





# "Rooted In Diversity : Exploring Ethnic and Racial Variations in Endodontic Practice"

### RACE

ce is a categorization of humans based on shared physical or social qualities into groups generally viewed as distinct within a given society

## Indian ethnicities

**"C" SHAPED CANALS** 

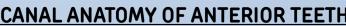
Northern India (Indo-Aryan) Southern India (Dravidian) Northeastern Tibeto-Burman and Mongoloid) Central and tribal regions (Adivasi/Indigenous)

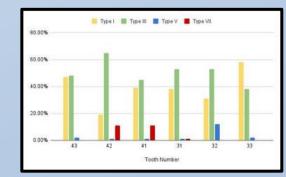
Name or researcher	Tooth	Variations	Genaer
AJINKYA PAWAR (2017)	Mandibular second molar	c shaped canals with fused roots	_
VELMURUGAN (2008)	mandibular first premolar	72% type 1 vertucci classification	_
SHISHIR SINGH (2020)	mandibular molars	2 roots 3 canals with intercanal communication	_
JOJO KOTTOOR (2013)	mandibular premolars	80% type 1 vertucci classification less than 1% C shaped	<b>✓</b>



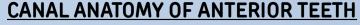
MANDIBULAR MOLARS

MIDDLE DISTAL CANAL













# **Methodologies to** evaluate this variations??

- Cadaver teeth or extracted teeth - caliper and internal structures by staining
- 2D imaging-IOPA
- 3D Imaging-CBCT and Micro CT





# **Clinical Significance**

- locating and cleaning all canals
  - Instrumentation and irrigation

## **ETHNICITY**

An ethnicity or ethnic group is a group of people who identify with each other on the basis of perceived shared attribute impacts on the same is a group of people who identify with each other groups. Those attributes can include a people of a common language, culture, common sets of ancestry, traditions, society, religion, mietory, or social