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Research Article

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

Published On: July 05, 2019 | Pages: 021 - 027

Author(s): Gerhardt T, Hasselmann S, Humpich T, Fielmann N, Giraki M, Rüttermann S and Gerhardt-Szép S\*

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 ...

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## 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

Published On: June 19, 2019 | Pages: 013 - 020

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 ...

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## Influence of structured reporting of tooth-colored indirect restorations on clinical

## decision-making

Published On: March 12, 2019 | Pages: 006 - 010

Author(s): Berz Tamara, Möltner Andreas, Giraki Maria, Obreja Karina, Parvini Puria, Rüttermann Stefan, and Gerhardt-Szep Susanne\*

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 ...

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

Published On: February 06, 2019 | Pages: 001 - 005

Author(s): Simone Thiedig, Maria Giraki, Stefan Rüttermann and Susanne Gerhardt-Szep\*

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 ...

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## Letter to Editor

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## Possible association between lesions of endodontic origin, infectogenomics and myocarditis

Published On: June 05, 2019 | Pages: 011 - 012

Author(s): FM Abenavoli\*, AD Inchingolo, G Dipalma and F Inchingolo

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 ...

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[DOI: 10.17352/2394-8418.000066](#)