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IN-VIVO COMPARISON OF SEVERITY OF POSTOPERATIVE ENDODONTIC PAIN FOLLOWING SINGLE AND MULTIPLE VISITS IN SINGLE ROOTED TEETH USING VISUAL ANALOGUE SCALE IN CHHATTISGARH POPULATION

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Chhattisgarh state was established in year 2000, where more than 50 percent of the population is deprived of education due to low socioeconomic status and is unaware of the dental procedures. The only treatment option that comes to the mind of people in this area is extraction due to lack of knowledge, fear of pain, time taking root canal procedure and the cost. To explain, convince and motivate them to save a tooth by root canal treatment is a challenging task. So, by doing this research on large scale, the local dentists will gain confidence that they can also perform single visit root canal therapy in maximum cases. Thereby decreasing the appointment and save maximum number of teeth. 400 single rooted canals were used. Initial canal working length was established by using Root ZX Apex locator and an ISO size #15 stain less steel k-file. Working length was confirmed radio graphically by using RVG. Canal instrumentation was performed with Protaper Rotary file system and 1:16 gear reduction hand piece. 17 percent EDTA was used as a lubricant during instrumentation. MTAD was used for five minutes as final irrigant. Teeth in Group A were obturated at the same appointment using single cone obturation technique with gutta-percha points and AH-plus sealer. Teeth in Group B were filled with a paste of calcium hydroxide after completion of chemo mechanical preparation. Access cavities sealed with Cavit G. Patients in Group B were called for the second appointment one week later for the obturation. The patients were provided with modified visual analogue scale form and asked to mark the rating on the visual analogue scale depending on the intensity of pain at 1st, 3rd and 7th day after treatment. The purpose of this study was to evaluate and compare the incidence and severity of post-operative pain between single-and multiple visit root canal treatment in non-vital teeth in Chhattisgarh population.

BIOGRAPHY

Mahesh Motlani was post-graduated from Chhattisgarh Dental College and Research Institute in the Department of Conservative Dentistry and Endodontics in 2013. He has 5 Years 6 months of Teaching, Research, Training and Administration Experience. He has presented papers and posters in national and international platforms. He has 10 publications. Currently he is pursuing his PhD in Dental Science. He is the member of American Academy of Gold Foil Operators.

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