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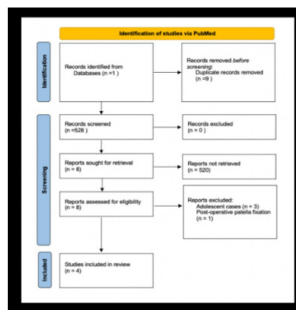
Why Mechanism Matters: A Literature Review of Simultaneous Ipsilateral Tibial Tuberosity Avulsion and Patella Fracture With Case Report

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Simultaneous ipsilateral tibial tuberosity avulsion and patella fractures are rare in adults. They are often associated with patients who have underlying bone disease and other medical co-morbidities. Here we describe a case where this injury was attributed to direct trauma and demonstrate our department's management for such an injury. In addition to our case report, we have performed a systematic literature review to identify other cases of the same injury. Only four other cases have been reported. Here we summarise and compare the management and outcome measures reported in each case. All patients are managed differently, yet all authors report satisfactory outcomes. With this being a relatively rare injury, further research is required to establish a gold standard for the management of such patients.



Recent Publications

1. Acute tibial tubercle avulsion fractures. McKoy BE, Stanitski CL. Orthop Clin North Am. 2003;34:397–403
2. Fracture of tibial tuberosity in an adult with Paget's disease of the bone - An interesting case and review of literature. Raad M, Ndlovu S, Hógsand T, Ahmed S, Norris M. <https://doi.org-10.1016/j.tcr.2021.100440>. Trauma Case Rep. 2021;32:100440.
3. Comminuted patella fracture in elderly patients: a systematic review and case report. Matthews B, Hazratwala K, Barroso-Rosa S. Geriatr Orthop Surg Rehabil. 2017;8:135–144.

Biography

Alexander Jaques is a junior doctor working within the Orthopaedic Department in Lister Hospital, Stevenage. He has a passion for medical education and over his foundation years a keen interest in Orthopaedic Surgery and is hoping to pursue this as he progresses through his career. His other current research extends into Non-traumatic limb amputations in a changing demographics and its effects on operative management.

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