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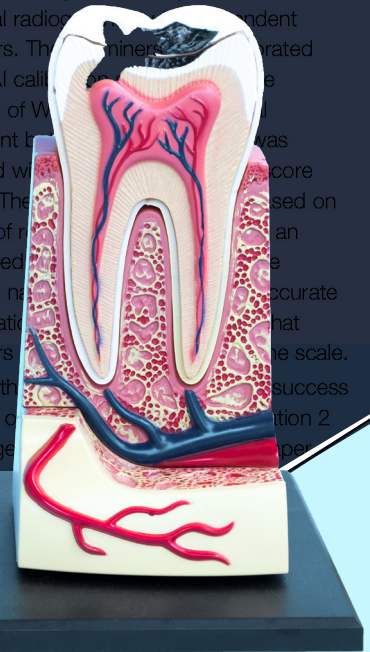
7th APEC & 12th TUMS International Online Endodontics Journal Club

“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”

Shazra Fatima, Ashok Kumar, Syed Mukhtar
Un Nisar Andrabi, Surendra Kumar Mishra,
Rajendra Kumar Tewari
doi: 10.1016/j.joen.2021.05.010
Sep. 2021

In the first phase, postoperative pain after biomechanical preparation was assessed. A statistically nonsignificant difference ($P > .05$) in postoperative pain was observed at time intervals of 1, 2, 4, 7, 14, 28, and 72 hours among various preparation sizes. In the second phase, the amount of infected debris extruded during medicament irrigation was significantly reduced in the 12/0 preparation size compared to the 10/0 preparation size.

assessment of periapical healing was performed using PAI scoring on intraoral periapical radiographs. Independent examiners evaluated the radiographs using PAI criteria. The inter-examiner agreement between the two examiners was observed with a kappa score = 0.78. The use of the established objective method for interpretation by independent examiners was successful. In this study, the success rate was 93.1% for the 12/0 preparation sizes larger than 10/0. The complication rate was 4% for the 12/0 preparation sizes larger than 10/0. (68%)



OCT 22nd
2021
13:00 GMT-16:30 IRST



S. Mukhtar N. Andrabi
(B.D.S., M.D.S., MJDF)
Aligarh Muslim University, India
Corresponding Author



Mohammad H. Nekoofar
(D.D.S., M.Sc., Ph.D.)
TUMS, Iran
Moderator



Shazra Fatima
(B.D.S., M.D.S.)
Aligarh Muslim University, India
First Author



Mahsa Nematnejad
(D.D.S.)
Islamic Azad University, Iran
Appraiser



For Further Information and Registration, Click Here

<http://appraisetoraise.tums.ac.ir>
appraisetoraise@tums.ac.ir
appraisetoraise@gmail.com

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