

عنوان مقاله:

Effectiveness of the Gastrocnemius Flap for Coverage of Soft Tissue Defects in Leg with Emphasis on the Distal Third

محل انتشار:

مجله استخوان و جراحی عمومی، دوره 3، شماره 3 (سال: 1394)

تعداد صفحات اصل مقاله: 5

نویسندگان:

Ali Karbalaiekhani - *Hand and Plastic Surgery Department, Emam Reza Hospital, AJA University of Medical Sciences, Tehran, Iran*

Alireza Saied - *Kerman Neuroscience Research Center, Kerman University of Medical Sciences, Kerman, Iran*

Afshin Heshmati - *Kerman Neuroscience Research Center, Kerman University of Medical Sciences, Kerman, Iran*

خلاصه مقاله:

Background: The standard methods for reconstruction of soft tissue defects in the leg include gastrocnemius flap for proximal third defects, soleus flap for middle third and free flap in the distal third. However, there are problems with the use of free flap, like increased operative time, damage of major vessels and the need for experienced microsurgeon. Methods: This prospective study was undertaken on ۲۳ patients (۲۰ male and ۳ female) with the mean age ۳۲.۱۳ years (۱۴ to ۶۵). This group consisted of all of the patients referred to Dr Bahonar Hospital, Kerman with soft tissue defects between April ۲۰۱۱ and April ۲۰۱۲ and would give informed consent for participation in the study and treatment of the defect with muscle flaps. ۸ patients with proximal third defects were treated with gastrocnemius flap, ۴ with middle third defects with soleus flap and ۳ with reverse soleus flap and ۸ with distal third defects with reverse soleus flap. The patients were followed up for at least ۱ year. Finally the results were analyzed by SPSS ۱۶. Results: In patients with soft tissue defect in proximal and middle third of leg repair was successful in all. In ۵ patients with soft tissue defect in distal third of leg repair was complete but in ۳ of them flap failure was seen. Overall success rate for reverse soleous flap was ۷۲.۷%. Conclusion: The success rate of the flap for the upper and lower thirds was similar to other studies and seems that this is the standard method. In the distal third defects the reverse soleous flap failed in ۳ cases and it seems that preoperative investigations such as angiography must be performed before embarking on such a procedure.

کلمات کلیدی:

Gastrocnemius, Muscle flap, Reconstruction, Soleus

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1386989>



