

RESULTS

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One hundred patients fulfilled the criteria and were included in this study. They were assigned into two groups : test group (naproxen group) in which naproxen 500 Mg suppositories and a control group (Acetyl salicylic acid group) in which two tablets (500 Mg) of acetylaslicylic acid (ASA) effervescent tables were given.

The age range was 10 to 35 years with a mean of 15.638 in ASA group and 16.475 for naproxen group and $P > 0.05$.

No statistically significant difference could be found according to the age. (Table 1) Fig. (3).

Table (1): Comparative values for age of the patients.

Group	N	Age	
		X	± SD
ASA Group	50	15.638	5.21
Naproxen Group	50	16.475	5.34

Group	Analysis	
	T	P
ASA. Gr. VS Naproxen Gr.	0.28	> 0.05 **

- X : Arithmetic mean
- SD : Standard deviation.
- T. : T - Test.
- P : Probability
- ** : Insignificant.
- ASA: Acetylsalicylic acid
- VS : Versus.

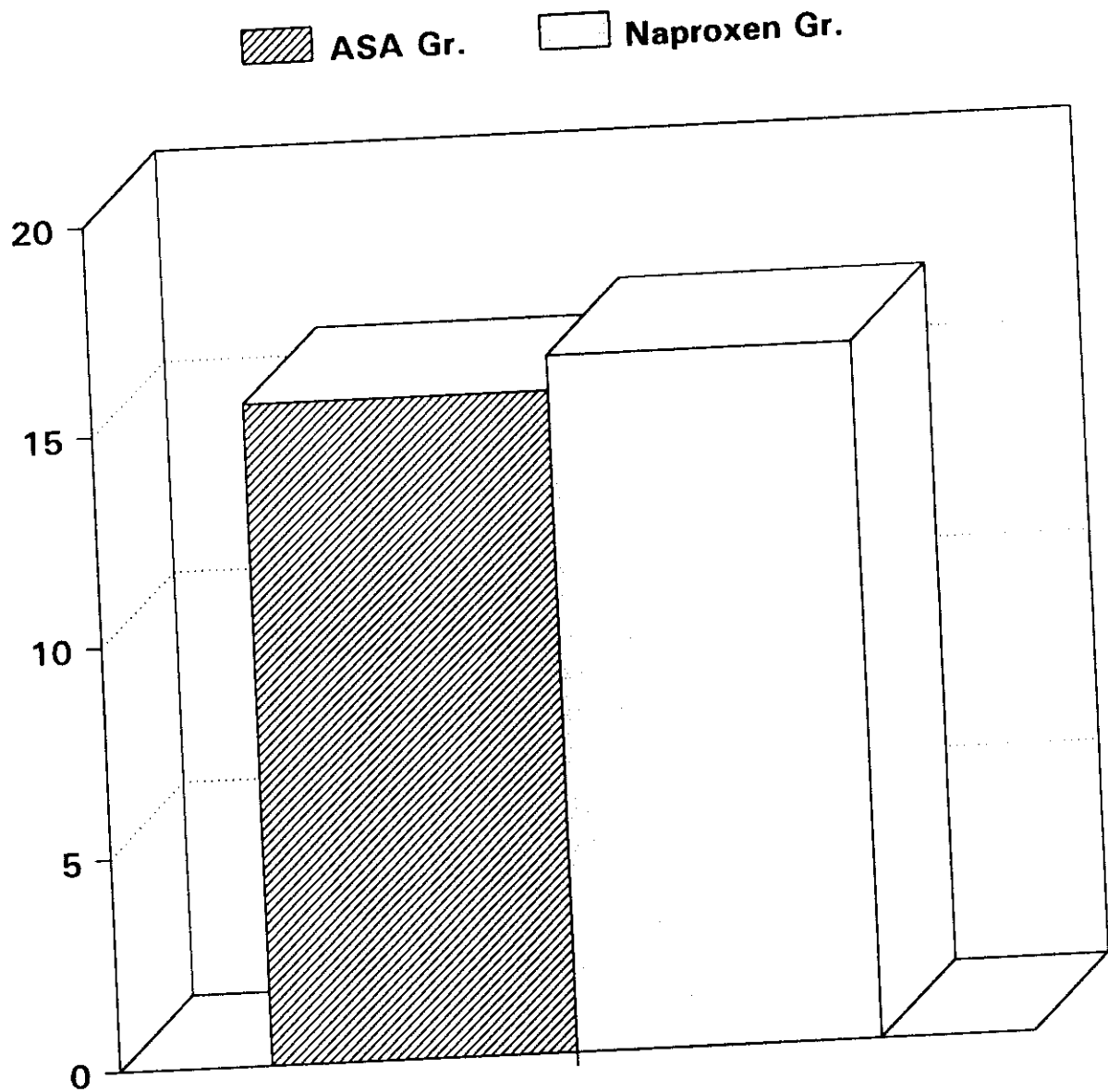


Fig.(3): Comparative values for age of the patients.

The results obtained from post - operative tonsillectomy pain discomfort scale was the following :
in the first day : mean value 2.88 and (\pm SD) was 0.824 for the naproxen group and the mean value was 3.32. and (\pm SD) was 0.683 for the ASA group.

The probability of error was > 0.05 and the T-Test was 2.906 so the pain score in the first day was statistically insignificant Between Both groups Table (2), Fig. (4).

Table (2): Comparative values for post tonsillectomy pain in the first day.

Groups	N	Score	
		X	± SD
Naproxen. G.	50	2.88	0.824
A.S.A. G.	50	3.32	0.683

Group	Analysis	
	T	P
Naproxen G. VS ASA G.	2.906	> 0.05 **

** : Insignificant

N : Number

X : Arithmetic mean

SD : Standard deviation

T : T-test

P : Probability of error

ASA : Acetylsalicylic acid.

