STUDY OF FUNCTIONAL OUTCOME IN PROXIMAL TIBIA FRACTURES FIXATION USING THREE COLUMN CONCEPT

ABSTRACT:

INTRODUCTION:

Proximal tibia fractures are the one of the commonest peri articular fractures. Each fracture has certain type of difficulty and complications while managing them. Three column concept is a novel and simple classification to overcome those difficulties and improve the functional outcome in proximal tibia fractures.

MATERIALS AND METHODS:

We studied 30 surgically treated proximal tibia fractures after classifying them with three column concept classification using modified Rasmussen score. Of which 26 were male patients, and 4 patients were female patients. We used floating position for fixing two and three column fractures to approach posteromedial and lateral aspect of proximal tibia

RESULTS:
22 patients had a good range of movements in knee joint with no complications except 3 patients had wound infections, 3 patients had screw pull out and 3 patients had knee stiffness.

CONCLUSION:

Three column concept classification makes the surgeon better prepared to approach complex proximal tibia fractures.