



PAEDIATRIC DERMATOLOGY

EOSINOPHILIC ANNULAR ERYTHEMA IN A 6 YEARS OLD CHILD: A LESS KNOWN CAUSE OF FIGURATE ERYTHEMA

A Gangopadhyay⁽¹⁾

R G Kar Medical College And Hospital, Dermatology, Kolkata, India⁽¹⁾

Background: Eosinophilic annular erythema is a rare condition characterized by recurrent erythematous, annular lesions on the trunk and extremities. The histopathology shows dense perivascular infiltrate of eosinophils and lymphocytes in dermis and subcutis. Several studies have described this condition as a variant of Well's syndrome. The various conditions associated with eosinophilic annular erythema that have been reported so far are diabetes mellitus, chronic hepatitis-C virus infection, chronic kidney disease and metastatic prostate adenocarcinoma.

Observation: A six years old girl presented to us with asymptomatic persistent and progressively increasing reddish-brown annular plaques over her (both) legs, thigh, and ear lobules for one year. The parents of the child were seropositive for HIV antibodies. The differential diagnoses were granuloma annulare, annular sarcoidosis, annular erythema of infancy. There was no fever, arthralgia or any other systemic complaints. The systemic examination was unremarkable and no abnormality was found on routine investigations. Her serology was also non reactive for HIV, Hepatitis B and C. On histopathology, dense inflammatory infiltrate in the periappendageal, perivascular region and subcutis comprising of predominantly eosinophils along with lymphocytes and few histiocytes were found. No flame figures were seen. Based on the clinico-pathologic correlation, a diagnosis of Eosinophilic annular erythema was made.

Key message: Eosinophilic annular erythema is not frequently suspected as a cause of figurate erythema. Its occurrence in pediatric population is also uncommon as all the cases reported so far have occurred in adults. It is the first reported case from Indian subcontinent.