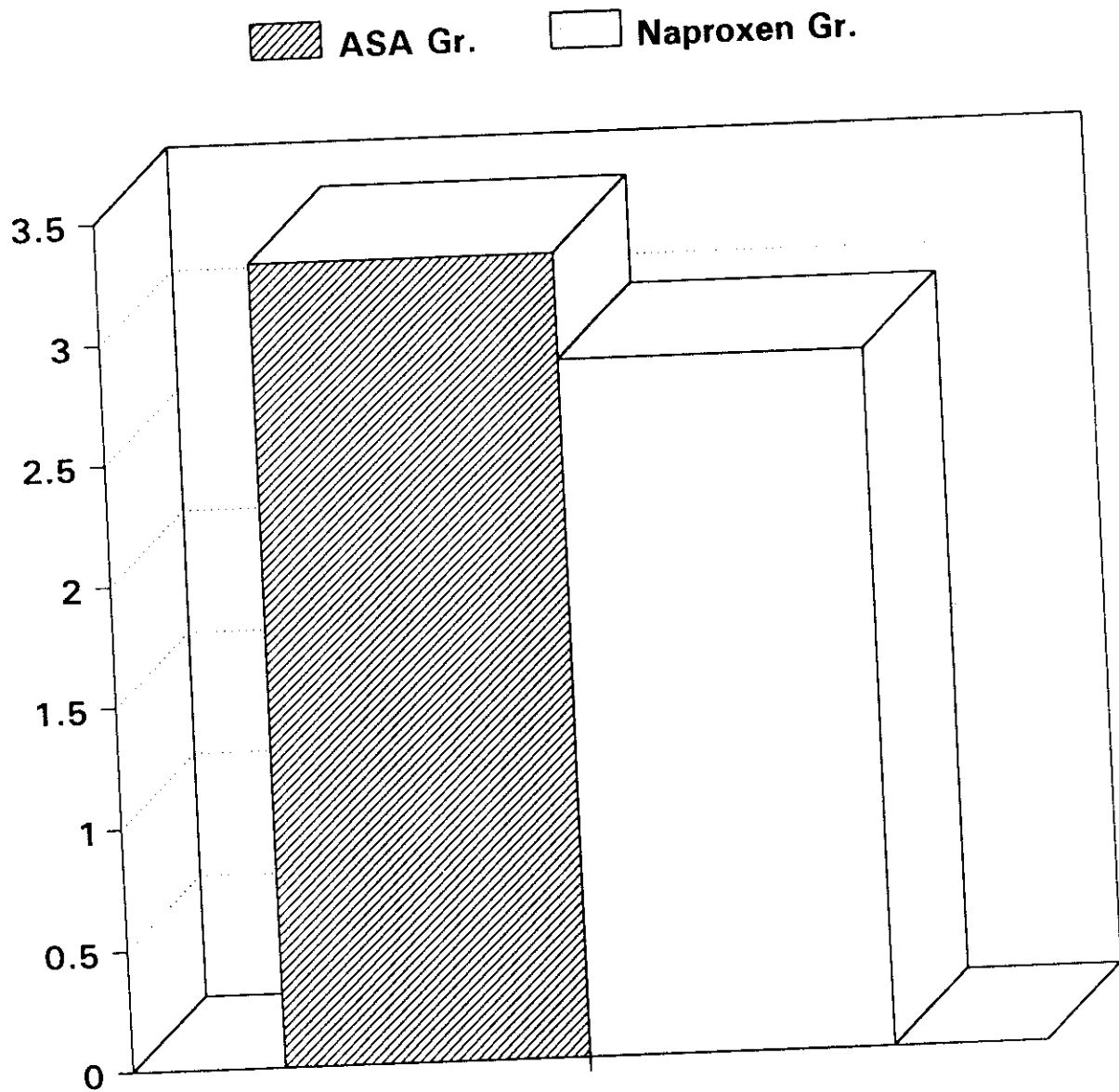


Fig.(4): Comparative values for post tonsillectomy pain in the first day.

In the second day :

The mean value was 1.88 and (\pm SD) was 0.824 for the naproxen group and mean value was 2.26 ((\pm SD) was 0.664 for ASA group and the T.Test between the two groups was 2.538 and probability of error was > 0.05 and so the pain score was statistically insignificant between both groups. (Table 3). Fig. (5).

Table (3): Comparative values for post. Tonsillectomy pain in the 2nd day.

