

References

- BÜRKLEIN S, MATHEY D, SCHÄFER E: Shaping ability of ProTaper NEXT and BT-RaCe nickel-titanium instruments in severely curved root canals. *Int Endod J* 48: 774-781 (2015)
- ÇELİK G, ÖZDEMİR KISACIK F, YILMAZ E F, MERSINLIOĞLU A, ERTUGRUL IF, ORHAN H: A comparative study of root canal shaping using protaper universal and protaper next rotary files in preclinical dental education. *PeerJ* 7: e7419 (2019)
- DAHLSTRÖM L, MOLANDER A, REIT C: The impact of a continuing education programme on the adoption of nickel-titanium rotary instrumentation and root-filling quality amongst a group of Swedish general dental practitioners. *Eur J Dent Educ* 19: 23-30 (2015)
- FATIMA S, KUMAR A, ANDRABI S M U N, MISHRA S K, TEWARI R K: Effect of apical third enlargement to different preparation sizes and tapers on postoperative pain and outcome of primary endodontic treatment: a prospective randomized clinical trial. *J Endod* 47: 1345-1351 (2021)
- HAAPASALO M, SHEN Y: Evolution of nickel-titanium instruments: from past to future. *Endod Topics* 29: 3-17 (2013)
- HASHEM A A, GHONEIM A G, LUTFY R A, FODA M Y, OMAR G A: Geometric analysis of root canals prepared by four rotary NiTi shaping systems. *J Endod* 38: 996-1000 (2012)
- JORDAL K, SKUDUTYTE-RYSSTAD R, SEN A, TORGERSEN G, Ø RSTAVIK D, SUNDE P T: Effects of an individualized training course on technical quality and periapical status of teeth treated endodontically by dentists in the Public Dental Service in Norway: An observational intervention study. *Int Endod J* 55: 240-251 (2022)
- KABIL E, KATIC M, ANIC I, BAGO I : Micro-computed evaluation of canal transportation and centering ability of 5 rotary and reciprocating systems with different metallurgical properties and surface treatments in curved root canals. *J Endod* 47: 477-484 (2021)
- LANDIS JR, KOCH GG. The measurement of observer agreement for categorical data. *Biometrics* 33: 159-174 (1977)
- MARENDING M, BIEL P, ATTIN T, ZEHNDER M: Comparison of two contemporary rotary systems in a pre-clinical student course setting. *Int Endod J* 49: 591-598 (2016)
- MOLANDER A, CAPLAN D, BERGENHOLTZ G, REIT C: Improved quality of root fillings provided by general dental practitioners educated in nickel-titanium rotary instrumentation. *Int Endod J* 40: 254-260 (2007)
- NG Y L, MANN V, RAHBARAN S, LEWSEY J, GULABIVALA K: Outcome of primary root canal treatment: systematic review of the literature - Part 2. Influence of clinical factors. *Int Endod J* 41: 6-31 (2008)
- RUBIO J, ZARZOSA J I, PALLARÉS A: Comparison of shaping ability of 10 rotary and reciprocating systems: an in vitro study with autocad. *Acta Stomatol Croat* 51: 207-216 (2017)
- SCHULZ K F, GRIMES D A: Case-control studies: research in reverse. *Lancet* 359: 431-434 (2002)
- SHIM K S, OH S, KUM K, KIM Y C, JEE K K, CHANG S W: Mechanical and metallurgical properties of various nickel-titanium rotary instruments. *Biomed Res Int* 2017: 4528601 (2017)
- SPILI P, PARASHOS P, MESSER H H: The impact of instrument fracture on outcome of endodontic treatment. *J Endod* 31: 845-850 (2005)
- STRINDBERG L Z: The dependence of the results of pulp therapy on certain factors; an analytic study based on radiographic and clinical follow-up examinations. *Acta Odontol Scand Suppl.* 21: 1-175 (1956)

THIESSEN M, ZEHNDER M, ATTIN T, MARENDING M: What happened to our former students five to six years after graduation? An endodontic teacher's perspective. *Swiss Dent J* 584-591 (2020)

WALIA H M, BRANTLEY W A, GERSTEIN H: An initial investigation of the bending and torsional properties of Nitinol root canal files. *J Endod* 14: 346-351 (1988)