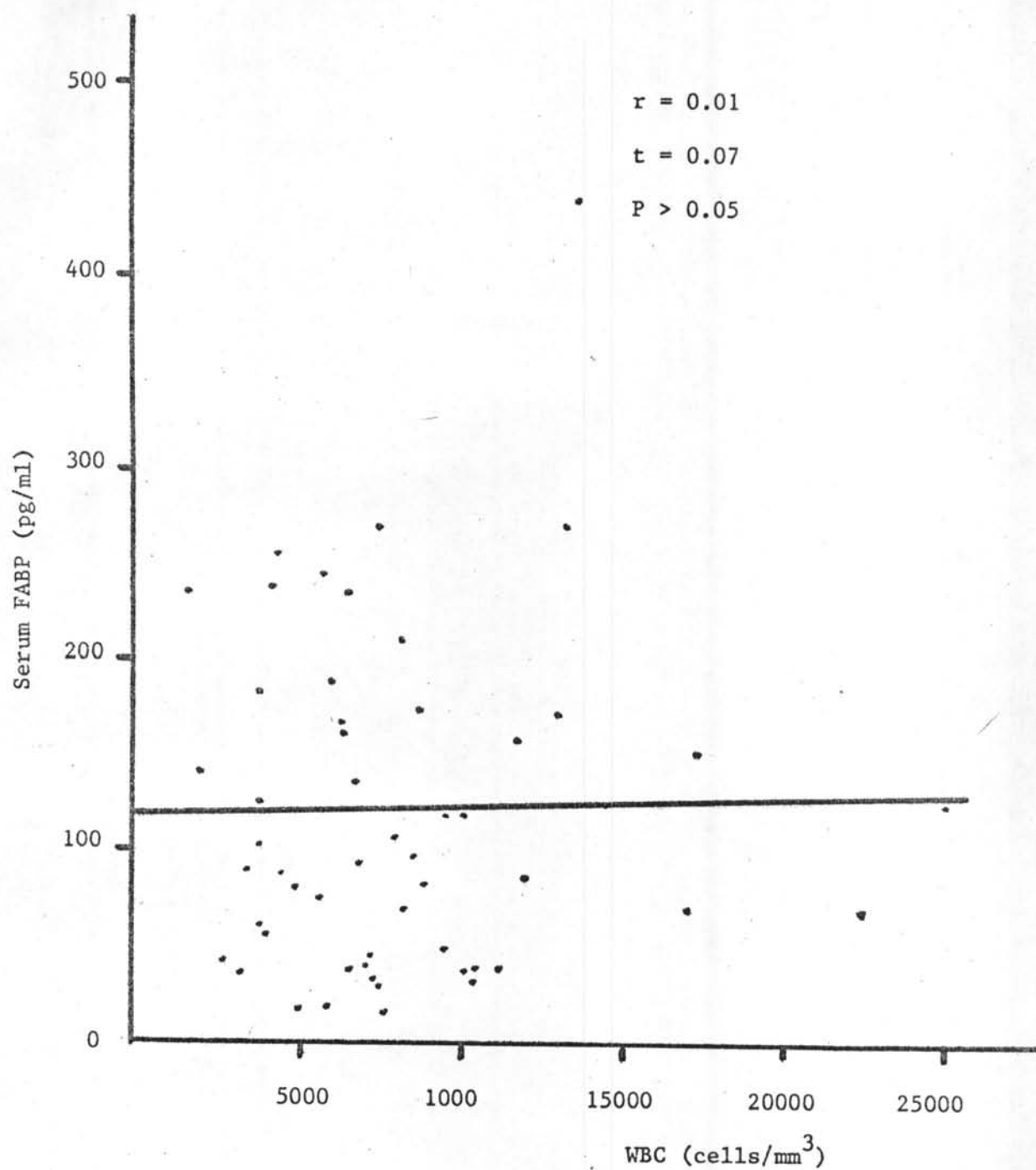


Figure 5. Correlation of WBC level with serum FABP level.

