

RESULTS

Table 1 shows the age and the parity of women who used lippes loop

Table (1): Age and parity of lippes loop users (N = 16)

Case number	Age	Parity
1	22	3
2	25	3
3	20	1
4	30	4
5	27	4
6	19	2
7	23	3
8	24	2
9	35	4
10	30	4
11	22	3
12	28	4
13	25	3
14	23	3
15	25	4
16	30	4
Range	19-35	1-4
Mean	25.5	3.25
SD $\pm$	6.37	.81

Table 2 shows the individual results of serum prolactin level in lippes loop users, as well as, the rang, the mean, SD., S.E.M., before, one week and 3 months after insertion

Table (2) : Serum prolactin levels (ng/ml) in women using Lippes loop (n = 16)

Case number	Before insertion	One week after	Three months after
1	8.0	4.6	13.0
2	6.0	7.0	14.0
3	14.0	8.5	16.0
4	8.0	13.7	17.5
5	6.0	9.5	16.5
6	9.0	7.0	25.0
7	5.8	5.8	24.0
8	17.0	5.4	10.5
9	9.0	8.5	28.0
10	8.5	9.5	22.0
11	7.0	5.4	25.0
12	4.0	7.0	23.0
13	5.6	8.5	24.0
14	3.6	14.0	23.0
15	6.0	9.4	32.0
16	8.5	6.2	30.0
Range	4-14	4.6-14	10.5-32
Mean	7.87	8.12	21.47
SD ($\pm$)	3.45	2.73	6.26
SEM ($\pm$)	0.86	0.68	1.56

Table 3 and figure I show the mean serum prolactin levels (ng/ml) before and after insertion of lippes loops. It shows that there was no statistically significant changes in the mean serum prolactin mean levels after one week of insertion, compared to preinsertion mean level ($P > 0.05$). However, there was a statistically significant increase in the mean serum prolactin level 3 months after insertion ($P < 0.01$).

Table (3): Mean serum prolactin (ng/ml) with Lippes loop

Time	No	Mean	SD ($\pm$)	S.E. ($\pm$)
Before insertion (I)	16	7.87	3.45	0.86
One week after insertion (II)	16	8.12	2.73	0.68
Three months after insertion (III)	16	21.47	6.26	1.56
P value			I:II	N.S
			II:III	<0.01
			I:III	<0.01

