

Instrumentation of Irregularly Shaped Root Canals: Evidence Based Update

Ajinkya M Pawar

Nair Hospital Dental College, India

One of the main objectives of endodontic treatment is the thorough preparation of the root canal system and proper obturation for obtaining a three-dimensional seal. To achieve this goal, clinicians must have a comprehensive knowledge of the normal anatomy of the relevant root canal system and its common variations. Cross-sectional root canal configurations have been classified as round, oval, long oval, flattened, or irregular. The irregularly shaped canals should have a different approach regarding management compared with normal root canal configurations. The recognition of these canals determines that a different approach be applied in cleaning, shaping and obturation. It is difficult to prepare such root canals since their irregular shape make steady contact of the instruments with the canal walls a challenge. Circumferential filing movements allow improved contact with the canal wall, although this method does not always guarantee the preparation of the entire root canal. The aim of this presentation is to address the definition, prevalence, and treatment protocols for irregularly shaped canals.

Biography:

Dr. Ajinkya Pawar is a dedicated researcher and enthusiastic adopter of new technologies, which can improve treatment results both for doctors and patients. He has decided to dedicate his work life to broaden and expand his knowledge for Endodontics. In his young age he has already published 33 scientific studies in both National and International Journals indexed in PubMed, and a few more in press and under preparation, together with high ranked international researchers. He is passionate about learning new developments in Endodontics and he has travelled around the world pursuing this passion. For his excellence as a clinician and a researcher he has been acknowledged as the Best Endodontist in the year 2016, and India's Young Dental Researcher in 2017, respectively. He has completed his B.D.S from Padmashree Dr. D. Y. Patil Deemed University, Nerul, Navi-Mumbai and M.D.S was completed from Maharashtra University of Health Sciences, Nashik. He is currently working as an Assistant Professor in the Department of Conservative Dentistry and Endodontics, at the Nair Hospital Dental College, Mumbai.