A mean value \pm S.D. of FABP in 23 patients with anemia was found to be 103.67 ± 93.50 pg/ml (ranged from 12.75 to 336.63 pg/ml) as shown in table 6. This value was significantly higher than ($P < 0.01$) that of the blood donor sera. There was no relationship between the hemoglobin level and the serum FABP level in these patients ($r = -0.03$, $P > 0.05$) as shown in figure 6.

Table 6. The serum FABP level in 23 patients with anemia

Serum No.	Sex	Hb gm %	Het %	FABP	
				% ^3H PGA bound/0.4 ml	^3H PGA bound/ml (pg/ml)
1	M	9.0	27.0	19.87	248.38
2	F	10.5	33.0	26.71	333.88
3	M	10.8	36.0	1.64	20.50
4	F	10.0	29.0	12.64	158.0
5	F	6.0	17.0	4.45	55.63
6	M	6.0	17.0	1.02	12.75
7	M	8.0	22.0	15.13	189.13
8	F	11.2	35.0	8.66	108.25
9	F	6.9	20.0	11.96	149.50
10	F	6.9	19.0	4.72	59.00
11	F	10.8	32.0	2.94	36.75
12	F	7.4	22.0	2.39	29.87
13	F	8.6	30.0	5.80	72.50
14	F	9.8	33.0	3.33	41.63
15	M	12.5	37.0	7.40	92.50

Table 6. (Continued)

Serum No.	Sex	Hb gm %	Het %	FABP	
				% ³ H PGA bound/0.4 ml	³ H PGA bound/ml (pg/ml)
16	F	11.5	34.0	8.15	101.88
17	M	9.4	28.0	4.00	50.00
18	M	11.3	34.0	3.80	47.5
19	M	8.0	24.0	4.10	25.0
20	F	7.3	22.0	7.90	98.8
21	M	5.4	10.2	5.78	72.25
22	M	5.0	15.0	26.93	336.63
23	F	6.0	18.0	1.13	14.13
Range				1.02 - 26.93	12.75 - 336.63
Mean				8.28	103.67
S.D.				7.49	93.50

