

開放性遠端股骨骨折使用游離腓骨移植治療-案例報告

涂智鵬 張世幸 董光義 杜隆成 黃文成 游家孟

台北馬偕紀念醫院外科部整形外科

Distal femur open fracture treated with free vascularized fibular grafting: A case report

Chih-Peng Tu, Shih-Hsin Chang, Kwang-Yi Tung, Lung-Chen Tu, Wen-Chen Huang,
Chia-Meng Yu

Division of Plastic Surgery, Department of Surgery, Mackay Memorial Hospital, Taipei,
Taiwan

Abstract:

A 20-year-old male patient suffered a traffic accident with the left distal femur bone open comminuted fracture. The Gustilo open fracture classification was type III with bone loss. He received wound debridement and external fixation with the Hoffman external fixator at the first time operation. The second time operation was performed 7 days later. Open reduction and internal fixation with the less invasive stabilization system were done. Subsequently, we used the free vascularized fibular grafting to treat the long bone defect. After the one year follow-up, the femur is well healing and union.

Free vascularized fibula grafting provides an attractive reconstructive option. It has advantages to provide immediate structural support and vascularity. It also inherent osteoconductive, osteoinductive, and osteogenic properties. Free fibular grafting should be a choice for long bone defect.