

A STUDY OF CUTANEOUS MANIFESTATIONS IN CHRONIC KIDNEY DISEASE PATIENTS ON DIALYSIS

ABSTRACT

- **Background:** Chronic kidney disease(CKD) elicits numerous dermatological manifestations which may be specific or non-specific. They are caused either by the disease or by the treatment - Dialysis . **Aim:** The aim of the study was to evaluate the prevalence of dermatological problems in CKD patients on hemodialysis (HD) / peritoneal dialysis(PD) and to identify and analyse the varied presentations of dermatoses in those patients. **Methods:** Eighty patients of CKD on dialysis with skin manifestations including hair and nail abnormalities were included in the study. **Results:** Pruritus was the most common cutaneous manifestation seen in about 47 patients (58.75%) followed by pallor seen in 44 patients (55.0%) and xerosis in 37 patients (46.25%) . Acquired perforating dermatoses is present in 10 patients(12.5%) . Other cutaneous manifestations noted include skin infections (10.0%), hyperpigmentation(3.75%), yellowish discoloration of skin(1.25%), Purpura(2.5%) and Eczema at fistula site (2.5%). Nail changes were seen in 28 patients (35 %), Most common being Half & half nail (11.25%), followed by Longitudinal melanonychia (6.25%), Onycholysis(5%), Leukonychia (3.75%),Onychomycosis(2.5%),Subungual

hyperkeratoses (2.5%), Mee's line(1.25%) and Beau's line(1.25%). Hair changes were seen in 13 patients (16.25%), which include Diffuse scalp hair loss (11.25%) & Dry and fragile hair (5%). Oral mucosal changes were seen in 13 patients (16.25%) of which Macroglossia with teeth marking (Tongue Sign of Uraemia) was seen in 13.75% and Uremic fetor in 2.5%. **Conclusion:** The specific manifestations of CKD like pruritus, pallor and xerosis were observed in our study. But Calcinosis cutis, Calciphylaxis, Pseudoporphyria and Nephrogenic Systemic Fibrosis were not seen. Skin manifestations were common in patients undergoing Peritoneal dialysis than Hemodialysis.

Keywords: Chronic kidney disease, dialysis, pruritus