

Evaluation of surgically assisted rapid maxillary expansion with piezosurgery versus oscillating saw and chisel osteotomy - a randomized prospective trial. Majeed Rana, Nils-Claudius Gellrich, Madiha Rana, Jozsef Piffkó, and Wolfgang Kater. *Trials*. 2013; 14: 49.

Randomized clinical study comparing piezosurgery and conventional rotatory surgery in mandibular cyst enucleation. Pappalardo S, Guarnieri R. *J Craniomaxillofac Surg*. 2014 Jul;42(5):e80-5. doi: 10.1016/j.jcms.2013.06.013. Epub 2013 Aug 7.

A Split-Mouth Randomized Clinical Trial to Evaluate the Performance of Piezosurgery Compared With Traditional Technique in Lower Wisdom Tooth Removal. Edoardo Mantovani, DDS, Paolo Giacomo Arduino, DDS, MSc, Gianmario Schierano, MD, DMD, Luca Ferrero, MD, Giorgia Gallesio, DDS, Marco Mozzati, MD, DMD, Andrea Russo, DDS, Crispian Scully, MD, PhD, and Stefano Carossa, MD, DMD *J Oral Maxillofac Surg* 72:1890-1897, 2014.

THE COMPARISON IS WITH CONVENTIONAL INSTRUMENTS SUCH AS DRILLS AND SAWS; THIS HAS BEEN PROVEN IN SEVERAL STUDIES, INCLUDING:

- Healing of osteotomy sites applying either piezosurgery or two conventional saw blades: a pilot study in rabbits. Li Ma, Stefan Stubinger, Xi Ling Liu, Urs A. Schneider, Niklaus P. Lang. *Int Orthop*. 2013 Aug;37(8):1597-603. doi: 10.1007/s00264-013-1908-3. Epub 2013 Jun 22.
- Cytokines and growth factors involved in the osseointegration of oral titanium implants positioned using piezoelectric bone surgery versus a drill technique: a pilot study in minipigs. Preti G1, Martinasso G, Peirone B, Navone R, Manzella C, Muzio G, Russo C, Canuto RA, Schierano G. *J Periodontol*. 2007 Apr;78(4):716-22.

Over 15 years of research:

Vercellotti T. Piezoelectric Surgery in Implantology: A Case Report - A New Piezoelectric Ridge Expansion Technique. *Int J Periodontics Restorative Dent*. 2000; 20(4):359-365.