**Effect of the additive dentine conditioning in all-in-one adhesives on the bonding strength at simulated intrapulpal pressure**

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The aim of the study was to investigate the influence of additive etching of dentine with phosphoric acid on the shear bond strength of two different, self-conditioning, all-in-one adhesives [Adect (ADE), and One-Up-Bond F (OUP)]. Dentine discs from 90 human molars (n = 15 per group) were exposed to penetration by Ringer's solution (60 cm height, 22 °C) by means of ...

[Abstract View] [Full Article View] [DOI: 10.17352/2394-8418.000068]

**Hand-operated and rotary mity instruments in combination with an endodontic handpiece and endodontic motor preparation: A comparison of shaping ability in simulated curved root canals**

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Author(s): Maria Giraki*, Edith Harapetian, Stefan Rüttermann and Susanne Gerhardt-Szep

The aim of this in vitro pilot study was to describe the shaping ability of a rotary nickel-titanium (NiTi) instrument in combination with different torque-controlled endodontic devices and to compare them with NiTi files in combination with a conventional preparation by hand in severely curved root canals of plastic blocks. Thirty blocks simulating a severely curved ...

[Abstract View] [Full Article View] [DOI: 10.17352/2394-8418.000067]

**Influence of structured reporting of tooth-colored indirect restorations on clinical**
The aim of the present study was to discover what influence structured reporting (study group = A) of toothcoloured lab-fabricated restorations has on clinical decision-making following international guidelines. By way of comparison, the conventional approach in the form of short reporting with 5 items (control group = B) was used as gold standard. The study was carri...

Comparative evaluation of microleakage among Resin-Based and nonResin-Based Restorative Materials in dentine cavities

The aim of this randomized in vitro study is to clarify whether resin based restorative materials (RBRM) behave in a way comparable to non-resin based restorative materials (non-RBRM) in dentine-limited cavities with regard to their marginal fit. For this purpose, cylindrical standardized cavities (diameter: 3.0 +/- 0.1 mm, depth: 1.5 mm) were placed on buccal surface ...

Possible association between lesions of endodontic origin, infectogenomics and myocarditis

Periodontal disease are chronic infectious disease in which bacteria initiate the host immune response determining at the end of a more or less time damage for tooth. In periodontitis, the clinical findings of bone resorption and loss of clinical
attachment level around tooth are a result of inflammatory mediated alterations to the bone remodeling balance. The inflamm ...