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Microwave ablation treatment of non-lactating mastitis

A 64-year-old male with a history of alcoholism and newly diagnosed pulmonary tuberculosis (TB) developed hypercalcaemia during anti-TB treatment (Rifampicin, Isoniazid, Pyrazinamide, Ethambutol). He manifested right leg bone pain and hallucinations. Hypercalcaemia workup, including PTH, vitamin D, myeloma screen, and imaging, revealed no underlying malignancy or granulomatous bone involvement. Despite stopping vitamin D/calcium supplements and receiving fluids, bisphosphonates, calcitonin, and steroids, his calcium levels remained elevated. Further history revealed excessive milk intake (1-2 L/day). Cessation of dairy led to gradual symptom resolution and normalization of serum calcium within two weeks.

This case highlights milk-alkali syndrome as a rare but reversible cause of hypercalcaemia in TB patients.

Keywords

calcium intake, hypercalcemia, metabolic alkalosis, milk-alkali syndrome, pulmonary tuberculosis

Biography

Dr. Ali Bani Mustafa is a dedicated medical professional committed to advancing patient care, clinical excellence, and evidence-based practice. With a strong academic foundation and growing expertise in his field, he continues to build a distinguished profile through clinical work, research involvement, and participation in international medical forums. Dr. Bani Mustafa is recognized for his disciplined approach to patient management, his ability to work effectively in multidisciplinary teams, and his passion for improving health outcomes through innovation and continuous learning.

Throughout his career, he has demonstrated a strong interest in expanding his clinical skills and contributing to medical education and training initiatives. His commitment to professional development is reflected in his engagement with conferences, workshops, and collaborative clinical activities that enhance his practice and broaden his scope of knowledge. Dr. Bani Mustafa remains focused on integrating modern diagnostic and therapeutic approaches to provide high-quality care to patients.

With a forward-looking vision, he aims to contribute to ongoing advancements in healthcare and to participate actively in clinical research and academic activities. Dr. Ali Bani Mustafa's dedication, professionalism, and compassionate approach continue to define his growing contributions to the medical community.