Composite ALT Perforator Flap with Tendon Transfer for Soft Tissue Heel Defect including Achilles’ Tendon Loss

Dong-Geun Lee, MD, PhD, LFIBA,
Department of Plastic and Reconstructive Surgery, College of Medicine, Chungbuk National University, Korea

Introduction
Soft tissue defect of the heel is caused by several causes, such as trauma and tumor. Especially in traumatic case of the heel defect, the difficulty of the reconstructive problems is that composite tissue problems often present such as soft tissue and Achilles’ tendon defect.

Materials & Methods
The patient was a 54-year-old man with right tibiofibular open fractures having a wide soft tissue defect and crushing injury on foot including posterior heel composite tissue defect.
As the reconstruction method, I used microsurgical composite ALT perforator flap with tendon transfer using fascia lata. The dimension of the flap was 4 X 6 centimeters sized.
The dimension of the transferred fascia lata was 9 X 6 centimeters sized. Before the tendon transfer, the fascia lata was rolled to provide a more strength as a tendon.

Results

Discussion
In soft tissue heel defect including the Achilles’ tendon loss, I believe that this method will be one of the best choice.