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Conservative Treatment of a Complicated Crown-root Fracture Using Adhesive Fragment Reattachment and Composite Resin Restoration: Two Year Follow-up

AV Martins • RC Albuquerque • LD Lanza • ÊL Vilaça • NRFA Silva • AN Moreira • RR da Silveira

Clinical Relevance: Tooth fragment reattachment associated with composite resin restoration can be an excellent treatment option for complicated crown-root fracture, when one of the fragments has been lost. A multidisciplinary approach can be critical for success.

doi: <http://dx.doi.org/10.2341/15-219-S>

Effectiveness of the Multilayered Caries Model and Visuo-tactile Virtual Reality Simulator for Minimally Invasive Caries Removal: A Randomized Controlled Trial

AP Dwisaptarini • S Suebnukarn • P Rhienmora • P Haddawy • S Koontongkaew

Clinical Relevance: Differentiation and selective removal of carious dentin are important in minimally invasive caries treatment. The virtual reality simulator and multilayered model of a carious tooth reconstructed from micro-CT images representing the infected and affected carious layer with different colors and hardnesses provide visuo-tactile sensation for training in minimally invasive caries removal.

doi: <http://dx.doi.org/10.2341/17-083-C>

Mechanical and Surface Properties of Monolithic Zirconia

LM Candido • LN Miotto • LMG Fais • PF Cesar • LAP Pinelli

Clinical Relevance: Restorations produced with monolithic zirconia are frequently used to replace those made with conventional zirconia and veneering porcelain. However, for correct use, it is important to know key material features, such as mechanical strength and fractographic behavior.

doi: <http://dx.doi.org/10.2341/17-019-L>

Compliance of Randomized Clinical Trials in Noncarious Cervical Lesions With the CONSORT Statement: A Systematic Review of Methodology

A Reis • JL de Geus • L Wambier • M Schroeder • AD Loguercio

Clinical Relevance: Systematic reviews are the top level of evidence, and the results may help clinical decisions that are needed to provide the best treatment for patients. In face of that, the adherence of randomized clinical trials evaluating adhesive systems should be improved.

doi: <http://dx.doi.org/10.2341/17-060-L>

Diagnosis of Pit-and-fissure Caries Using Three-dimensional Scanned Images

JK Mitchell • AR Furness • RJ Sword • SW Looney • WW Brackett • MG Brackett

Clinical Relevance: Detecting occlusal caries with scanned three-dimensional images is as accurate as visual examination with magnification and appropriate lighting.

doi: <http://dx.doi.org/10.2341/17-076-L>

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