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Case Reports

Surgical Reconstruction of an Open Medial Malleolus Fracture Using a Novel Technique

A Case Report

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Investigation performed at the Hospital Tengku Ampuan Afzan, Pahang, Malaysia

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Abstract

Case:

A 17-year-old male sustained an open fracture of the right medial malleolus (MM) with significant bone and soft tissue loss following a motor-vehicle accident. Following serial wound debridement, his ankle was effectively reconstructed with MM antiglide plate stabilization, iliac autogenous bone graft, and a free radial forearm soft tissue flap.

Conclusions:

Open MM fracture with bone and soft tissue loss is rare. It is feasible to treat this injury with a novel surgical reconstruction technique involving autogenous bicortical iliac bone graft and radial forearm free flap.

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