

CRANIAL SURGERY & RADIOTHERAPY

Huber, T.; Alber, G.; Bette, S.; Boeckh-Behrens, T.; Gempt, J.; Ringel, F. et al. (2017):

Reliability of Semi-Automated Segmentations in Glioblastoma.

In *Clinical neuroradiology* 27 (2), pp. 153–161

DOI: <https://doi.org/10.1007/s00062-015-0471-2> | PubMed: <https://www.ncbi.nlm.nih.gov/pubmed/26490369>

Porz, Nicole; Habegger, Simon; Meier, Raphael; Verma, Rajeev; Jilch, Astrid; Fichtner, Jens et al. (2016):

Fully Automated Enhanced Tumor Compartmentalization: Man vs. Machine Reloaded.

In *PloS one* 11 (11), e0165302

DOI: <https://doi.org/10.1371/journal.pone.0165302> | PubMed: <https://www.ncbi.nlm.nih.gov/pubmed/27806121>

Huber, Thomas; Alber, Georgina; Bette, Stefanie; Kaesmacher, Johannes; Boeckh-Behrens, Tobias; Gempt, Jens et al. (2017):

Progressive disease in glioblastoma: Benefits and limitations of semi-automated volumetry.

In *PloS one* 12 (2), e0173112

DOI: <https://doi.org/10.1371/journal.pone.0173112> | PubMed: <https://www.ncbi.nlm.nih.gov/pubmed/28245291>

Zhang, Fang; Hong, WenMing; Guo, Yan; Guo, QianYing; Hu, XiaoPeng (2016):

Multimodal Neuronavigation in Microsurgery Resection of BrainStem Tumors.

In *The Journal of craniofacial surgery* 27 (8), e769-e772

DOI: <https://doi.org/10.1097/SCS.0000000000003123> | PubMed: <https://www.ncbi.nlm.nih.gov/pubmed/28005818>

Dolati, Parviz; Golby, Alexandra; Eichberg, Daniel; Abolfotoh, Mohamad; Dunn, Ian F.; Mukundan, Srinivasan et al. (2015):

Pre-operative image-based segmentation of the cranial nerves and blood vessels in microvascular decompression: Can we prevent unnecessary explorations?

In *Clinical neurology and neurosurgery* 139, pp. 159–165

DOI: <https://doi.org/10.1016/j.clineuro.2015.10.006> | PubMed: <https://www.ncbi.nlm.nih.gov/pubmed/26476700>

CRANIOMAXILLOFACIAL SURGERY

Rana, Majeed; Modrow, Daniel; Keuchel, Jens; Chui, Christopher; Rana, Madiha; Wagner, Maximilian; Gellrich, Nils-Claudius (2015):

Development and evaluation of an automatic tumor segmentation tool: a comparison between automatic, semi-automatic and manual segmentation of mandibular odontogenic cysts and tumors.

In *Journal of cranio-maxillo-facial surgery : official publication of the European Association for Cranio-Maxillo-Facial Surgery* 43 (3), pp. 355–359
DOI: <https://doi.org/10.1016/j.jcms.2014.12.005> | PubMed: <https://www.ncbi.nlm.nih.gov/pubmed/25600025>

Stoetzer, Marcus; Nickel, Franziska; Rana, Majeed; Lemound, Juliana; Wenzel, Daniela; See, Constantin von; Gellrich, Nils-Claudius (2013):

Advances in assessing the volume of odontogenic cysts and tumors in the mandible: a retrospective clinical trial.

In *Head & Face Medicine* 9, p. 14

DOI: <https://doi.org/10.1186/1746-160X-9-14> | PubMed: <https://www.ncbi.nlm.nih.gov/pubmed/23601144>

Jansen, Jesper; Schreurs, Ruud; Dubois, Leander; Maal, Thomas J. J.; Gooris, Peter J. J.; Becking, Alfred G. (2016):

Orbital volume analysis: validation of a semi-automatic software segmentation method.

In *International journal of computer assisted radiology and surgery* 11 (1), pp. 11–18

DOI: <https://doi.org/10.1007/s11548-015-1254-6> | PubMed: <https://www.ncbi.nlm.nih.gov/pubmed/26179220>

ENT

Lodder, W. L.; Dorgelo, B.; Lancaster, J.; Hanlon, R.; Wiesmann, H.; Bock, G. H. de; van der Laan, B. F. A. M. (2018):

Semi-automatic tumour volume measurements on MR-Imaging using smartbrush® in oropharyngeal carcinomas; our experience in 5 patients.

In *Clinical otolaryngology : official journal of ENT-UK ; official journal of Netherlands Society for Oto-Rhino-Laryngology & Cervico-Facial Surgery*
DOI: <https://doi.org/10.1111/coa.13097> | PubMed: <https://www.ncbi.nlm.nih.gov/pubmed/29543405>

SPINE

Saß, Benjamin; Bopp, Miriam; Nimsy, Christopher; Carl, Barbara (2019):

Navigated 3-Dimensional Intraoperative Ultrasound for Spine Surgery.

In *World neurosurgery* 131, e155-e169

DOI: <https://doi.org/10.1016/j.wneu.2019.07.188> | PubMed: <https://www.ncbi.nlm.nih.gov/pubmed/31376550>