

Suture-Based Arthroscopic Paediatric Tibial Spine Fracture Reduction & Fixation

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This technical note and video describes our technique for arthroscopically assisted reduction and fixation of tibial spine fractures using trans-osseous tunnels with cannulated drills and suture tape fixation over a bone bridge. This method aims to restore native anatomy, provide fracture compression, and offer tensioning of the ACL and favorable biomechanical properties, allowing for early range of motion. The approach is particularly well-suited for paediatric/adolescent patients, where this fracture is typically seen. We discuss and show the indications and some technical pearls for this technique.