## Arthroscopic Targeted Screw Placement for Low-Energy Distal Tibial (Pilon) Fractures

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Pilon fractures are distal tibial impact fractures that can occur with or without fibular involvement. They frequently cause complex fracture patterns involving the metaphyseal and articular tibial regions.<sup>1</sup> Common mechanisms of injury for simple, low-energy pilon fractures are distal tibial impact and twisting injuries.<sup>2,3</sup> Pilon fractures make up 3-10% of all tibial fractures.<sup>2</sup>

Treatment of choice varies depending on the fracture pattern and surrounding soft-tissue damage. External fixation and delayed open reduction are typically utilized to prioritize soft tissue before definitive anatomic reduction.<sup>2</sup> However, complication rates are still high despite a staged treatment approach. Common complications include wound breakdown, infection, nerve injury, and posttraumatic ankle arthritis.<sup>1-3</sup>

We propose an arthroscopic reduction percutaneous fixation in favor of a traditional open reduction internal fixation (ORIF). This allows for less disruption of the soft tissue envelope and a more expedited surgical timeframe.