CUTANEOUS MANIFESTATIONS IN PATIENTS WITH CHRONIC KIDNEY DISEASE ON HEMODIALYSIS

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ABSTRACT

Title: Cutaneous manifestations in patients with chronic kidney disease on hemodialysis.

Background: Many systemic diseases produce skin changes. Renal diseases are one of the common systemic conditions where skin changes are seen very frequently.[1] Chronic Kidney Disease presents with a variety of cutaneous manifestations due to multiple factors such as uraemia, hormonal and metabolic disturbances, drugs and dialysis.

Objectives: To study the various cutaneous abnormalities and the factors affecting these manifestations in patients with chronic kidney disease undergoing Hemodialysis.

Methods: One hundred patients diagnosed with chronic kidney disease undergoing Hemodialysis in SDM College of Medical Sciences and Hospital, Dharwad were included. Detailed history, clinical examination and relevant investigations were done. Patients on renal transplantation were excluded. Statistical methods like simple proportions, percentage and mean were calculated. Chi square test was applied wherever necessary.

Results: Among 100 patients, there were 77 males and 23 females (M:F 3.34:1). Almost all the patients had at least one mucocutaneous manifestation. Pruritus was present in 64(64%) patients with no significant association with creatinine clearance. Among cutaneous manifestations xerosis (91%) was the commonest finding, followed by diffuse pigmentation (65%). Acquired perforating dermatosis was seen in 3 patients. Cutaneous infections were seen in 8 patients, commonest being fungal infections. Half and half nails (12%) were the commonest nail finding. Alopecia(30%) was the commonest hair complaint.
Conclusion: Skin, hair and nail changes are common in CKD patients. Hemodialysis has increased the life expectancy of these patients and also triggered newer cutaneous complications. Dermatological manifestations may cause lot of suffering to these patients. Early diagnosis and prompt management can reduce morbidity in these patients.

Key words: Acquired Perforating Dermatosis; Chronic Kidney Disease; Chronic Renal Failure; CRF; Cutaneous manifestations; Kyle’s disease; Maintenance Hemodialysis; Pruritus; Xerosis.