

RESULTS

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In this study on 200 cases of palmo-plantar Keratoderma, *psoriasis* of palms and soles represented the highest incidence; 73 cases (36.5%) and followed by *chronic eczema* of palms and/or soles; 60 cases (30%), *plantar warts*; 21 cases (10.5%), *pityriasis rubra pilaris*; 17 cases (8.5%), *Hereditary forms of palmo-plantar keratoderma*; 10 cases (5.0%), *callusities*; 10 cases (5.0%), *Darier's disease* 3 cases (1.5%), *hyperkeratotic tinea pedis*; 2 cases (1.0%), *lymphoedematous keratoderma*; 2 cases (1.0%) and *lichen planus of palms and soles*; 2 cases (1.0%). Table (1).

* *Age of onset and sex*: the age of onset showed a very wide range, starting since birth or early months of life in the hereditary forms and extending up to 50 years specially in psoriatic cases. Table (1) and graph (1).

- *In psoriasis of palms and soles*: males were affected more than females (3.5:1) especially in the age between 40 to 50 years. Graph (2)
- *In chronic eczema*: females were more commonly affected than males (4:1), especially in the age between 30 to 40 years. Graph (3).

* *Occupation:* the following occupations were noted:
house wives 55 cases; labourer 45; student 32; farmer
30; clerk 14 and the rest of the cases (24 cases) were
young children.

* *Familial affection and consanguinity:*

Positive family history of similar affection has
been detected in 36 cases (18.2%) as follows:

- Psoriasis of palms and soles: 10 cases
- Chronic eczema : 8 cases
- Plantar warts : 2 cases
- Pityriasis rubra pilaris : 4 cases
- Hereditary forms : 8 cases
- Callosities : 4 cases

Also, *consanguinity* was detected in about 70 cases
(35%) as follows:

- Psoriasis of palms and soles: 32 cases
- Chronic eczema : 12 cases
- Plantar warts : 8 cases
- Pityriasis rubra pilaris : 8 cases
- Hereditary forms : 10 cases

* *Presentation:* (Table 3):

97 cases (48.5%) were presented by affection of both palms and soles, while affection of the palms only occurred in 46 cases (23%) and affection of the soles only occurred in 57 cases (28.5%).

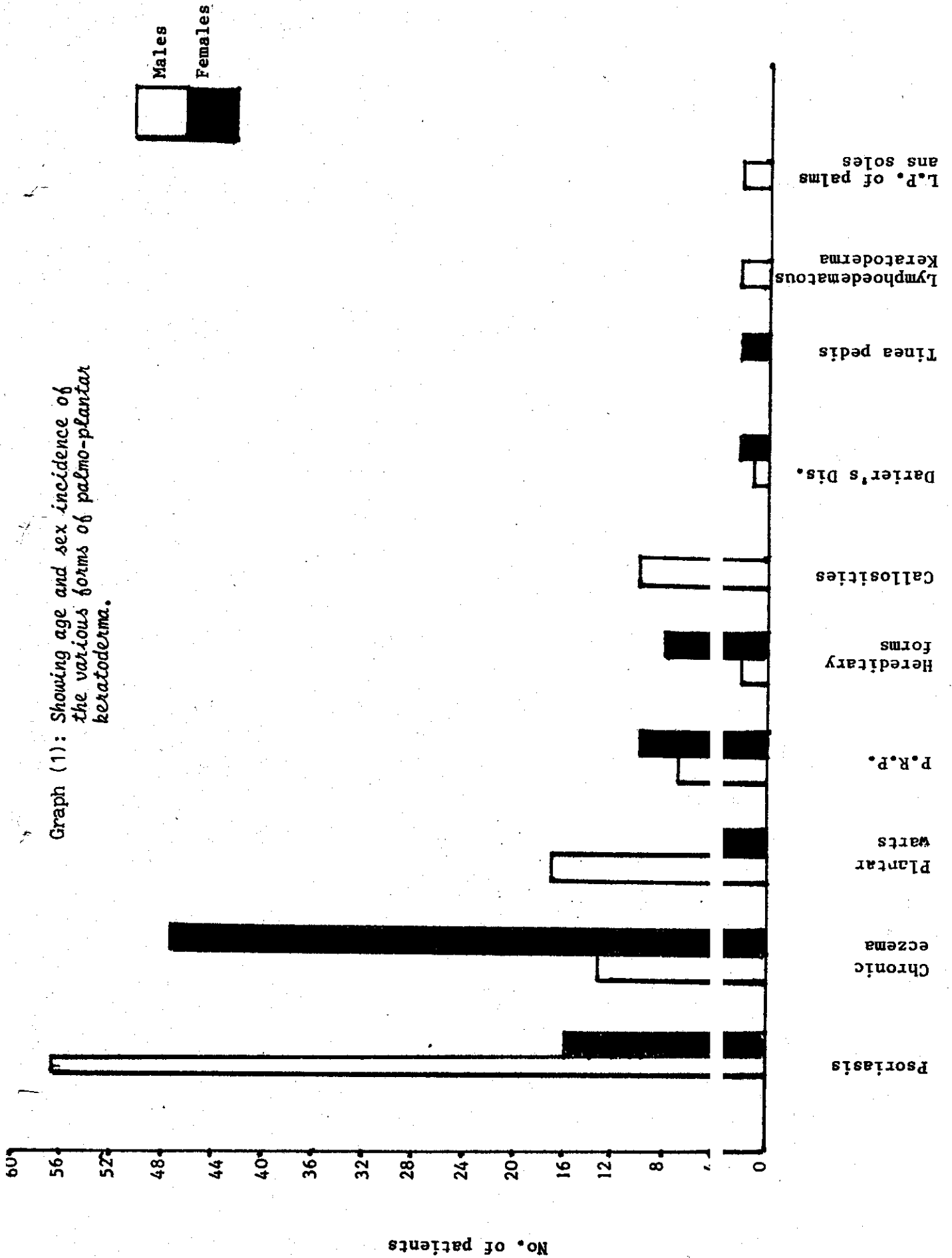
Nail affection was detected in 88 cases (44%) of which 73 cases were psoriasis of palms and soles, 10 cases were chronic eczema and 5 cases were pityriasis rubra pilaris.

