

Micro Computed Tomography Study Of The Internal Anatomy Of

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Micro Computed Tomography Study Of Micro-Computed Tomography Study of Filling Material Removal from Oval-shaped Canals by Using Rotary, Reciprocating, and Adaptive Motion Systems. Crozeta BM(1), Silva-Sousa YT(2), Leoni GB(1), Mazzi-Chaves JF(1), Fantinato T(2), Baratto-Filho F(3), Sousa-Neto MD(4). Author information: (1) Department of Restorative Dentistry, School of Dentistry of Ribeirão Preto, University of São Paulo, São Paulo, Brazil. Micro-Computed Tomography Study of Filling Material ... Therefore, this study aimed to clarify the three-dimensional structures of the nasolabial fold using

micro-computed tomography and verify their detailed composition by means of histologic observation. The Nasolabial Fold: A Micro-Computed Tomography Study ... Micro-computed tomography evaluation of microleakage of Class II composite restorations: ... The results of this study showed that the majority of the microleakage occur at the cementum/dentin margin, and confirm that an optimal adhesion to dentin/cementum is still a challenge. For instance, the results of this research indicate that the use of ... Micro-computed tomography evaluation of microleakage of ... In this work, we use a high resolution micro-computed tomography (micro-CT) scanner to image and reconstruct three dimensional pore-scale images

of five sandstones (Bentheimer, Berea, Clashach, Doddington and Stainton) and five complex carbonates (Ketton, Estailades, Middle Eastern sample 3, Middle Eastern sample 5 and Indiana Limestone 1) at four different voxel resolutions (4.4 μm , 6.2 μm , 8.3 μm and 10.2 μm), scanning the same physical field of view. Micro-computed tomography pore-scale study of flow in ... Fetal hearts can be retrieved after first trimester TOP being intact in the vast majority of cases. Iodine-enhanced, postmortem micro-CT can be used to assess cardiac anatomy from as early as 8 weeks and to describe heart abnormalities. Micro-computed tomography of isolated fetal hearts ... Fingerprint Dive into the research topics

of 'Micro-computed tomography study of the internal anatomy of mesial root canals of mandibular molars'. Together they form a unique fingerprint. Dental Pulp Cavity Medicine & Life Sciences Anatomy Medicine & Life Sciences Micro-computed tomography study of the internal anatomy of ... Study of the microstructure of durum wheat endosperm using X-ray micro-computed tomography Author links open overlay panel Lydie Besançon a Eric Rondet b Joël Grabulos b Valérie Lullien-Pellerin a Leslie Lhomond c Bernard Cuq a Study of the microstructure of durum wheat endosperm using ... Micro Computed Tomography Center. The IU School of Medicine Micro Computed Tomography Center, located on the school's

Indianapolis campus, houses two Skyscan systems with the versatility to scan skeletal and non-soft biological tissues at high resolution. ... The text box can be used to describe the study, announce an overnight scan, or to ... Micro Computed Tomography Core | Research | IU School of ... Micro-computed tomography (micro-CT) for intraoperative surgical margin assessment of breast cancer: A feasibility study in breast conserving surgery Whole lumpectomy specimen micro-CT scanning is a promising technique for intraoperative margin assessment in BCS. Micro-computed tomography (micro-CT) for intraoperative ... X-ray microtomography, like tomography and X-ray computed tomography, uses X-rays to create cross-

sections of a physical object that can be used to recreate a virtual model (3D model) without destroying the original object. The prefix micro- (symbol: μ) is used to indicate that the pixel sizes of the cross-sections are in the micrometre range. X-ray microtomography - Wikipedia The aims of this study were to investigate the configuration types present in multiple-canal MB roots of maxillary first molars using micro-computed tomography (μ CT) and to evaluate whether further modification to current configuration classifications are needed for in-depth morphology study of MB root canal system. A micro-computed tomography study of canal configuration ... The aim of this study was to conduct a flow

experiment using a cerebrovascular phantom and investigate whether magnetic resonance angiography (MRA) could replace three-dimensional rotational angiography (RA) and computed tomography angiography (CTA) to construct vascular models for computational fluid dynamics (CFD). We performed MRA and 3D cine phase-contrast (PC) MR imaging with a silicone ... link.springer.com Non-invasive imaging facilitates the study of internal anatomy without causing disruption, distortion or damage to surrounding tissues, and methods including computed X-ray tomography (CT, μ -CT,... The utility of micro-computed tomography for the non ... A micro-computed tomography study of the location and

curvature of the lingual canal in the mandibular first premolar with two canals originating from a single canal. Xiangjie Li, N. Liu, +7 authors Manjing Deng. Medicine, Materials Science. A Micro-Computed Tomography Study of the Root Canal ... Micro-computed tomography (CT) analysis In this study, a micro-CT (SkyScan-1272, Bruker, Kontich, Belgium) device at Erciyes University Faculty of Dentistry Research Laboratories was used. Effect of low-level laser therapy on osseointegration of ... Thirty-two extracted maxillary canines were collected and scanned in a microcomputed tomography scanner. The scans were imported into a custom-written MATLAB software (version 9.2; MathWorks, Natick, Mass) and

the enamel thickness on the mesial, distal, labial, fossa, cingulum, and incisal edge of each tooth was computed, obtaining the mean ... Enamel thickness of maxillary canines evaluated with ... Standardized bone micro-morphometry around murine teeth - a micro-CT study. Viktoria Trelenberg-Stoll. Department of Oral Surgery, Universitätsklinikum Düsseldorf, Düsseldorf, Germany. Search for more papers by this author. Standardized bone micro-morphometry around murine teeth ... Purpose: A 3-dimensional (3D) high-resolution micro-computed tomography (micro-CT) histomorphometric analysis of cadaveric proximal humeral greater tuberosities (GTs) was performed to guide optimal positioning of lateral row anchors in

posterior-superior (infraspinatus and supraspinatus)
TOE rotator cuff repair.

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