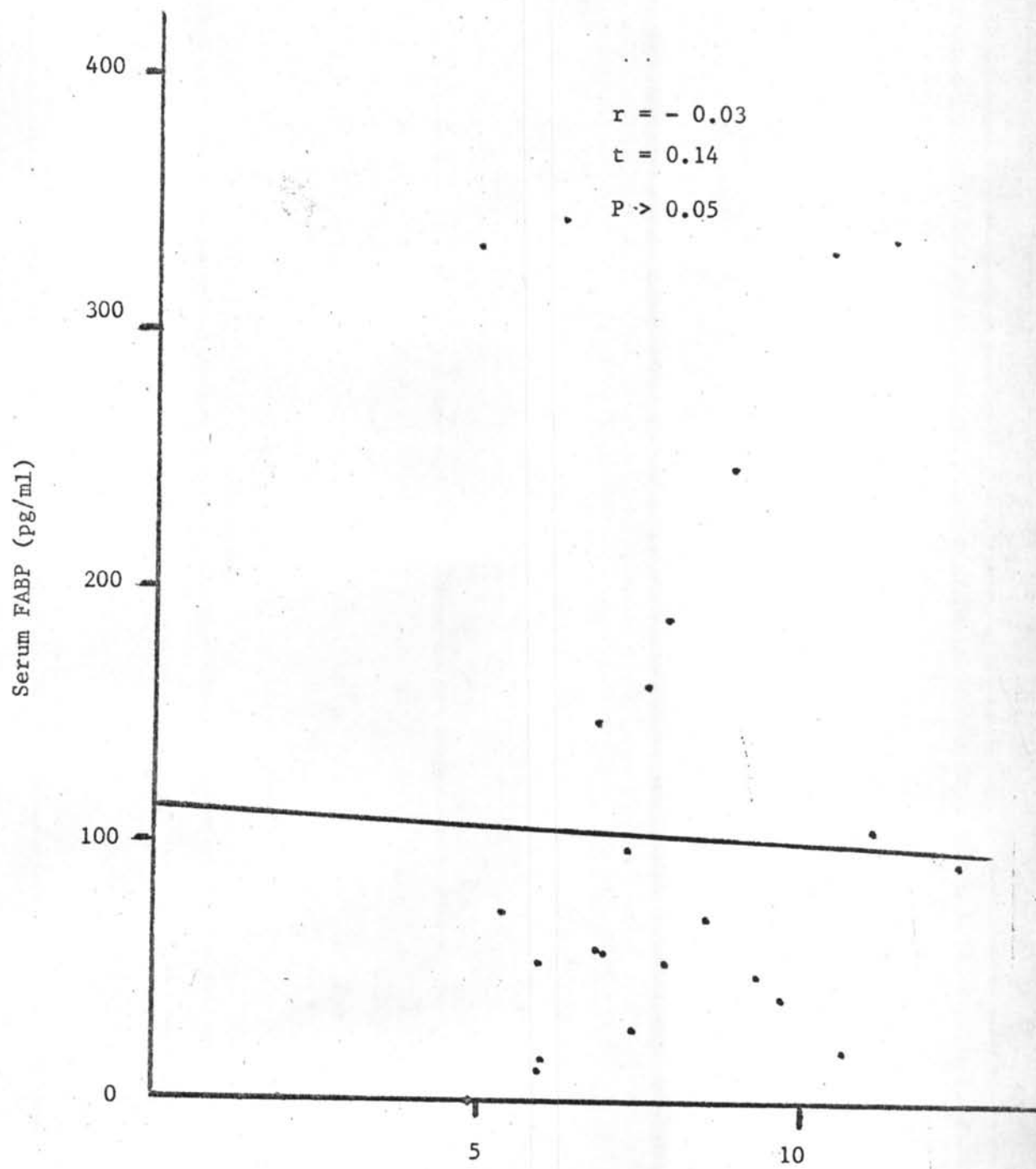


Figure 6. Correlation of Hemoglobin level with serum FABP level

A mean value \pm S.D. in 62 patients with hepatitis (74% were men) was found to be 105.76 ± 75.96 pg/ml (ranged from 23.63 to 290.13 pg/ml) as shown in table 7. This value was significantly higher than ($P < 0.01$) the mean value of the blood donor sera. The correlation between the WBC level serum FABP level of these patients was not significant ($r = -0.02$, $P > 0.05$).

Table 7. The serum FABP level in 62 patients with hepatitis.

Serum No.	Sex	Hb gm %	WBC cell/mm ³	FABP	
				% ³ H PGA bound/0.4 ml	³ H PGA bound/ml (pg/ml)
1	F	12.2	8,804	2.30	41.25
2	M	12.6	6,850	8.62	107.75
3	M	12.6	3,550	3.28	41.00
4	M	12.6	7,467	4.40	55.00
5	M	13.0	4,012	2.72	34.00
6	M	17.7	7,002	3.37	42.13
7	M	13.0	11,539	4.67	58.38
8	F	11.8	4,851	3.59	44.88
9	M	15.8	7,642	17.62	220.25
10	M	15.0	8,416	23.21	290.13
11	M	14.6	5,012	3.53	44.13
12	M	12.2	10,750	17.03	212.88
13	F	12.6	6,850	3.07	38.38
14	M	9.5	7,779	5.19	64.88
15	M	13.3	5,447	13.53	169.13

Table 7. (Continued)