Groups	N	Score	
		X	± SD
Naproxen. G.	50	1.88	0.824
A.S.A.	50	2.26	0.664

Group	Analysis	
	T	P
Naproxen G. VS ASA G.	2.538	> 0.05 **

** : Insignificant

N : Number

X : Arithmetic mean

SD : Standard deviation

T : T-test

P : Probability of error

VS : Versus

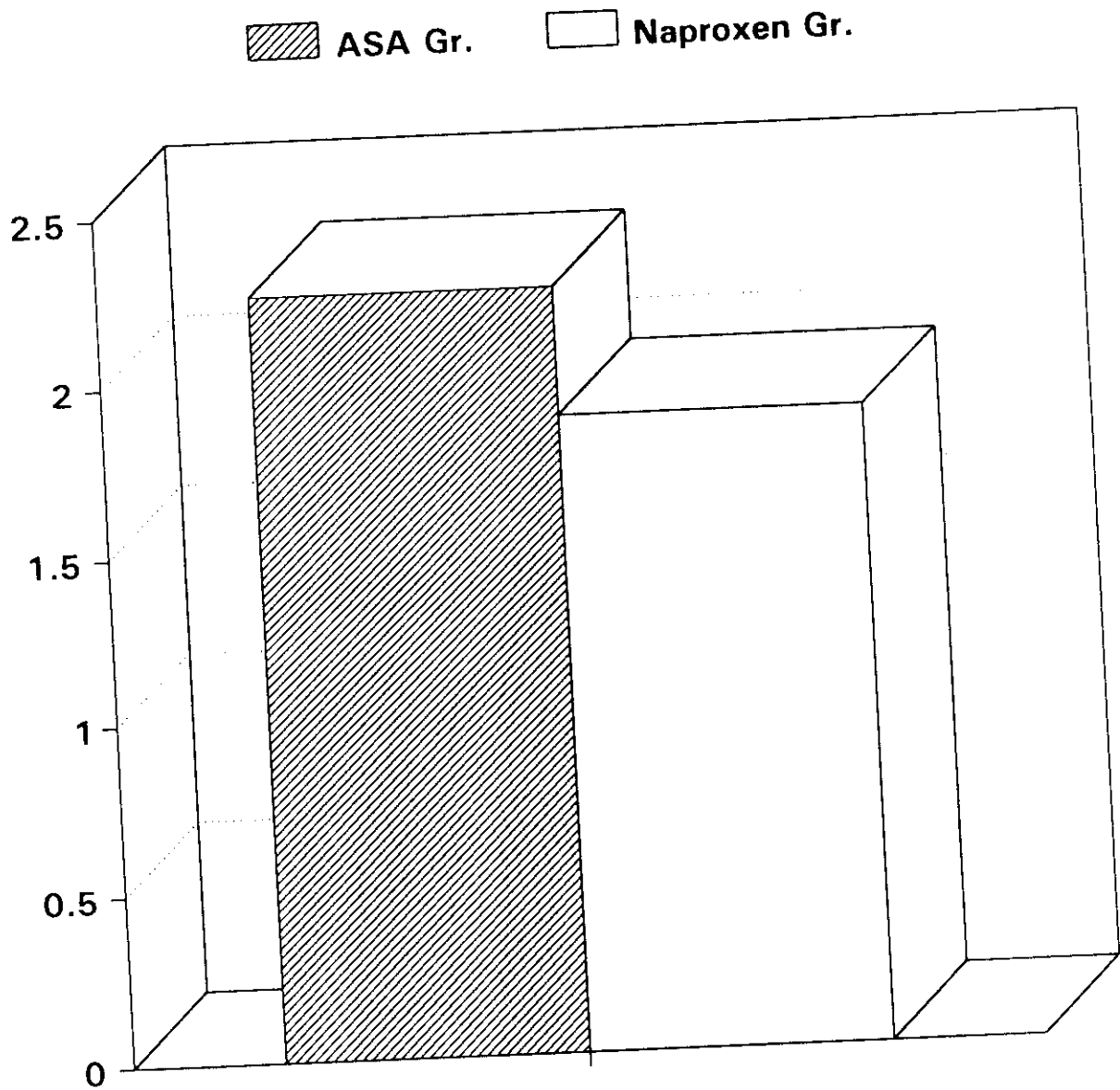


Fig.(5): Comparative values for post tonsillectomy pain in the second day.

The results obtained from mouth opening in (mm) pre-operative was the following :

In naproxen groups the mean value was 33.80 and (\pm SD) was 5.667.

In ASA group. The mean value was 31.90 and (\pm SD) was 5.007. The T-Test of Both group was 1.776 and probability of error was > 0.05 and so the difference between both group in month opening pre operatively statistically insignificant (Table 4). Fig. (6).

Table (4): Comparative values for mouth opening in (mm) pre-operative.

Groups	N	mouth opening in (mm) pre-operative	
		X	± SD
Naproxen.	50	33.80	5.667
A.S.A.	50	31.90	5.007

