

Case study

Courtesy of Dr. Lawrence X. Webb

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Clinical particulars

50-year-old female presented with bilateral high energy fractures due to a motor vehicle accident with prolonged extrication. The patient suffered from right open comminuted distal femoral fracture and tibial plateau fracture and left closed comminuted femoral shaft fracture.

Treatment

Day 1: Irrigation and debridement of the right femur was carried out along with placement of a large external fixator bridge for temporary stabilization. The left femur was stabilized using a retrograde IM nail locked statically with screws.

Day 3: The external fixator bridge was removed and open reduction internal fixation was performed on the distal right femur. STIMULAN, cancellous allograft and demineralized bone were used to fill a significant bone deficit just above the femoral condyles. Antibiotic treatment was provided to prevent infection. Open reduction internal fixation was carried out for the tibial plateau fracture supplemented with the use of cancellous allograft.

Outcomes

4 months after treatment STIMULAN had absorbed and there was complete healing of the femoral defect. At 1 year follow-up the patient was fully independently ambulatory with a normal gait, normal range of motion and no pain.

For indications, contraindications, warnings and precautions see Instructions for Use. Concurrent use of locally administered antibiotics may affect setting time. This brochure may include the use of STIMULAN or techniques that go beyond the current clearance/approval granted by the relevant regulatory authority. Please contact your local representative for further information.

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Patents granted: GB2367552, EP 1204599 B1, US 6780391, EP 2594231 B1, US 8883063, CN ZL201210466117.X, GB2496710, EP 3058899 B1, US 10390954, US 10,588,748, CN ZL201610089710.5
Patents pending: GB1502655.2, GB1704688.9, EP 18275044.8, US 15/933936, CN 108619579A



Day 1 – Post-operative
Right leg



Day 1 – Post-operative
Right leg



Day 1 – Post-operative
Left leg



Day 3 – Post-operative
Right leg



4 months – Right leg



1 year – Right leg



1 year – Left leg