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	Journal or Pa		OR	IGINAL RESEARCH PAPER	Dermatology		
Indian		CLIN PAEL		NICAL SPECTRUM OF DERMATOSIS IN DIATRIC POPULATION IN TERTIARY CARE PITAL	KEY WORDS: Paediatric , Skin Manifestations, Prevalence		
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	ABSTRACT	of skin disease is a important compor AIM: To study the METHODS AND subjected to detai The clinical manif descriptive analysis RESULTS: Out of constituted highes infections were the	a cons nent c clini MAT iled h festat sis us susec the st per e mos	5	e evaluation for skin disorders is an y care hospital n central india. All the patients were a after getting the informed consent. e data obtained were subjected to 44.4%) females. Adolescent group of total pediatric patients.Bacterial		

outnumbered Females. Bacterial infections were the most common infection noted in the study, followed by atopic dermatitis and acne.

INTRODUCTION:

Pediatric dermatology is an important branch of dermatology that deals with the diagnosis, treatment and prevention of skin diseases occurring in infancy, childhood and adolescence¹. The pattern of skin disease is a consequence of poverty, malnutrition, overcrowding, poor hygiene, illiteracy and social backwardness in many parts of India² Status of health, hygiene and personal cleanliness of a society can be judged from the prevalence of certain skin diseases in the children of community³. Wide range of primary skin disorders are seen during childhood and skin is often a marker of underlying systemic diseases and hereditary syndromes⁴. Subjects and Methods: The study was conducted in the Department of Dermatology, in a Tertiary Care Hospital after ethical committee approval in 273 children attending the outpatient department over 6 month interval. It was an observational prospective type of study. Children with age 18 years and below with clinical evidence of cutaneous disorders were included in this hospital-based descriptive study to determine the prevalence of various skin disorders and exclusion criteria applicable for this study was age above 18 years. All the patients were subjected to detailed history taking and meticulous examination as per the proforma after getting the informed consent. The clinical manifestations in relation to pediatric dermatoses were recorded. Detailed systemic evaluation was carried out in each case. Statistical test used was Chi-square test. The data obtained were subjected to descriptive analysis using SPSS software.

RESULTS:

Table 1 summarizes the Demographic data of study popul ation which included 273 pediatric patients of age 18 and below were included. Of them, 152 (55.6%) were males and 121 (44.4%) females.

Table 2 summarizes the Age wise distribution of patients. Total 29 infants(less than 1 year) were included in the study out of which 22 were male and 7 were female (10.6 % of total study population). Toddler (1-3 year) constituted 59(21.6%) patients having 34 males and 25 females. Preschool (3-5 year) has total of 57 patients (20.8%) out of which 27 are male and 30 are female .School age group (5-11 year) has total of 51

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patients which constituted 32 males and 19 females. Adolescent group (11-18 years) constituted total of 77 patients (28.2%) of which 37 were male and 40 were female. Adolescent group constituted highest percentage (28.2%) followed by toddler which constitutes 21.6% of total pediatric patients.

Table 3 summarizes various Dermatologic Dermatosis obse rved in patients. Bacterial infections were the commonest of all the dermatosis observed . Out of bacterial infections, impetigo was the commonest constituting 22 cases out of total 44 bacterial infections(16.1%). Second most common dermatosis noted in paediatric population is atopic dermatitis which constituted 39 cases(14.2%). Next common dermatosis observed was acne constituting 37 cases (13.5%). Viral infection (12.4%) also constituted most of paediatric dermatosis, most commonly varicella seen in 12 of total patients . Fungal infections constituted 31(11.3%) of total patients out of which tinea corporis was the most commonly seen in 11 cases. Infestations constituted 30 (10.9%) of total patients out of which scabies were 24 and pediculosis capitis 06. Pityriasis alba constituted 29 cases(10.6%). Eczema was observed in 19 cases(6.9%) and hyperhidrosis in 12 cases(4.3%).

