

Moderne Verfahren beim Lymphödem

Der modifizierte freie vaskularisierte submentale Lymphknoten-Transfer

DIMITRIOS A. TAKAS, MATTHIAS REICHENBERGER, JULIAN ERNST, GÜNTER GERMANN
HEIDELBERG

1. Cella DF, Tulsy DS, Gray G, et al (1993) The functional assessment of cancer therapy scale: development and validation of the general measure. *J Clin Oncol* 11: 570–579
2. Levi B., Glotzbach JP, Sorkin M, et al (2013) Molecular analysis and differentiation capacity of adipose-derived stem cells from lymphedema tissue. *Plast Reconstr Surg* 132: 580–589
3. Gesellschaft Deutschsprachiger Lymphologen – GDL (2017) S2k Leitlinie „Diagnostik und Therapie der Lymphödeme“ AWMF Reg.-Nr. 058-001. https://www.awmf.org/uploads/tx_szleitlinien/058-001_S2k_Diagnostik_und_Therapie_der_Lymphoedeme_2017-05.pdf
4. Dale RF (1985) The inheritance of primary lymphoedema. *J Med Genet* 22: 274–278
5. Smeltzer DM, Stickler GB, Schirger A (1985) Primary lymphedema in children and adolescents: a follow-up study and review. *Pediatrics* 76: 206–218
6. Neuhüttler S, Brenner E (2003) Beitrag zur Epidemiologie des Lymphödems. *Phlebologie* 35: 181–187
7. DiSipio T, Rye S, Newman B, Hayes S (2013) Incidence of unilateral arm lymphoedema after breast cancer: a systematic review and meta-analysis. *Lancet Oncol* 14: 500–515
8. Engel H, Giessler GA (2017) Neue Therapieansätze beim Lymphödem. *Orthop Technik* 11: 44–48
9. Yamamoto T, Narushima M, Doi K, et al (2011) Characteristic indocyanine green lymphography findings in lower extremity lymphedema: the generation of a novel lymphedema severity staging system using dermal backflow patterns. *Plast Reconstr Surg* 127: 1979–1986
10. Baumeister RGH (2017) Management des Lymphödems. *Dtsch Med Wochenschr* 142: 1790–1794
11. Ly CL, Kataru R, Mehrara BJ (2017) Inflammatory manifestations of lymphedema. *Int J Mol Sci* 18: 171
12. Brorson H (2016) Liposuction in lymphedema treatment. *J Reconstr Microsurg* 31: 56–65
13. Hadamitzky C, Radtke C, Vogt PM (2014) Die Chirurgie des Lymphödems. In: Was gibt es Neues in der Chirurgie? Jahressband 2014. ecomed, Landsberg, S 275–284
14. Weiss M, Baumeister RG, Hahn K (2003) Dynamic lymph flow imaging in patients with oedema of the lower limb for evaluation of the functional outcome after autologous lymph vessel transplantation: an 8-year follow-up study. *Eur J Nucl Med Mol Imaging* 30: 202–206
15. Scaglioni MF, Arvanitakis M, Chen YC, et al (2018) Comprehensive review of vascularized lymph node transfers for lymphedema: outcomes and complications. *Microsurgery* 38: 222–229
16. Pappalardo M, Patel K, Cheng MH (2018) Vascularized lymph node transfer for treatment of extremity lymphedema: an overview of current controversies regarding donor sites, recipient sites and outcomes. *J Surg Oncol* 117: 1420–1431
17. Cheng MH, Huang JJ, Nguyen DH, et al (2012) A novel approach to the treatment of lower extremity lymphedema by transferring a vascularized submental lymph node flap to the ankle. *Gynecol Oncol* 126: 93–98
18. Engel H, Lin CY, Huang JJ, Cheng MH (2017) Outcomes of lymphedema microsurgery for breast cancer-related lymphedema with or without microvascular breast reconstruction. *Ann Surg.* doi: 10.1097/SLA.0000000000002322 [Epub ahead of print]