Serum No.	Sex	Hb gm%	WBC cell/mm ³	FABP	
				% ³ H PGA bound/0.4 ml	³ H PGA bound/ml (pg/ml)
16	M	15.4	12,614	2.17	27.13
17	F	11.5	3,610	2.13	26.63
18	M	14.6	9,747	21.52	269.00
19	F	14.2	8,018	9.63	120.38
20	M	12.2	5,664	9.68	121.00
21	M	14.6	18,515	3.29	41.13
22	M	13.3	5,402	2.53	31.63
23	F	13.0	8,321	20.37	254.63
24	M	12.5	6,121	1.98	24.75
25	M	11.1	8,215	6.50	81.25
26	M	14.7	7,174	11.80	147.50
27	M	13.2	11,744	3.20	40.00
28	F	11.1	7,587	7.92	99.00
29	M	12.5	6,460	10.20	127.50
30	M	14.4	9,757	2.43	30.38
31	M	12.5	6,599	13.63	170.38
32	M	14.0	6,455	17.66	220.75
33	F	10.4	7,468	16.33	204.13
34	M	14.7	8,239	6.35	79.38
35	M	14.7	4,155	7.47	93.38
36	F	11.4	8,796	3.75	46.88

Table 7. (continued)

Serum No.	Sex	Hb gm %	WBC cell/mm ³	FABP	
				% ³ H PGA bound/0.4 ml	³ H PGA bound/ml (pg/ml)
37	M	14.0	8,836	5.94	74.25
38	M	18.8	5,770	8.47	105.88
39	M	13.9	5,718	19.75	246.88
40	F	11.6	8,982	6.10	76/25
41	M	15.2	7,660	6.57	57.13
42	M	15.8	3,367	10.85	135.63
43	M	10.0	7,645	5.10	63.75
44	F	11.8	9,261	2.38	29.75
45	M	15.2	8,794	4.37	54.63
46	M	16.2	11,237	7.08	88.50
47	F	13.6	15,910	11.32	141.50
48	F	10.3	4,500	19.00	237.50
49	M	9.6	8,800	9.52	119.00
50	M	12.4	15,950	12.50	156.25
51	F	8.6	6,600	19.05	238.13
52	F	11.5	5,475	15.21	190.13
53	M	13.6	7,350	8.27	103.38
54	M	14.0	5,900	20.81	260.13
55	M	11.6	9,050	9.10	113.75
56	M	14.0	7,350	3.63	45.38

Table 7. (Continued)

Serum No.	Sex	Hb gm %	WBC cell/mm ³	FABP	
				% ³ H PGA bound/0.4 ml	³ H PGA bound/ml (pg/ml)
57	M	12.8	12,347	7.29	91.13
58	M	14.4	8,450	3.74	46.75
59	M	13.6	4,861	2.20	27.50
60	M	15.8	4,702	5.32	66.50
61	F	13.6	6,244	3.45	43.13
62	M	12.2	5,040	1.89	23.63
		Range		1.89 - 23.21	23.63 - 290.13
		Mean		8.46	105.76
		S.D.		6.07	75.96

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A mean value \pm S.D. of FABP in 21 patients with jaundice was found to be 155.19 ± 124.80 pg/ml (ranged from 44.00 to 525.62 pg/ml) as shown in table 8. This value was significantly higher than ($P < 0.01$) that of the blood donor sera. There was no relationship between the WBC level and the serum FABP level of these patients ($r = -0.11$, $P > 0.05$).

Table 8. The serum FABP level in 21 patients with jaundice.

Serum No.	Sex	Hb gm %	WBC cell/mm ³	FABP	
				% ³ H PGA bound/0.4 ml	³ H PGA bound/ml (pg/ml)
1	M	9.4	7,480	20.79	259.88
2	M	7.4	40,250	8.63	107.88
3	F	9.5	4,356	7.01	87.63
4	M	6.0	4,019	14.51	181.38
5	M	11.8	6,984	4.80	60.00
6	M	13.6	11,019	3.61	45.13
7	F	3.6	9,050	4.34	54.25
8	M	11.1	8,400	7.73	966.63
9	M	13.3	6,200	21.91	273.88
10	M	14.4	5,778	3.52	44.00
11	M	10.8	25,050	4.07	50.88
12	F	5.6	7,150	20.93	261.63
13	M	12.9	10,150	19.11	238.88
14	F	8.8	11,500	26.46	330.75
15	M	10.2	9,000	3.67	45.88

