

## EPITHELIOID SARCOMA OF WRIST: A DIAGNOSTIC CHALLENGE

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**Introduction:** Epithelioid Sarcoma (ES) of the hand is a rare, high grade soft tissue sarcoma. It accounts for less than 1% of soft tissue sarcoma. It grows slowly, often misdiagnosed and is a great mimicker of multiple diseases due to its deceptively harmless appearances during the initial stages of the disease.

**Discussion:** A 24-year-old gentleman presented with history of nodular swelling and pus discharge over radial side of left wrist for 3 months. He was diagnosed with osteomyelitis of left radial styloid and treated with 6 weeks of antibiotic after wound debridement. He presented to us 2 months later with worsening wound over surgical site for which he underwent wound debridement and another 6 weeks course of antibiotics. Patient presented to us 2 weeks later with complaint of swelling and bleeding from operative site. On examination we noted a wound measuring 3x3 cm with friable granulation tissues over radial aspect of left wrist and multiple nodular lesions over left palm with haemoserous discharges. X ray of left wrist showed juxta-articular osteopenia with focal bone lysis. Patient underwent wound debridement and intraoperative histopathological sample sent came back as Grade 3 epithelioid sarcoma. Patient underwent above elbow amputation with postoperative radiotherapy after 3 months being treated for osteomyelitis of radial styloid.

**Conclusion:** Epithelioid sarcoma is a great mimicker of various diseases. Early recognition and treatment are essential for better outcome for patients. This case should alert treating surgeons to include soft tissue sarcoma as a differential diagnosis of harmless looking, occasional painful firm nodules localised on the hand and wrist region of young adults especially when there are osteolytic changes in x-rays.