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A comparison of quality of obturation and instrumentation using two rotary file system with manual instrumentation in primary teeth

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The primary tooth plays a vital role in growth and development of the jaws. One of the most important concerns in pediatric dentistry is the premature loss, leading to space deficiency. Various pulp therapy techniques have been put forward for primary teeth with pulpal involvement. Endodontic treatment [cleaning and shaping] of the root canals of primary tooth poses a challenge for the clinician due to its morphology. The success of the pulpectomy depends on elimination of irritants by means of cleaning and shaping the root canal. The procedure for cleaning and shaping with conventional technique [K files] consumed more time and improper shaping of the canals and decreased volume of the obturating material. The evolution of rotary techniques and instruments has helped in overcoming these factors and provides an optimum shaping and obturation of the canal. The literature has shown improved canal preparation and changes in volume of the obturation with tapered files [PROTAPER and V Taper files] which uses more than one file. A new system Kedo S files [Single file technique] has been introduced which has shown some promising results in pediatric dentistry. With the introduction of new systems in field of rotary endodontics, the study aimed to compare and evaluate the clinical efficacy, canal preparation and volumetric filling using conventional files and two different rotary systems.

Biography

Satish Vishwanathaiah is currently working as an associate professor at Jazan University in Saudi Arabia

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