



## **Dr. Asmita Singh Gupta**

( IACDE Nominated)

Dr Asmita Singh Gupta - Graduation done from Sharad Pawar Dental College 2000-2005 Wardha Maharashtra. Post-graduation from SRM Dental college 2006-09 Chennai Tamilnadu. Associate professor (reader) in department of Conservative dentistry n endodontics in Rungta Dental College, Bhilai Chhattishgarh since 7 yrs. Youngest member of dental council n first female representative from tribal dominated chhattishgarh State since 2014 Feb.

Felicitated at FEMDENT dental conference at Indore. Conducting various workshops at different clgs for antirragging.

Contributed to text book of oral radiology 2nd edition for dental caries chapter.

### **Abstract:**

#### **Title: Unveiling of Lateral canals**

Lateral canals are the channels of communication between the main body of the root canal and the periodontal ligament space. They can arise anywhere along its length, at right angles to the main canal. The accessory canals are found in the apical few millimeters and forming the apical delta. Lateral canals are mainly located in the coronal or middle third of the root, which usually extend horizontally from the main canal.

Lateral canals are usually not visible in preoperative radiographs. The occurrences of lateral canals are usually suspected only when there is a localized thickening of the periodontal ligament on the lateral surface of the root or when a lateral periodontitis lesion is present. After root canal obturation, lateral canals can also be visualized on radiographs when a consistent amount of filling material is forced into the ramifications by compaction.

In this presentation, we will analyze how to do the effective irrigation of lateral canals with an antimicrobial solution and if there is any correlation between unfilled lateral canals and inflammation of the periodontal ligament.