

## P 249

### LEG CONQUASATION TREATED WITH LOCAL FLAPS AND TOPICAL NEGATIVE PRESSURE

**Franjo Rudman**<sup>1</sup>, Zdenko Stanec<sup>1</sup>, Srećko Budi<sup>1</sup>, Rado Žic<sup>1</sup>, Rudolf Milanović<sup>1</sup>, Zlatko Vlajčić<sup>1</sup>.

<sup>1</sup>*Department for plastic surgery, University Hospital «Dubrava» (Zagreb, Croatia)*

It is a presentation a case of a complex leg injury caused by fall under harvester. There was complicated tibial and fibular fracture with massive loss of muscle and skin and injury of peroneal vessel. Initially radical wound debridement, bone stabilization with external fixation, reconstruction of peroneal vessel and coverage of denuded bone with local muscle flaps was preformed. Furthermore most of the defect was primarily covered with split thickness skin graft. In distal part of leg large defect of soft tissue persisted. 5 days later topical negative pressure was applied over the subsequent skin and soft tissue defect. After three weeks defect in distal part of leg was filled with thick granulation tissue and split thickness skin graft was applied.

A month after injury there was complete healing of all soft tissue, bone healing was prolonged because of bone infection that was controlled with successive orthopaedic procedure.

Topical negative pressure alone or in combination with other reconstructive techniques can be utilized in acute treatment of mangled extremity with great success