

# Virtuelle Operationsplanung

**Effizienz und Präzision für die orthognathe Chirurgie. Ein Beitrag von Peter B. Franco, DMD, und Brian B. Farrell, DDS, MD.**

## VII: References

- McCormick S, Drew S: *Virtual model surgery for efficient planning and surgical performance*. J Oral Maxillofac Surg 69:638-644, 2011
- Xia J, Gateno J, Teichgraeber J: *Three-dimensional computer-aided surgical simulation for maxillofacial surgery*. Atlas Oral Maxillofac Surg Clinics 13:25-39, 2005
- Bell WH (ed): *Surgical correction of dentofacial deformities*. Philadelphia, 1980, WB Saunders.
- Bell WH (ed): *Modern practice in orthognathic and reconstructive surgery*. Philadelphia, 1992, WB Saunders.
- Bell, RB, Bagheri SC, Ali Khan H. (ed) *Current Therapy in Oral and Maxillofacial Surgery, Chapter 74: Computer Aided Surgical Simulation in Orthognathic Surgery*; Xia JJ, Teichgraeber J, Gateno J. St. Louis, 2012, WB Saunders
- Tucker MR: *Rigid fixation for maxillofacial surgery*. Philadelphia, 1991, Lippincott
- Gelesko S, Markiewicz M, Weimer K, Bell R: *Computer-aided orthognathic surgery*. Atlas Oral Maxillofac Surg Clin N Am 20:107-118, 2012
- Levine JP, Patel A, Saadeh PB, Hirsch DL. *Computer-aided design and manufacturing in craniomaxillofacial surgery: the new state of the art*. J Craniofac Surg. 2012 Jan;23(1):288-93
- Orentlicher G, Goldsmith D, Abboud M, *Computer-Guided Planning and Placement of Dental Implants*. Oral Maxillofacial Surg Clin N Am 20 (2012) 53–79
- Haq J, Patel N, Weimer K, Matthews NS. *Single stage treatment of ankylosis of the temporomandibular joint using patient-specific total joint replacement and virtual surgical planning*. Br J Oral Maxillofac Surg. 2014 Apr;52(4):350-5
- Tepper OM, Sorice S, Hershman GN, Saadeh P, Levine JP, Hirsch D. *Use of virtual 3-dimensional surgery in post-traumatic craniomaxillofacial reconstruction*. J Oral Maxillofac Surg. 2011 Mar;69(3):733-41.
- Broer PN, Tanna N, Franco PB, Thanik VD, Levine SM, Garfein ES, Saadeh PB, Ceradini DJ, Hirsch DL, Levine JP. *Ten-year evolution utilizing computer-assisted reconstruction for giant ameloblastoma*. J Reconstr Microsurg. 2013 Mar;29(3):173- 80.
- Hirsch DL, Garfein ES, Christensen AM, Weimer KA, Saddeh PB, Levine JP. *Use of computer-aided design and computer-aided manufacturing to produce orthognathically ideal surgical outcomes: a paradigm shift in head and neck reconstruction*. J Oral Maxillofac Surg. 2009 Oct;67(10):2115-22

Xia J, Gateno J, Teichgraeber J: *A new clinical protocol to evaluate cranio-maxillofacial deformity and to plan surgical correction.* J Oral Maxillofac Surg 67(10): 2093, 2009

Gateno J, Xia J, Teichgraeber J, Christensen A, Lemoine J, Liebschner M, Gliddon M, Briggs M: *Clinical feasibility of computer-aided surgical simulation in treatment of complex cranio-maxillofacial deformities.* J Oral Maxillofac Surg 65:728-734, 2007

Bobek SL, Farrell, BB, Farrell BB, Tucker MR. *Simplified Protocol of Virtual Surgical Planning for Orthognathic Surgery.* J Oral Maxillofac Surg Volume 70, Issue 9, Supplement 2, Pages e68–e69, September 2012

Damstra J. etal. *Simple technique to achieve a natural position of the head for cone beam computed tomography.* BJOMS 48(210)236-238

Narra N, Valasek J, Hannula M, Marcian P, Sandor G, Hyttinen J, Wolff J. *Finite Element analysis of customized reconstruction plates for mandibular continuity defect therapy.* Journal of Biomechanics 47 (2014) 264-268

Polley JW, Figueroa AA. *Orthognathic Positioning System: Intraoperative System to transfer virtual surgical plan to operating field during Orthognathic Surgery.* J Oral Maxillofac Surg 71:911-920, 2013

Gateno J, Xia J, Teichgraeber J: *The precision of computer generated surgical splints.* J Oral Maxillofac Surg 61:814-817, 2003

Xia J, Phillips C, Gateno J, Teichgraeber J, Christensen A, Lasky R, Lemoine J, Liebschner M: *Accuracy of a Computer-Aided Surgical Simulation (CASS) System in the treatment of complex cranio-maxillofacial deformities.* J Oral Maxillofac Surg 65(12): 248-254, 2007

Xia J, Sheychenko L, Gateno J, Teichgraeber J, Taylor T, Lasky R, English J, Kau C, Mcgrory K: *Outcome of computer-aided surgical simulation in the treatment of patient with craniomaxillofacial deformities.* J Oral Maxillofac Surg 69(7): 2014-2024, 2011

Hsu S, Gateno J, Bell R, Hirsch D, Markiewicz M, Teichgraeber H, Zhou X, Xia J: *Accuracy of a computer-aided surgical simulation protocol for orthognathic surgery: a prospective multicenter study.* J Oral Maxillofac Surg 71(1): 128-142, 2013

Zinser MJ, Sailer HE, Ritter L, Braumann B, Maegele M, Zoller JE: *A paradigm shift in orthognathic surgery? A comparison of navigation, computer-aided designed/computer aided manufactured splints, and “classic” intermaxillary splints to surgical transfer of virtual orthognathic planning:* J Oral Maxillofac Surg 71:2151.e1-2513.21, 2013.