Table II. Showing age of the patients and duration of the disease

30	Parameters	Drug N=30 (4)*	Placebo N=14 (2)*	t value	. 1	P value
Age of	Range	18-59	22 - 54			
patients	Mean	34.23	35.0	0.264	ė	P>0.05
(in yrs)	SD.	±10.15	±8.41			
Duration	Range	1.5 - 26	2 - 15	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
of disease	Mean	7.98	6.93	0.665	P>0.05	
(in yrs)	SD	±6.12	±4.18			-

^{*} Figure in paranthesis showing the number of patients who did not complete the trial.

patients taking drug alongwith the coaltar therapy.

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When the mean "PASI" score was plotted against the period of treatment, the linear diagram showed persistant decline which

was more marked in the patients taking drug (Fig. 1).

No untoward side effect was noticed in any group throughout the period of the study.

Table III. Showing 'PASI' score of both the groups assessed at different time intervals

Assessment period	Parameters	Drug N=30	Placebo N=14	t value	P value
1st visit (Initial)	Range Mean SD	8.4 - 32.4 18.87 ±7.36	8.4 - 32.4 19.91 ±6.48	0.474	P>0.05 (NS)*
2nd visit (After 4 weeks)	Range Mean SD	6.0 - 27.0 13.82 ±5.90	7.0 - 25.2 15.74 ±4.55	1.182	P>0.05 (NS)*
3rd visit (After 8 weeks)	Range Mean SD	4.0 - 16.5 9.70 ±4.38	5.6 - 18.0 12.24 ±3.32	2.126	P<0.05 (S)*
4th visit (After 12 weeks)	Range Mean SD	1.2 - 9.3 4.74 ±1.98	4.2 - 14.4 9.47 ±3.08	5.261	P<0.001 (HS)*

*NS = Not significant; S = significant; HS = highly significant

•	On comparison	
1 & 11	T = 2.93	T = 1.971
	P<0.01	P>0.05
1 & 111	T = 5.36	T = 3.94
	P<0.001	P<0.001

FIG. 1. LINEAR DIAGRAM SHOWING PASI SCORE AND PERIOD OF TREATMENT

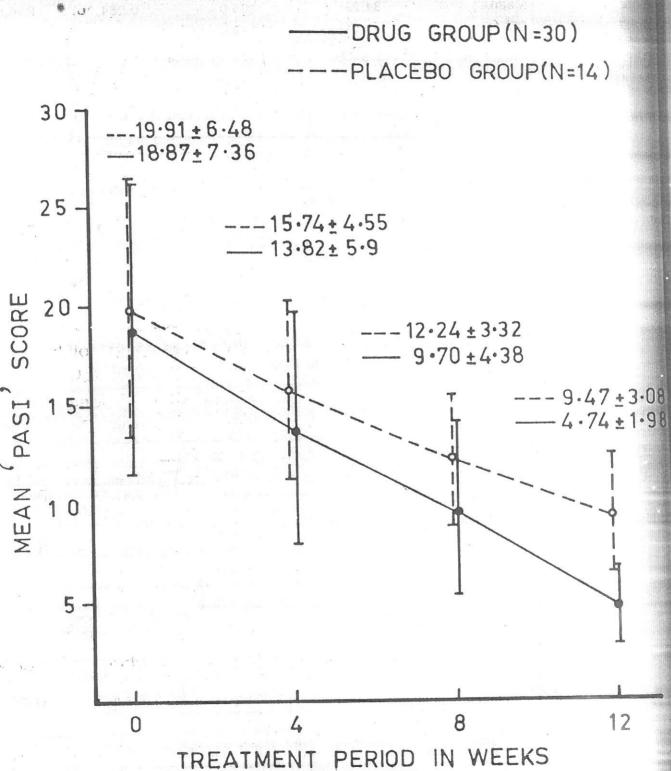


Fig. 1. Linear Diagram showing PASI score and period of treatment

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Conventional crude coal tar therapy was found to be safe and effective in controlling Acknowledgement uncomplicated psoriasis vulgaris, though the onset of action was slow.

Addition of oral aqueous extract of Neem leaf to conventional coal tar regimen has shown an excellent response and the onset of the action was quicker also.

Coal tar probably act by inhibiting the accelerated proliferation of keratinocytes, a primary alteration in psoriasis. Aqueous neem leaf extract, which contains 'Nimbidin' as a major part had shown 'Antitumour' properties.2 Probably these drugs had this action in common and thus the synergistic action of the combination was responsible for quicker action.

As there were no side effect or toxic effect observed during the 12 weeks of the trial period, the combination therapy can be given safely. Probably the drug was acting as an adjuvant to coal tar therapy in patients suffering from uncomplicated psoriasis.

The capsules containing aqueous extract of Neem leaf, (Clean-N-clear capsules) and the placebo were provided by Dabur Research Foundation.

We are thankful to the Dabur Research Foundation for their financial support, supply of the drugs and constant assistant throughout the period of study as and when asked.

References

- Farber EM, Abel EA, Charuworn A. Recent advances in the treatment of psoriasis. J Am Acad Dermatol 1983; 8: 311.
- Van der Nat JM, van der Sluis WG, de Silva KTD, Labadie RP. Ethnopharmacognostical survey of Azadirachta Indica A.Juss (Meliaceae). Journal of Ethnopharmacology 1991; 35:1.
- Pillai NR, Santhakumari G. Hypoglycaemic activity of Melia Azadirachta linn (Neem). Indian J Medical Research 1991; 74: 931.
- Pillai NR, Santhakumari G. Effects of nimbidin on acute and chronic gastro-duodenal ulcer models in experimental animals. Planta Medica 1984; 50: 143.
- Okpako DT. Prostaglandin synthetase inhibitory effect of Azadirachta Indica. Journal of West African Science Association 1977; 22:45.
- Fredriksson T, Petterssn U. Severe psoriasisoral therapy with a new retinoid. Dermatologica 1978; 157: 238.

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