DISCUSSION:

The pattern of skin lesions in children is greatly influenced by climatic factors, dietary patterns and socioeconomic status and region. In our study, age group of 11–18 years constituted the maximum (48%) number of pediatric patients. Sacchidanand et al.⁵ observed 5–11 years is the common age group followed by adolescents with 33.21% and 29.81%, respectively.

Sharma et al.⁶ reported that pediatric dermatoses are more common in adolescent age group. Male patients outnumbered the female patients (51.4%) in our study as compared to that of Karthikeyan et al⁷ Present study showed that majority of cases belonged to the lower socioeconomic group (46.6 %) followed by the middle socioeconomic group (29.5%) as per Kuppuswamy socioeconomic classification⁸. This could be due to large rural population attending our

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hospital.

In our study, majority of dermatoses belonged to infections and atopic dermatitis group (53.3%). Sacchidanand et al \degree and Bisht et al \degree reported infections and infestations to be 32.47% and 36.46%, respectively.

Negi¹⁰ have reported them occurring in the range of 35.6– 85%. In this study, whether institution based or community based, the infections and infestations were the main group of dermatoses. The higher frequency of infections in our study could possibly be due to large rural population of low socioeconomic strata attending our hospital.

In our study, atopic dermatitis was the second most common which constituted to be 14.2%. Sacchidanand[§] et al reported atopic dermatitis as the most common eczematous dermatitis which constituted 6.12%.

Acne constituted 13.05 % of all dermatoses. All the patients of acne vulgaris belong to adolescent age group. In our study, infestations were seen in 10.9% of all dermatosis. Sacchidanand et al⁵ and Bisht⁹ et al reported infections and infestations to be 32.47% and 36.46%, respectively.Negi¹⁰ et al have reported them occurring in the range of 35.6–85%

CONCLUSION:

The present study was undertaken to determine the characteristic clinical pattern and prevalence of pediatric dermatoses in central india as many patients come from Madhya Pradesh , Chattisgarh , Orrisa . The prevalence of certain dermatoses may be influenced by climatic changes. This was quite evident in our study in which atopic dermatitis was noted predominantly in winters while infections and infestations was seen more frequently in rainy season. A detailed knowledge about the pattern of pediatric dermatoses in each geographic area will help us in imple me nting essential changes in health education, disease control and preventive strategies in the area concerned.

Table 1: Distribution of patients according to age groups

GENDER	TOTAL
MALE	152 (55.6%)
FEMALE	121(44.4%)
	273

Table 2: Age wise distribution of patients

AGE	MALE	FEMALE	TOTAL
INFANTS <1 year	22	7	29(10.6)
TODDLER 1-3 year	34		59(21.6%)
PRESCHOOL 3-5 year	27	30	57(20.8%)
SCHOOL AGE 5-11 year	32	19	51(18.6%)
ADOLESCENT 11-18 year	37	40	77 (28.2%)
	152	121	273

Table 3 Various Dermatologic Dermatosis observed in patients

ETIOLOGY	DISEASE	CASES	TOTAL
BACTERIAL	Folliculitis	14	44(16.1%)
	Impetigo	22	
	Furunculosis	06	
VIRAL	Wart	04	34(12.4%)
	Molluscum	10	
	contagiosum	12	
	Varicella	02	
	Herpes zoster	05	
	Measles	01	
	Dengue		
	haemorrhagic fever		

FUNGAL	Tinea capitis	06	31(11.3%)
	Tinea corporis	11	
	Tinea faciei	05	
	Tinea cruris	08	
	Tinea versicolor	01	
INFESTATIONS	Scabies	24	30(10.9%)
	Pediculosis capitis	06	
ECZEMA	-	19	19(6.9%)
PITYRIASIS ALBA	-	29	29(10.6%)
ATOPIC	-	39	39(14.2%)
DERMATITIS			
ACNE	-	37	37(13.5%)
HYPERHYDROSIS	-	12	12(4.3%)

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