

Literatur

Ist Röntgendiagnostik zur Behandlungsevaluation nach Implantation im Zeitalter der Digitalisierung überhaupt noch notwendig?

Dr. med. dent. Vasilios Alevizakos, Prof. Dr. Constantin von See

1. Vermeulen, J., The Accuracy of Implant Placement by Experienced Surgeons: Guided vs Freehand Approach in a Simulated Plastic Model. *Int J Oral Maxillofac Implants*, 2017. **32**(3): p. 617-624.
2. Bover-Ramos, F., et al., Accuracy of Implant Placement with Computer-Guided Surgery: A Systematic Review and Meta-Analysis Comparing Cadaver, Clinical, and In Vitro Studies. *Int J Oral Maxillofac Implants*, 2018. **33**(1): p. 101-115.
3. Van Assche, N., et al., Accuracy assessment of computer-assisted flapless implant placement in partial edentulism. *J Clin Periodontol*, 2010. **37**(4): p. 398-403.
4. Solar, P. and A. Gahleitner, Dental-CT zur Planung chirurgischer Eingriffe Bedeutung im oro-maxillofazialen Bereich aus zahnärztlicher Sicht. (German). *Der Radiologe*, 1999. **39**(12): p. 1051.
5. Ruppin, J., et al., Evaluation of the accuracy of three different computer-aided surgery systems in dental implantology: optical tracking vs. stereolithographic splint systems. *Clinical Oral Implants Research*, 2008. **19**(7): p. 709-716.
6. Di Giacomo, G.A., et al., Clinical application of stereolithographic surgical guides for implant placement: preliminary results. *J Periodontol*, 2005. **76**(4): p. 503-7.
7. Wittwer, G., et al., Computer-guided flapless transmucosal implant placement in the mandible: a new combination of two innovative techniques. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod*, 2006. **101**(6): p. 718-23.
8. Cohnen, M., et al., Radiation dose in dental radiology. *Eur Radiol*, 2002. **12**(3): p. 634-7.
9. Stopp, S. and T. Lüth, [A new X-ray-free measurement method for postoperative 3D-position analysis of navigated inserted implants]. *Biomedizinische Technik. Biomedical Engineering*, 2007. **52**(3): p. 234-242.
10. Nickenig, H.-J. and S. Eitner, An alternative method to match planned and achieved positions of implants, after virtual planning using cone-beam CT data and surgical guide templates--a method reducing patient radiation exposure (part I). *Journal Of Cranio-Maxillo-Facial Surgery: Official Publication Of The European Association For Cranio-Maxillo-Facial Surgery*, 2010. **38**(6): p. 436-440.
11. Stoetzer, M., et al., Nonradiological method for 3-dimensional implant position assessment using an intraoral scan: new method for postoperative implant control. *Implant Dent*, 2014. **23**(5): p. 612-6.
12. von See, C., et al., Non-radiological method for three-dimensional implant position evaluation using an intraoral scan method. *Clin Oral Implants Res*, 2014. **25**(9): p. 1091-3.