

Injuries Of Proximal Tibia. Bicolumn Plating: How To Do It?

Hakan Kınık

Department of Orthopaedics & Traumatology, University of Ankara, Ankara, Turkey.

As all intra-articular fractures, tibial plateau fractures are treated with anatomic reduction and stable fixation that will allow early joint motion. Since the advent of locked plating, many studies proposed that varus deformity can be prevented with the application of a single locked lateral plate. Few years later, both malreduction (up to 23 %) and loss of reduction (13 percent) was reported with this technique. Also a large posteromedial fragment that was reported at least 50 % associated with bicondylar fractures can not be fixed with a single lateral plate. The current trend for the management of tibial plateau fractures include a CT based three column classification of the fracture pattern and tailor the approaches and fixation construct to these data. In this lecture, these concepts will be given.