

# Root Canal Morphology And Its Relationship To Endodontic

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### **Root Canal Morphology And Its**

#### **Root canal morphology and its relationship to endodontic ...**

Root canal morphology and its relationship to endodontic procedures FRANK J VERTUCCI The hard tissue repository of the human dental pulp takes on numerous configurations and shapes A thorough knowledge of tooth morphology, careful interpretation of angled radiographs, proper access preparation and a

#### **Root and Root Canal Morphology of the Human Permanent ...**

Root and Root Canal Morphology of the Human Permanent Maxillary First Molar: A Literature Review Blaine M Cleghorn, DMD, MS,\* William H Christie, DMD, MS, FRCD(C),† and Cecilia CS Dong, DMD, BSc (Dent), MS, FRCD(C)† Abstract The objective of this study was to review the literature with respect to the root and canal systems in the

#### **REVIEW Aetiology, incidence and morphology of the C-shaped ...**

H, Ohno N Aetiology, incidence and morphology of the C-shaped root canal system and its impact on clinical endodontics International Endodontic Journal, 47, 1012-1033, 2014 The C-shaped root canal constitutes an unusual root morphology that can be found primarily in mandibular second permanent molars Due to the complexity

#### **The C-shaped Root Canal Configuration: A Review**

The C-shaped Root Canal Configuration: A Review Hamid Jafarzadeh, DDS, MSc\* and You-Nong Wu, DDS, PhD† Abstract Recognition of unusual variations in the canal configuration is critical because it has been established that the root with a single tapering canal and apical foramen is the exception rather than the rule The early

#### **A new system for classifying root and root canal morphology**

defining root canal configuration Using sectioning and radiographic methods, Weine et al (1969) were the first to categorize root canal configurations within a single root into three types depending on the pattern of division of the main root canal along its course from the pulp chamber to the root apex (Fig 1)

### **Primary molars with extra root canals - a case series**

Primary molars with extra root canals - a case series Sagar Chawla,1 Mousami Goswami,2 4 Priyanka Sachdeva,3 Vidhi Walia ABSTRACT A thorough knowledge of the root canal morphology is essential for the endodontic therapy of primary teeth Variations in the root canal systems in primary teeth can create a

### **Evaluation of the root and canal morphology of mandibular ...**

the basic root and canal morphology or its morphological variants<sup>3,4</sup> There are many factors responsible for root canal variations such as ethnicity,<sup>5</sup> gender<sup>6</sup> or the assessment method<sup>7</sup> used for its evaluation In the oral cavity, mandibular molars are the first permanent teeth to erupt and are the most common teeth that require endodontic

### **METHODS FOR DETERMINATION OF ROOT CANAL ...**

METHODS FOR DETERMINATION OF ROOT CANAL CURVATURE: A brief review ORIGINAL RESEARCH PAPER Kanchan Bhagat MDS, Conservative Dentistry and Endodontics, Dental Surgeon, J&K Government INTRODUCTION Root canal therapy relies on establishment of an accurate and

### **TWO-ROOTED MANDIBULAR FIRST PREMOLAR : CASE REPORT**

canal morphology is almost limitless in its variability The unusual number of canals should always be expected in various teeth Untreated root canals may cause failure of the treatment Mandibular first premolars are known to have a single canal A thorough understanding of root canal anatomy and morphology is required for achieving high

### **Access Cavity and Endodontic Anatomy - EndoExperience**

246 Endodontics 11 - Access Cavity and Endodontic Anatomy 247 Lastly, the endodontic probe can be used to determine the angle between the root canals and the floor of the pulp chamber 3) Facilitate the introduction of canal instruments

### **Treatment Standards**

root form (eg, taurodontism microdens) □ Teeth with extensive coronal destruction □ Restoration does not reflect original anatomy/alignment □ Significant deviation from normal tooth/root form (eg, fusion dens in dente) CANAL AND ROOT MORPHOLOGY □ Slight or ...

### **Maxillary first molar with 7 root canals diagnosed using ...**

complex root anatomy and canal morphology<sup>4-6</sup> Based on the published results, it is generally accepted that most maxillary first molars have 3 roots and 4 canals<sup>4-6</sup> Most studies reported incidences of a second canal in the mesiobuccal root in over 50% of

### **C-SHAPED CANAL SYSTEMS: A REVIEW**

An important anatomic variant in root canal morphology, the C configuration presents as a thin fin connecting the canals with a predilection for mandibular second molars Early recognition of the C-shape becomes imperative for its successful management Newer diagnostic tools have facilitated a more

### **Root canal treatment in primary- teeth: a review**

Root Canal Anatomy and Morphological Changes in the Primary Teeth Before beginning root canal therapy, the clinician should understand the

morphologic changes that continually occur within primary teeth and be familiar with the basic differences between primary and permanent root canal anatomy The root canals of anterior primary

### **Root Canal Morphology of Permanent Mandibular Premolars ...**

Introduction: It is essential for clinicians to have knowledge about root canal configuration, although its morphology varies largely in different ethnicities and even in different individuals within the same ethnic group The current study reviewed the root canal configuration of root

### **The Prevalence of a Second Mesio Buccal Canal of Maxillary ...**

Knowing the proper root and canal morphology is of paramount importance to avoid failures of endodontic treatment (Altunsoy et al 2014) Root canal morphology is also important during post-core and crown restorations because post preparation can result in root canal deviation or root canal perforation

### **Management of Single-Rooted Maxillary Central Incisor with ...**

Management of Single-Rooted Maxillary Central Incisor with Two Canals: A Case Report of the internal canal morphology and its variations in order to debride and obturate the root canal system

### **Root Morphology and Number Maxillofacial Radiology, Dental ...**

Knowledge about the common root canal morphology and its' variations is a prerequisite for a successful endodontic treatment Presence of a missed canal, especially a lingual canal, is among the most important causes of endodontic treatment failure in mandibular incisors The first step in endodontic treatment of teeth is acquiring knowledge

### **Validation of Cone Beam Computed Tomography as a Tool to ...**

cerning its capacity to reconstruct canal anatomy in vivo Acknowledgments The authors would like to especially thank Dr Lucas van der Sluis for his valuable advice and comments on the manuscript References 1 Vertucci F Root canal morphology and its relationship to endodontic procedures Endod Topics 2005;10:3-29 2