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Massivesubcutaneous calcification in HD

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Case Study: Massive subcutaneous calcification of buttock in hemodialysis patient

Running title: Massivesubcutaneous calcification in HD

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Abstract

Subcutaneous calcifications is a complication of chronic kidney disease characterized by calcification of the small arteries and tissue. A case of a 20-year-old male was end stage renal disease due to chronic glomerulonephritis and underwent hemodialysis treatment regimen for 3 years. He complained of mass on left buttock area. A presumptive diagnosis of subcutaneous calcification led to hospital admission with confirmation by pelvis AP X-ray. He was continued to hemodialysis with low calcium diet, aggressive reduction in phosphorus, diet counseling, use of cinacalcet. But mass was aggravated and he was operated with excision of lesion of other soft tissue. He was administered intravenous sodium thiosulfate infusion three times per week for three months. The patient's condition improved with resolution of symptoms and radiologic findings.

Keywords : Pelvic mass, Subcutaneous calcification, Sodium thiosulfate, Hemodialysis