

Galip Zihni Sanus · Taner Tanrıverdi
Ali Metin Kafadar · Mustafa Onur Ulu · Mustafa Uzan

Use of Cortoss for reconstruction of anterior cranial base: a preliminary clinical experience

Published online: 27 October 2005
© Springer-Verlag 2005

Keywords Cerebrospinal fluid fistula · Cortoss · Methacrylate · Skull base reconstruction

Eur J Plast Surg (2004) 27:371–377

The references appeared without the numbers corresponding to the citations in the text. The correct reference list is given here.

References

1. Badie B, Preston JK, Hartig GK (2000) Use of titanium mesh for reconstruction of large anterior cranial base defects. *J Neurosurg* 93:711–714
2. Bowman CN, Peppas NA (1991) Coupling kinetics and volume relaxation during polymerizations of multiacrylates and multimethacrylates. *Macromolecules* 24:1914–1920
3. Bronson JG (2003) Tissue transplantation and engineering: what is happening? *Orthop Technol Rev* 5(5). <http://www.orthopedictechreview.com>
4. Costantino PD, Friedman CD, Jones K, Chow LC, Sisson GA (1992) Experimental hydroxyapatite cement cranioplasty. *Plast Reconstr Surg* 90:174–185
5. Costantino PD, Friedman CD, Jones K, Chow LC, Pelzer HJ, Sisson GA (1999) Hydroxyapatite cement, I: basic chemistry and histologic properties. *Arch Otolaryngol Head Neck Surg* 117:379–384
6. Costantino PD, Chaplin JM, Wolpo ME et al. (2000) Applications of fast-setting hydroxyapatite cement: cranioplasty. *Otolaryngol Head Neck Surg* 123:409–412
7. Costantino PD, Hiltzik DH, Sen C et al. (2001) Sphenoethmoid cerebrospinal fluid leak repair with hydroxyapatite cement. *Arch Otolaryngol Head Neck Surg* 127:588–593
8. Deramond H, Depriester C, Galibert P, Le Gars D (1998) Percutaneous vertebroplasty with polymethylmethacrylate, technique, indications, and results. *Radiol Clin N Am* 36:533–546
9. Erbe EM, Clineff TD, Gualtieri G (2001) Comparison of a new bisphenol-a-glycidyl dimethacrylate-based cortical bone void filler polymethyl methacrylate. *Eur Spine J* 10:S147–S152
10. Goel A, Gupta S (2000) Reconstruction of the skull base: a review of personal technique. *Neurol India* 48:208–215
11. Jackson IT, Adham NM, Marsh WR (1986) Use of the galea frontalis myofacial flap in craniofacial surgery. *Plast Reconstr Surg* 77:905–910
12. Jones NF, Sekar LN, Schramm VL (1986) Free rectus abdominis muscle flap reconstruction of the middle and posterior cranial base. *Plast Reconstr Surg* 78:471–477
13. Kawanabe K, Tamura J, Yamamoto T, Nakamura T, Kokubo T, Yoshihara S (1993) A new bioactive bone cement consisting of bis-GMA resin and bioactive glass powder. *J Appl Biomater* 4:135–141
14. Kawaura M, Nameki H, Fujii M, Kanzaki J (1997) Use of vertical median forehead flap in the reconstruction of the anterior skull base: report of two cases. *Auris Nasus Larynx* 24:379–383
15. Kobayashi M, Nakamura T, Tamura J, Kikutani T, Nishiguchi S, Mousa WF, Takahashi M, Kokubo T (1999) Osteoconductivity and bone-bonding strength of high- and low-viscous bioactive bone cements. *J Biomed Mater Res (Appl Biomater)* 48:265–276
16. Krishman KG, Winkler PA, Müller A, Grevers G, Steiger HJ (2000) Closure of recurrent frontal skull base defects with vascularized flaps: a technical report. *Acta Neurochir (Wien)* 142:1353–1358
17. Mathur K, Tatum SA, Kellman RM (2003) Carbonated apatite and hydroxyapatite in craniofacial reconstruction. *Arch Facial Plast Surg* 5:379–383
18. Mori K, Nakajima M, Maeda M (2003) Simple reconstruction of frontal sinus opened during craniotomy using small autogenous bone piece: technical note. *Surg Neurol* 60:326–328
19. Pomrlink GJ, DiCicco MP, Clineff TD, Erbe EM (2003) Evaluation of the reaction kinetics of Cortoss, a thermoset cortical bone void filler. *Biomaterials* 24:1023–1031
20. Price JC, Loury M, Carson B, et al. (1998) The pericranial flap for reconstruction of anterior skull base defects. *Laryngoscope* 98:1159–1164
21. Ross DA, Marentette LJ, Thompson G, Haller J (1999) Use of bone cement to prevent cerebrospinal fluid leakage through the frontal sinus: technical report. *Neurosurgery* 45:401–403

The online version of the original article can be found at <http://dx.doi.org/10.1007/s00238-004-0711-1>

G. Z. Sanus (✉) · T. Tanrıverdi · A. M. Kafadar

M. O. Ulu · M. Uzan

Department of Neurosurgery, Istanbul University Cerrahpaşa Medical Faculty, P.K. 16, Cerrahpaşa, İstanbul, 34301, Turkey
E-mail: sanus@istanbul.edu.tr

Tel.: +90-212-4143427

Fax: +90-212-4143427

22. Senyuva C, Yucel A, Okur I, Cansiz H, Sanus GZ (1996) Free rectus abdominis muscle flap for the treatment of complications after neurosurgical procedures. *J Craniofac Surg* 7(4):317–321
23. Shindo ML, Costantino PD, Friedman CD, Chow JC (1993) Facial skeletal augmentation using hydroxyapatite cement. *Arch Otolaryngol Head Neck Surg* 119:185–190
24. Weissman JL, Synderman CH, Hirsch BE (1996) Hydroxyapatite cement to repair skull base defects: radiologic appearance. *Am J Neuroradiol* 17:1569–1574
25. Yamamuro T, Nakamura T, Iida H, Kawanabe K, Matsuda Y, Ido K, Tamura J, Senaha Y (1998) Development of bioactive bone cement and its clinical applications. *Biomaterials* 19:1479–1482