Group	Analysis	
	T	P
Naproxen VS ASA.	1.776.	> 0.05 **

** : Insignificant

N : Number

X : Arithmetic mean

SD : Standard deviation

T : T-test

P : Probability of error

VS : Versus

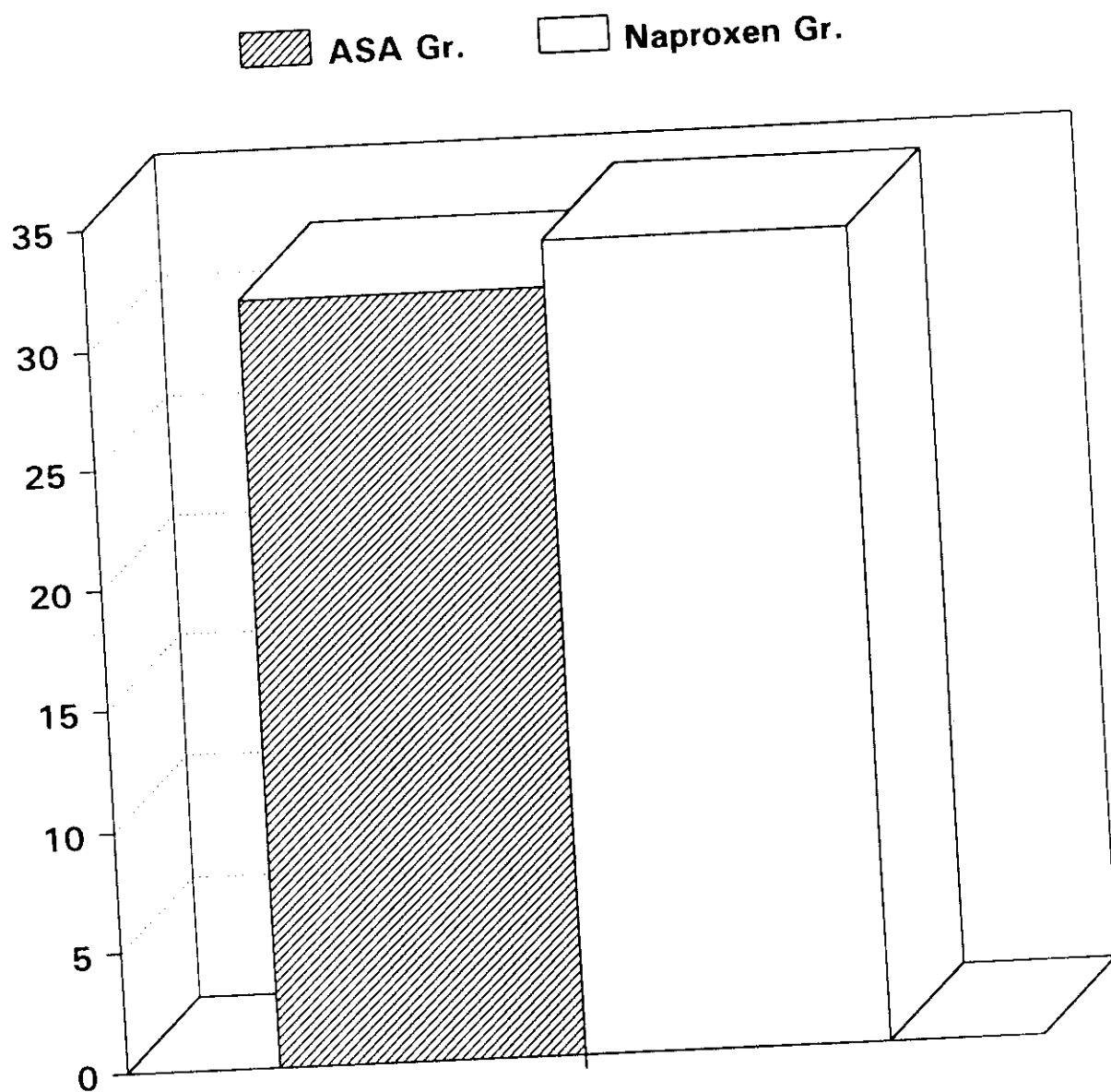


Fig.(6): Comparative values for mouth opening in (mm) pre-operative.

The results obtained from the mouth opening in (mm) post-operative in the first day was the following :

In naproxen group : the mean value was (25.20) and (\pm SD) was 8.063.

In ASA group the mean value was (27.16) and (\pm SD) was 9.836 and the T.test for both groups was 2.246 and probability of error was > 0.05 and so the difference between both group in month opening post operatively in first day was statistically insignificant, (Table 5) Fig. (7).

Table (5): Comparative values for mouth opening in (mm) post-operative in the first day.

