

Der Präfabrizierte Radialislappen zur sekundären Rekonstruktion von Unterkieferdefekten nach Radiochemotherapie

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Literatur:

1. Brown JS, Magennis P, Rogers SN, Cawood JI, Howell R, Vaughan ED. Trends in head and neck microvascular reconstructive surgery in Liverpool (1992–2001). *Br J Oral Maxillofac Surg* 2006; 44: 364–370.
2. Lyons AJ. Perforator flaps in head and neck surgery. *Int J Oral Maxillofac Surg* 2006; 35: 199–207.
3. Yokoo S, Komori T, Furudoi S, et al. Indications for vascularized free rectus abdominis musculocutaneous flap in oromandibular region in terms of efficiency of anterior rectus sheath. *Microsurgery* 2003; 23: 96–102.
4. Yokoo S, Komori T, Furudoi S, et al. Three-dimensional reconstruction after oral oncologic surgery using single free radial forearm flaps or free rectus abdominis musculocutaneous flaps. *J Oral Sci* 2004; 46: 65–70.
5. Savant DN, Patel SG, Verghese T, Bhathena HM, Kavarana NM. Reconstruction of the mandible with vascularized iliac crest flap-initial experience at the Tata Memorial Hospital. *Acta Chir Plast* 1995; 37: 35–39.
6. Shah JP, Gil Z. Current concepts in management of oral cancer surgery. *Oral Oncol* 2009; 45: 394–401.
7. Markwardt J, Pfeifer G, Eckelt U, Reitemeier B. Analysis of complications after reconstruction of bone defects involving complete mandibular resection using finite element modelling. *Onkologie* 2007; 30: 121–126.
8. Babovic S, Johnson CH, Finical SJ. Free fibula donor-site morbidity: the Mayo experience with 100 consecutive harvests. *J Reconstr Microsurg* 2000; 16: 107–110.
9. Shindo M, Fong BP, Funk GF, Karnell LH. The fibula osteocutaneous flap in head and neck reconstruction: a critical evaluation of donor site morbidity. *Arch Otolaryngol Head Neck Surg* 2000; 126: 1467–1472.
10. Garrett A, Ducic Y, Athre RS, Motley T, Carpenter B. Evaluation of fibula free flap donor site morbidity. *Am J Otolaryngol* 2006; 27: 29–32.
11. Toschka H, Feifel H, Erli H-J, Minkenberg R, Paar O, Riediger D. Aesthetic and functional results of harvesting radial forearm flap, especially with regard to hand function. *Int J Oral Maxillofacial Surg* 2001; 30: 42–48.
12. Swan MC, Goodacre TE. Morbidity at the iliac crest donor site following bone grafting of the cleft alveolus. *Br J Oral Maxillofac Surg* 2006; 44: 129–133.
13. Novak CB, Lipa JE, Noria S, Allison K, Neligan PC, Gilbert RW. Comparison of anterolateral thigh and radial forearm free flap donor site morbidity. *Microsurgery* 2007; 27: 651–654.
14. de Witt CA, de Bree R, Verdonck-de Leeuw IM, Quak JJ, Leemans CR. Donor site morbidity of the fasciocutaneous radial forearm flap: what does the patient really bother? *Eur Arch Otorhinolaryngol* 2007; 264: 929–934.
15. Militsakh ON, Werle A, Mohyuddin N, et al. Comparison of radial forearm with fibula and scapula osteocutaneous free flaps for oromandibular reconstruction. *Arch Otolaryngol Head Neck Surg* 2005; 131: 571–575.
16. Collyer J, Goodger NM. The composite radial forearm free flap: an anatomical guide to harvesting the radius. *Br J Oral Maxillofac Surg* 2005; 43: 205–209.
17. Millesi W, Rath T, Millesi-Schobel G, Glaser C. Reconstruction of the floor of the mouth with a fascial radial forearm flap, prelaminated with autologous mucosa. *Int J Oral Maxillofac Surg* 1998; 27: 106–110.
18. Rath T, Millesi W, Millesi-Schobel G, Lang S. Mucosal prelamination of a radial forearm flap for intraoral reconstruction. *J Reconstr Microsurg* 1997; 13: 507–513.
19. Lauer G, Schimming R, Gellrich NC, Schmelzeisen R. Prelaminating the fascial radial forearm flap by using tissue-engineered mucosa: improvement of donor and recipient sites. *Plast Reconstr Surg* 2001; 108: 1564–1572; Discussion 1573–1575.
20. Casabona F, Martin I, Muraglia A, et al. Prefabricated engineered bone flaps: an experimental model of tissue reconstruction in plastic surgery. *Plast Reconstr Surg* 1998; 101: 577–581.
21. Gill DR, Ireland DC, Hurley JV, Morrison WA. The prefabrication of a bone graft in a rat model. *J Hand Surg [Am]* 1998; 23: 312–321.
22. Schliephake H, Langner M. Reconstruction of the mandible by prefabricated autogenous bone grafts. An experimental study in minipigs. *Int J Oral Maxillofac Surg* 1997; 26: 244–252.

23. Bhathena HM. Microvascular flaps in head and neck reconstruction. *Head Neck* 1990; 12: 529.
24. Morais-Besteiro J, Cernea CR, dos Santos LR, Brandao LG, Ferreira MC, Ferraz AR. Microvascular flaps in head and neck reconstruction. *Head Neck* 1990; 12: 21–30.
25. Jacobson AS, Eloy JA, Park E, Roman B, Genden EM. Vessel-depleted neck: techniques for achieving microvascular reconstruction. *Head Neck* 2008; 30: 201–207.
26. Villaret DB, Futran NA. The indications and outcomes in the use of osteocutaneous radial forearm free flap. *Head Neck* 2003; 25: 475–481.
27. Waits CA, Toby EB, Girod DA, Tsue TT. Osteocutaneous radial forearm free flap: Longterm radiographic evaluation of donor site morbidity after prophylactic plating of radius. *J Reconstr Microsurg* 2007; 23: 367–372.
28. Warnke PH, Springer IN, Wiltfang J, et al. Growth and transplantation of a custom vascularised bone graft in a man. *Lancet* 2004; 364: 766–770.
29. Warnke PH, Wiltfang J, Springer I, et al. Man as living bioreactor: fate of an exogenously prepared customized tissue-engineered mandible. *Biomaterials* 2006; 27: 3163–3167.
30. Lutz BS, Wei FC. Microsurgical workhorse flaps in head and neck reconstruction. *Clin Plast Surg* 2005; 32: 421–430.
31. Lawson W, Biller HF. Mandibular reconstruction: bone graft techniques. *Otolaryngol Head Neck Surg* 1982; 90: 589–594.
32. Tessier P, Kawamoto H, Matthews D, et al. Taking bone grafts from the anterior and posterior ilium—tools and techniques. II. A 6800-case experience in maxillofacial and craniofacial surgery. *Plast Reconstr Surg* 2005; 116 (5 Suppl): 25S–37S.