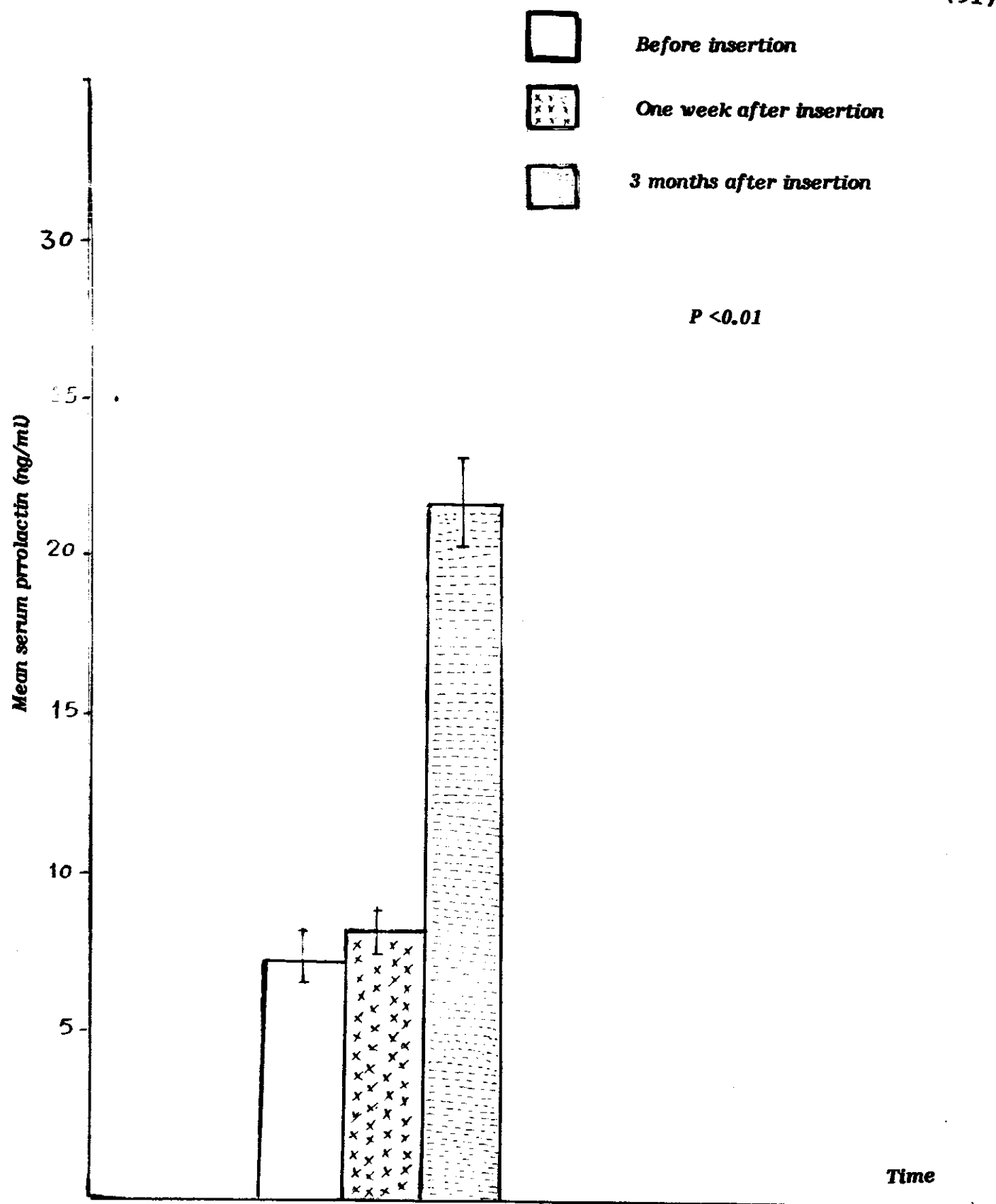


Figure (1): Mean levels, $\pm$ SEM of serum prolactin levels before and after insertion of lippes loop.

Table 4 shows the age and parity of copper T-200 users ,as well as , the range and the mean.

Table (4): The age and parity of copper T-200 users (N=15)

Case number	Age	parity
1	27	4
2	22	3
3	30	4
4	25	2
5	28	3
6	35	4
7	21	2
8	24	2
9	32	3
10	27	4
11	25	3
12	22	3
13	26	3
14	30	4
15	22	3
Range	21-35	1-4
Mean	25.73	3.31
SD $\pm$	6.64	0.85

Table 5 shows the individual results of serum prolactin level in copper T-200 users, as well as, the rang, the mean, SD $\pm$, S.E.M. , before, one week and 3 month after insertion.

Table (5): Serum prolactin levels (ng/ml) in women using copper T-200 IUCDS. (N=15)

Case number	Before insertion	One week after	three months after
1	28.0	12.0	20.0
2	27.0	35.0	29.0
3	21.0	10.0	18.0
4	5.0	11.0	26.0
5	5.0	10.0	23.0
6	18.0	7.0	24.0
7	16.0	6.0	17.5
8	7.5	4.5	15.0
9	4.8	5.4	17.5
10	9.5	10.0	20.0
11	6.8	19.0	36.0
12	10.7	12.0	36.0
13	13.0	13.0	25.0
14	11.5	7.4	14.0
15	8.0	12.0	13.0
Range	4.8-28	4.5-35	13.36
Mean	12.82	11.65	22.27
S.D. ($\pm$)	7.70	7.42	7.21
S.E.M. ($\pm$)	1.99	1.92	1.86

Table 6 and Figure II shows mean serum prolactin levels (ng/ml) before and after insertion of copper T-200 IUCDS. It shows that there was no statistically significant changes in mean serum prolactin level after one week of insertion, compared to preinsertion mean level ($P > 0.05$). However, there was a significant increase in mean serum prolactin level after 3 months of insertion ($P > 0.01$).

Table (6): Mean serum prolactin (ng/ml) in copper T-200 users

Time		No.	Mean	S.D($\pm$)	S.E($\pm$)
Before insertion	(I)	15	12.82	7.70	1.99
One week after insertion	(II)	15	11.65	7.42	1.92
Three months after insertion	(III)	15	22.27	7.21	1.86
P value					
	I:II			N.S.	
	II:III			<0.01	
	I:III			<0.01	

