



PAEDIATRIC DERMATOLOGY

## CLINICAL STUDY OF HAND AND FOOT DERMATOSES IN PAEDIATRIC AGE GROUP

*Maheshwari Nallur Siddaraju<sup>(1)</sup> - Priyadarshini K<sup>(2)</sup> - Bhumika S<sup>(3)</sup>*

*Cosmetic Skin Care Clinic, Dermatology, Bangalore, India<sup>(1)</sup> - Kutiscience Clinic, Dermatology, Bangalore, India<sup>(2)</sup> - Specialist Hospital, Dermatology, Bangalore, India<sup>(3)</sup>*

**Introduction:** The pattern of skin diseases in children varies from country to country with infections, infestations, & malnutrition being more prevalent in developing countries. Studies of paediatric population suffering from skin diseases can play an important role in public health & policy making.

**Objectives:** To determine the spectrum & frequency of dermatoses occurring in hand & foot areas in pediatric patients, to correlate the prevalence with age, sex.

**Materials and methods:** This one year cross sectional study was undertaken at Victoria Hospital, Bangalore medical college & research centre from August 2015 to May 2016. A total of 265 Paediatric patients in the age group of 1 day to 18 years with skin lesions over hand & foot were studied. Clinical diagnosis was made based on dermatological examination. If required skin biopsy or other investigations were done.

**Results:** Most of the patients were boys (53.58%) with boy to girls ratio of 1.15:1. Most common age group was 5 to 10 years comprised of 30.57%. Most of the children had hand dermatosis (35.09%) followed by both hand & foot dermatoses (34.34%) & foot only (30.57%). Associated systemic features were noted in 6.04% of the children. Overall the most common dermatosis noted was scabies (14.34%) followed by Hand foot mouth dermatosis (13.96%). Scabies was the common hand dermatosis noted in 31.18%, Hand foot mouth disease was the common dermatosis noted in children with both hand & foot dermatosis. Plantar wart was the common foot dermatosis (23.46%). Infection was the common type of dermatosis (54.72%) in boys (58.45%) as well as girls (50.41%).

**Conclusion:** Relatively there is high frequency of skin disorders among boys & children aged between 5 to 10 years. In general scabies is the common dermatosis in boys as well as girls. The dermatosis pattern varies with age in children.

