

# Six-Month Healing Success Rates after Endodontic Treatment Using the Novel GentleWave® System: the PURE Prospective Multi-Center Clinical Study

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## PURPOSE

This prospective multi-center (PURE) clinical study evaluated healing rates for molars after root canal treatment employing the GentleWave System. This study was led by Dr. Asgeir Sigurdsson and has been published in the Journal of Clinical and Experimental Dentistry (In Press; 2015).

## METHODS

Eighty-nine patients met the inclusion criteria and consented for this clinical study after referral for a root canal treatment.

All enrolled patients were treated with the GentleWave System. Five endodontists performed the clinical procedures and follow-up evaluations. Preoperative, intra-operative, and post-operative data were collected from the consented patients. Each patient was evaluated for clinical signs and symptoms. Two trained, blinded, and independent evaluators scored the subject tooth radiographs for apical periodontitis using the periapical index (PAI). Statistical analysis was performed.

## CONCLUSIONS

In this six-month PURE clinical study, the cumulative success rate of healing was 97.4% when patients were treated with the GentleWave System.

*Sigurdsson A et al., J Clin Exp Dent. 2016 (In Press)*

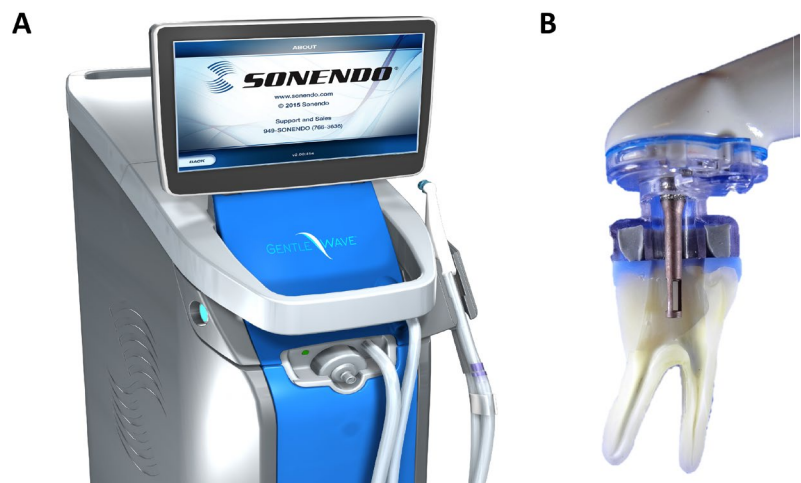


Figure 1. The figure shows (A) the GentleWave System and (B) the tip of the handpiece in the pulp chamber of a cross section of a molar.



26061 Merit Circle, Suite 102 | Laguna Hills, CA 92653  
sonendo.com | 949.SONENDO (766.3636) | info@sonendo.com