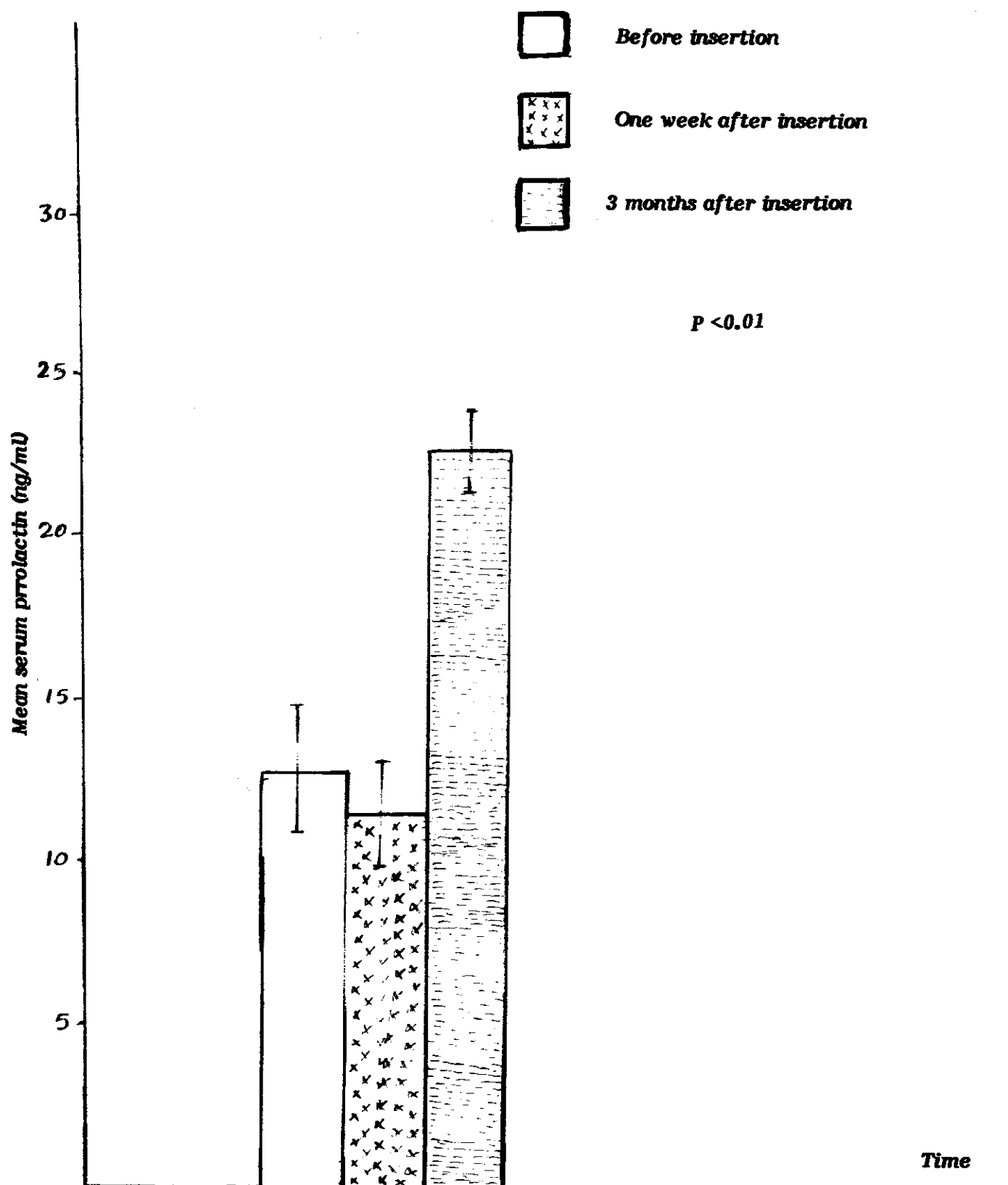


Figure (2): Mean levels, $\pm$ SEM of serum prolactin level before and after insertion of copper T-200 loop.

Table 7 shows comparison between mean serum prolactin levels, (S.D $\pm$) in copper T-200 and Lippes loops users, one week, and 3 months after insertion, there was no statistically significant difference between both groups at any time ($P > 0.05$).

Table (7): Mean serum prolactin level in women using Lippes and copper T-200 devices.

Time	Lipps IUCDs			Copper T-200 IUCDs			P value
	Number	Mean	S.D $\pm$	Number	Mean	S.D $\pm$	
One week	16	8.12	2.73	15	11.65	7.42	N.S.
3 months	16	21.47	6.26	15	22.27	7.21	N.S.

Table 8 shows the number of women with normal prolactin level and those with hyperprolactinemia (serum prolactin level more than 20 ng/ml) before and 3 months after IUCDs use. There was a highly significant number of women with hyperprolactinemia 3 months after IUCDs insertion (54.8% compared to 9.7%) [P 0.01].

Table (8): Women with hyperprolactinemia before and three months after IUCDS use.

Time	Normal		Hyperprolactinemia		Total
	No.	%	No.	%	
Before	28	90.3%	3	9.7%	31
Three months after insertion	14	45.2%	17	54.8%	31
Total	42		20		62

$$\chi^2 = 14.5$$

P value <0.01