Groups	N	mouth opening	
		X	± SD
Naproxen.	50	25.20	8.063
A.S.A.	50	21.16	9.836

Group	Analysis	
	T	P
Naproxen VS VS ASA.	2.246	> 0.05 **

** : Insignificant

N : Number

X : Arithmetic mean

SD : Standard deviation

T : T-test

P : Probability of error

VS : Versus

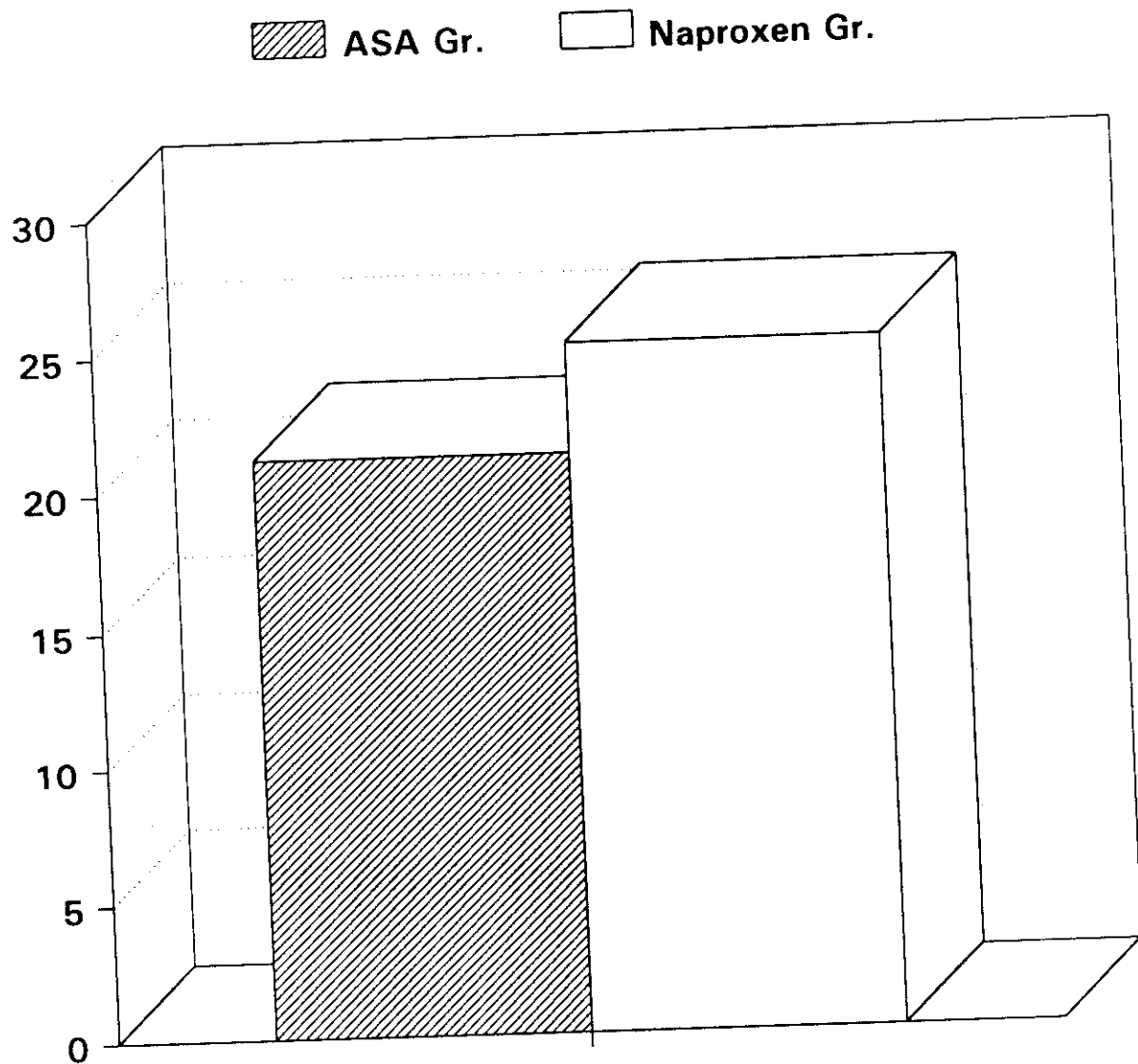


Fig.(7): Comparative values for mouth opening in (mm) post-operative in the first day.

The results obtained from the mouth opening in (mm) post-operative in the second day was the following :

In naproxen group : The mean value was 32.01 and (\pm SD) was 9.173 and in ASA group the mean was 22.96 and (\pm SD) was 5.971 and the T-test of both group was 3.926 and probability of error was (< 0.001) and the difference between both groups was statistically significant (Table 6). Fig. (8).

Table (6): Comparative value for mouth opening in (mm) post-operative in the 2nd day.

Groups	N	mouth opening	
		X	± SD
Naproxen. Group	50	32.01	9.173
A.S.A Group	50	22.96	5.971

Group	Analysis	
	T	P
Naproxen VS ASA.	3.926	< 0.001 *

* : Significant

N : Number

X : Arithmetic mean

SD : Standard deviation

T : T-test

P : Probability of error

VS : Versus