

A rare presentation of Charcot neuroarthropathy: ipsilateral recurrence in the presence of end-stage renal disease

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Charcot neuroarthropathy (CN) is a rare, catastrophic joint complication that is most often seen in patients with peripheral neuropathy secondary to diabetes mellitus (DM). It is generally accepted that CN rarely recurs in the ipsilateral limb, and very few cases of multiple CN events occurring on the same limb have been reported in literature. This case study aims to illustrate a rare presentation and progression of a patient with CN currently undergoing offloading treatment. Due to the patient's presentation of extreme pain, an HbA1c within goal limits, and history of uricemia secondary to renal dysfunction, we believe our patient's CN is secondary to impaired uric acid clearance in the setting of end-stage renal disease (ESRD). To our knowledge, this case is the only description of an ipsilateral CN incident secondary to uremic neuropathy. In addition, it appears that this is the only reported incidence of tertiary ipsilateral CN. A literature search indicates that about 30% of patients with CN also present with ESRD. Therefore, early consultation with podiatric care is essential in renally-impaired patient populations to prevent amputations and morbidity associated with foot complications, such as CN.