Table 8. (Continued)

Serum No.	Sex	Hb gm %	WBC cell/mm ³	FABP	
				% ³ H PGA bound/0.4 ml	³ H PGA bound/ml (pg/ml)
16	M	9.0	6,050	10.39	129.88
17	F	6.6	5,250	11.66	145.75
18	M	8.0	18,800	5.51	68.88
19	M	11.6	10,750	16.37	204.63
20	F	8.0	11,900	42.05	525.62
21	M	14.4	8,550	3.65	45.63
		Range		3.52 - 42.05	44.00 - 525.62
		Mean		12.42	155.19
		S.D.		9.98	124.80

Results of serum FABP in 13 patients with cirrhosis of liver (85% were men) as shown in table 9. A mean value \pm S.D. was found to be 156.17 ± 110.20 pg/ml (ranged from 37.86 to 364.63 pg/ml). This value was significantly higher than ($P < 0.01$) that of the blood donor sera. There was no direct correlation between the WBC, hemoglobin, and serum FABP level.

Table 9. The serum FABP level in 13 patients with cirrhosis of lever

Serum No.	Sex	Hb gm %	WBC cell/mm ³	FABP	
				% ³ H PGA bound/0.4 ml	³ H PGA bound/ml (pg/ml)
1	M	8.6	2,979	3.03	37.86
2	M	10.1	5,350	5.80	72.50
3	M	8.8	22,199	20.63	257.88
4	M	10.8	9,439	7.27	90.88
5	M	7.2	19,050	29.17	364.63
6	M	9.6	7,600	5.23	65.38
7	F	6.0	4,500	7.22	90.25
8	M	9.6	11,300	5.24	65.50
9	M	7.2	5,650	9.95	124.38
10	M	9.9	8,350	7.71	96.38
11	M	10.8	3,650	25.09	313.63
12	F	11.4	3,100	13.34	166.75
13	M	9.3	12,350	22.73	284.13
		Range		3.03 - 29.17	37.86 - 364.63
		Mean		13.26	156.17
		S.D.		9.95	110.20

A mean value of FABP in 9 serum samples of patients with opisthorchiasis was found to be 200.92 ± 151.54 pg/ml (ranged from 34.00 to 388.38 pg/ml) as shown in table 10. This value of the blood donor sera ($P < 0.01$). There was no correlation between the WBC level and the serum FABP level of these patients ($r = 0.53$, $P > 0.05$).

Table 10. The serum FABP level in 9 patients with opisthorchiasis

Serum No.	Sex	Hb gm %	WBC cell/mm ³	FABP	
				% ³ H PGA bound/0.4 ml	³ H PGA bound/ml (pg/ml)
1	F	15.0	9,061	25.16	314.50
2	M	9.2	7,127	4.99	62.38
3	M	11.4	9,383	28.95	361.88
4	F	12.5	8,801	24.08	301.00
5	F	11.8	8,685	3.71	46.38
6	M	15.2	4,950	3.30	41.25
7	M	13.6	6,040	20.65	258.50
8	M	12.6	6,485	2.72	34.00
9	M	13.2	7,551	31.07	388.38
Range				2.72 - 31.07	34.0 - 388.38
Mean				16.07	200.92
S.D.				12.12	151.54

The mean value of serum FABP in 6 patients with hepatomegaly was found to be 90.96 ± 74.57 pg/ml (ranged from 16.50 to 212.50 pg/ml) as shown in table 11. This value was significantly higher than ($P < 0.01$) that of the blood donor sera.

