

Abstract

Replantation of a Distal Lower Leg in an Elderly Patient After Retrieval of the Limb from Seawater Immersion

Sang Hyun Woo, M.D., Kyoung Sok Oh, M.D.

Department of Plastic & Reconstructive Surgery, School of Medicine, Yeungnam University, Taegu, Korea

A case of distal lower leg replantation, in an elderly patient, was successfully performed after retrieval of the amputated limb from 3 hours of immersion in seawater. Due to the patient's age, bony union was delayed and functional nerve recovery was unsatisfactory. After massive saline irrigation of the amputated part, employing a catheter through the main artery, as well as, prophylactic antibiotics to prevent infection by *Aeromonas*, there were no postoperative complications. Despite the issue of age, immersion of an amputated part into seawater is not a contraindication of replantation.

Key Words : Replantation, Leg, Elderly patient, Seawater immersion

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가 가 가 가 가

가 3 3.5 2 3 2
 5 (tibial nerve), (deep peroneal nerve)
 (Fig. 1-A, B). (sural nerve)
 2cm , 7
 May-bone plate , 5 marrow plate
 (Fig. 1-C).
 2 , 3
 (lateral malleolus) 5cm 3
 (anterior tibial artery) , 5 , 13

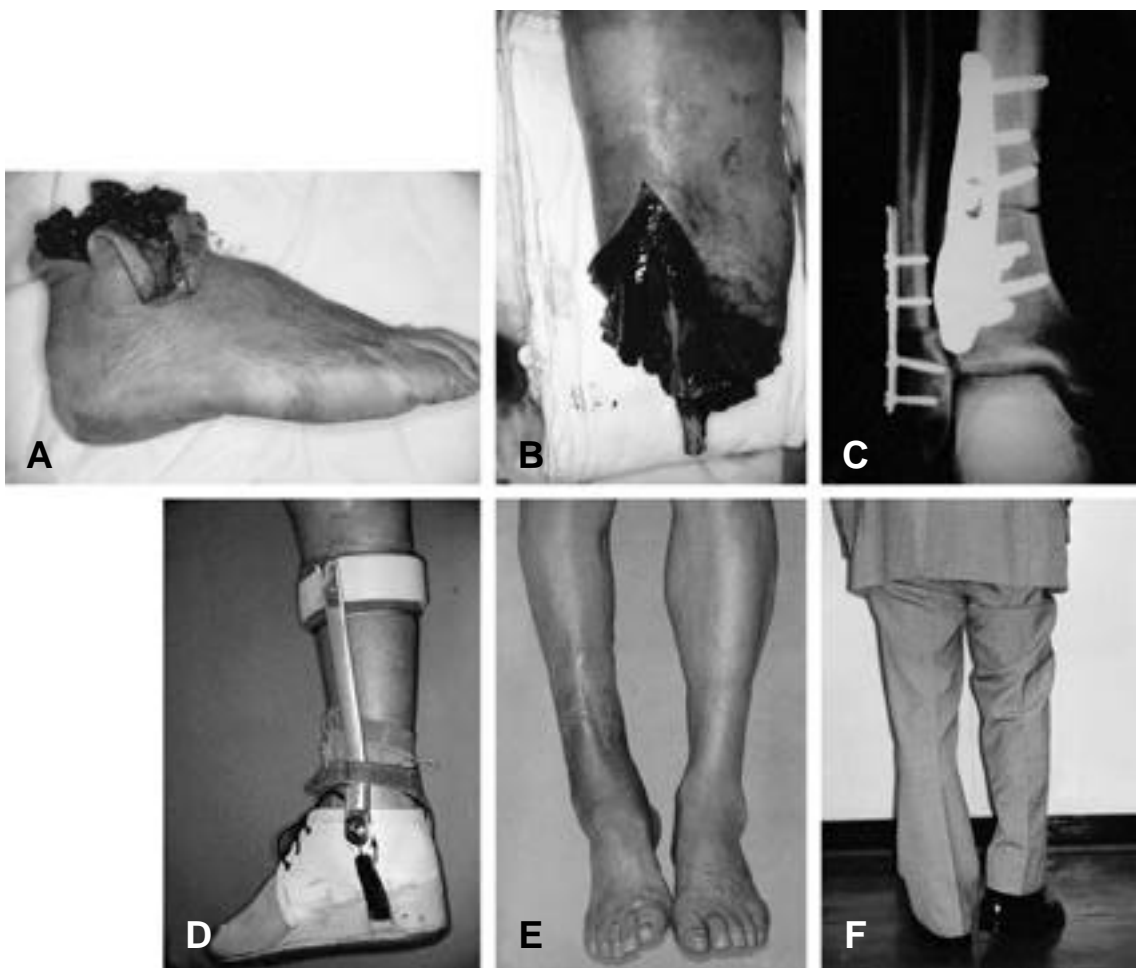


Fig. 1-A, B. Preoperative view of the proximal stump of the right lower leg and the foot. **C.** Bone fixation of the tibia and fibula. **D.** Brace of the heel pad for correction of the shortened leg. **E, F.** Postoperative 3 year and 6 months view.

PG-E1 1
 , 2 3 가
 . 2 가
 3
 4 10 2 가 가
 (moderate
 dorsiflexion)
 4 10 3
 15°/60° , 20mm 가
 가 가
 10m (2
 (Fig. 1-D))
 가
 (cold intolerance) (Aeromonas species)
 (Fig. 1-E, F).

가
 가 가 가⁵⁾
 가 가
 가^{1,3)}
 가⁶⁾ 가 , 73
 가 가 3
 가
 Yuksel 2000⁸⁾
 22 16 가 syndrome)⁷⁾ (post-ischemia
 가 (multiple organ failure)

가 (K⁺)

1~2

가

(myoglobinuria)

(osmotic diuretics)

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 가
 2). 6 가
 100% , 11~15
 40%, 15
 (4)
 18~24
 4 ℃

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