

11<sup>th</sup> Asia Pacific Congress on

# Dental and Oral Health

July 25-27, 2016 Bangkok, Thailand

## Oval shaped root canal instrumentation: The 3-dimensional reality

**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 oval shaped canals should have a different approach regarding management compared with normal root canal configurations. The recognition of oval configurations determines that a different approach be applied in cleaning, shaping and obturation. It is difficult to prepare root canals with oval cross-sections 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 oval shaped canals.

### Biography

Ajinkya M 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 20 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. He has completed his BDS from Padmashree Dr. D Y Patil Deemed University, Nerul, Navi-Mumbai and MDS 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.

[ajinkya@drpawars.com](mailto:ajinkya@drpawars.com)**Notes:**