Table 11. The serum FABP level in 6 patients with hepatomegaly

Serum No.	Sex	Hb gm %	WBC cell/mm ³	FABP	
				% ³ H PGA bound/0.4 ml	³ H PGA bound/ml (pg/ml)
1	M	13.0	7,249	1.32	16.50
2	M	12.2	7,380	7.16	89.50
3	M	13.8	6,285	17.00	212.50
4	M	14.7	6,861	10.98	137.25
5	M	13.3	5,450	1.71	21.38
6	M	8.2	7,600	5.49	68.63
Range				1.32 - 17.00	16.50 - 212.50
Mean				7.28	90.96
S.D.				5.97	74.57

The mean value of serum FABP in 6 patients with amoebic liver abscess (ALA) was found to be 234.75 ± 212.15 pg/ml (ranged from 35.75 to 481.38 pg/ml) as shown in table 12. This value was statistically significantly ($P < 0.01$) higher than that of the blood donor sera. There was no direct correlation between the WBC level and serum FABP level of these patients.

Table 12. The serum FABP level in 6 patients with amoebic liver abscess

Serum No.	Sex	Hb gm %	WBC cell/mm ³	FABP	
				% ³ H PGA bound/0.4 ml	³ H PGA bound/ml (pg/ml)
1	M	10.3	23,500	5.69	71.13
2	M	10.2	6,839	36.74	459.25
3	M	11.0	8,125	2.86	35.75
4	M	12.6	5,848	38.51	481.38
5	M	11.5	12,270	29.97	324.63
6	M	13.0	23,200	2.91	36.38
Range				2.86 - 36.74	35.75 - 459.25
Mean				18.78	234.75
S.D.				16.77	212.15

The mean value of FABP in 16 patients with CA. liver was found to be 177.38 ± 93.92 pg/ml (ranged from 51.75 to 309.75 pg/ml) as shown in table 13. This value was significantly higher than the mean value of the blood donor sera ($P < 0.01$).

Table 13. The serum FABP level in 16 patients with CA. liver

Serum No.	Sex	FABP	
		% ^3H PGA bound/0.5 ml	^3H PGA bound/ml (pg/ml)
1	M	7.94	99.25
2	M	19.95	249.88
3	M	4.46	55.75
4	M	13.17	164.63
5	M	21.58	269.75
6	M	5.96	74.50
7	M	4.37	54.63
8	M	4.14	51.75
9	M	13.80	172.50
10	M	15.51	193.88
11	M	17.96	224.50
12	F	23.22	290.25
13	F	24.78	309.75
14	M	23.69	296.13
15	F	7.91	98.88
16	M	18.56	232.00
Range		4.14 - 24.78	51.75 - 309.75
Mean		14.19	177.38
S.D.		7.51	93.92

Table 14. Relationship between WBC level and serum FABP level in patients with various diseases.

Diseases	No. of cases studies	Formulae	r	t-test
Malaria	45	$Y = 172.02 + 6 \times 10^{-4} X$	0.02	$P > 0.05$
Pyrexia of unknown origin (PUO)	52	$Y = 118.42 + 2 \times 10^{-4} X$	0.01	$P > 0.05$
Anemia*	23	$Y = 114.66 - 1.27 X$	-0.03	$P > 0.05$
Hepatitis	62	$Y = 109.06 - 4 \times 10^{-4} X$	-0.02	$P > 0.05$
Jaundice	21	$Y = 173.19 - 2 \times 10^{-3} X$	-0.11	$P > 0.05$
Cirrhosis of liver	13	$Y = 68.83 + 1 \times 10^{-2} X$	0.54	$P > 0.05$
Opisthorchiasis	9	$Y = 192.9 + 5 \times 10^{-2} X$	0.53	$P > 0.05$
Amoebic liver abscess (ALA)	6	$Y = 477.96 - 2 \times 10^{-2} X$	-0.70	$P > 0.05$

* Relationship between hemoglobin level and serum FABP level.