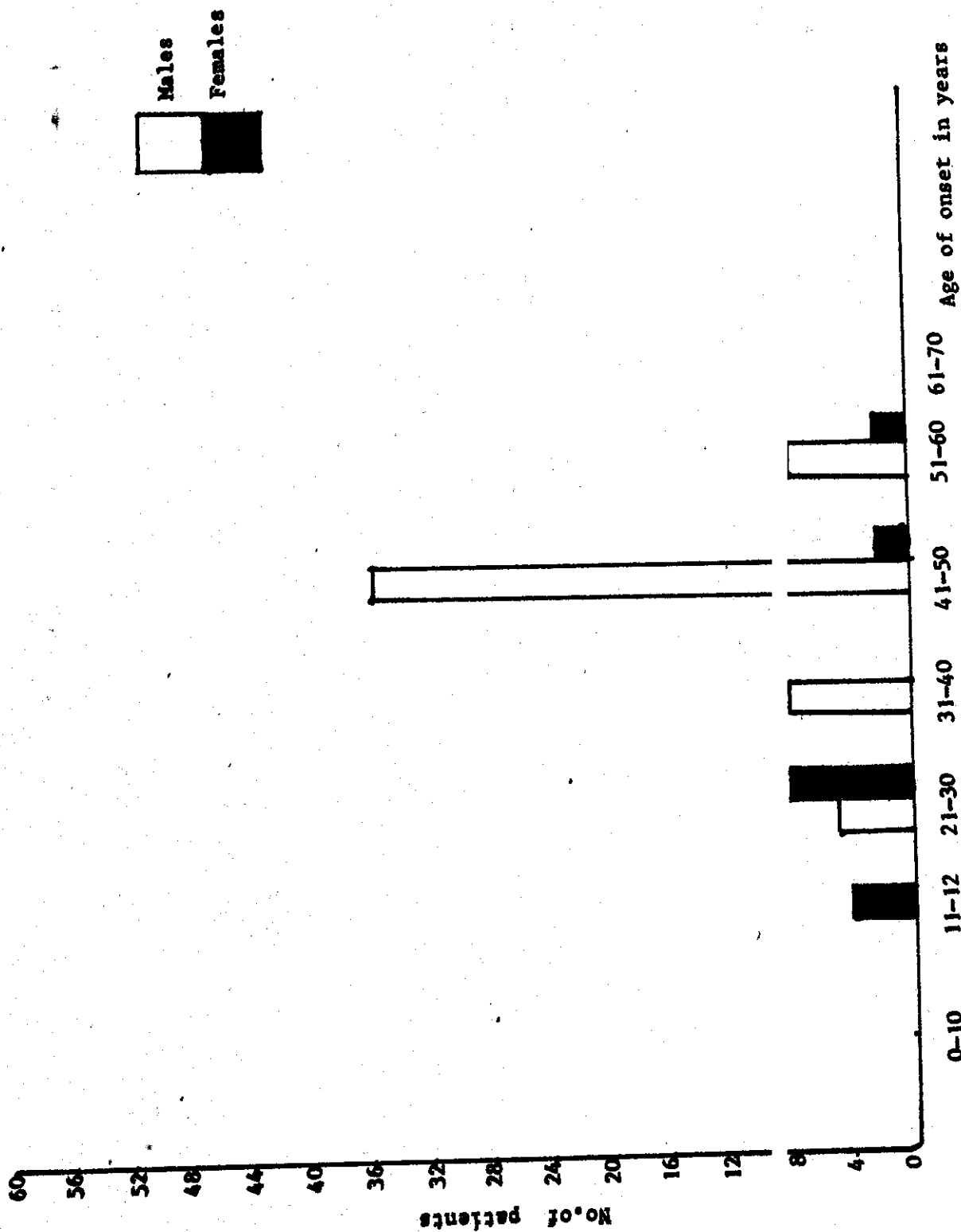
Affection of other sites of the body by same lesions of the palms and soles were detected in 79 cases (39%).

Table (1): Showing the incidence of various types of palmo-plantar keratoderma.

	No. of cases	% of cases
1- Psoriasis.....	73	36.5
2- Chronic eczema.....	60	30.0
3- Plantar warts.....	21	10.5
4- Pityriasis Rubra Pilaris.....	17	8.5
5- Hereditary forms.....	10	5.0
6- Callosities.....	10	5.0
7- Darier's disease.....	3	1.5
8- Tinea pedis.....	2	1.0
9- Lymphoedematous Keratoderma....	2	1.0
10- Lichen planus of palms and soles	2	1.0
Total	200	100%

Graph (1): Showing age and sex incidence of the various forms of palmo-plantar keratoderma.





Graph (2): Age of onset and sex incidence in psoriasis of palms and soles