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Research Article

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Oral-health implications and maintenance needs of Removable Partial Dentures (RPDs) worn during pre-prosthetic treatment

Published On: October 22, 2019 | Pages: 056 - 064

Author(s): A Winter, J Kochel, S Gerhardt- Szép, D van Rijt, S Kim and S Brandt*

Patients undergoing a variety of pre-prosthetic treatment regimens are commonly provided with a removable partial denture (RPD) to preserve or restore function and esthetics during this interim period. The service duration of such an interim RPD is usually limited by its inexpensive fabrication, and prolonged coverage of the abutment teeth by the denture base and clas ...

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Influence of three different dentin bonding agents on the adhesion of composite resin to dentine—An in vitro study

Published On: September 24, 2019 | Pages: 056 - 060

Author(s): Christina Hoferichter, Stefan Rüttermann, and Susanne Gerhardt- Szep*

The demand for aesthetic, durable and quality restorations has increased significantly. Teeth should be unobtrusive and ideally minimally invasive reconstructed. It is a problem to get a permanent bond between the hydrophilic dentin and the hydrophobic composite [1,2]. ...

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Shaping ability of rotary instrumentation techniques and their limitations in simulated root canals

Published On: September 21, 2019 | Pages: 049 - 055

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

The aim of this in vitro study was to describe the shaping ability of rotary nickel-titanium (NiTi) instruments (Mtwo, VDW, Munich, Germany) with beneficial properties in combination with two different endodontic devices (Mtwo direct and Endo IT professional) and to compare them with Mity NiTi K-Files (Loser, Leverkusen, Germany) in combination with preparation by ha ...

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Game-based learning “Jeopardy” in dental education: A pilot study

Published On: September 17, 2019 | Pages: 044 - 048

Author(s): Sara Friedrich, Andreas Moeltner, Stefan Rüttermann and Susanne Gerhardt-Szép*

This randomised experimental pilot study is intended to contribute to the investigations about the learning success of students in their first clinical semester of dentistry using game-based learning in "Jeopardy"-setting. In dentistry, there are no studies available on this learning and teaching context. ...

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Evaluation of an e-learning module under different tutorial guidance

Published On: August 29, 2019 | Pages: 037 - 043

Author(s): Jessica Jahn, Andreas Moeltner, Stefan Rüttermann and Susanne Gerhardt-Szép*

This multivariate, prospective, monocentric, single blind, observational study evaluates the experimental application of an interactive e-learning module under different tutorial guidance on the topic of EbD (Evidence based Dentistry). ...

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Peer-based dental composite training course

Published On: July 22, 2019 | Pages: 032 - 036

Author(s): Maximilian Dobbertin, Stefan Rüttermann and Susanne Gerhardt-Szép*

This multivariate, prospective, monocentric, observational pilot study evaluates the experimental acceptance and feasibility of a peer-based course concept. Those both theoretical and practical workshops were offered to dentistry students in all clinical semesters on a voluntary basis. In 9 courses a total of 45 students took part in small learning groups (n = up to 1 ...

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A cephalometric study of the tongue position in class III patients

Published On: July 20, 2019 | Pages: 028 - 031

Author(s): Wilfredo Molina Wills* and Vanessa Rodriguez

Aims: The objective of this study was to evaluate the tongue position during deglutition with respect to the occlusal plane in class III patients with teeth in centric occlusion. Methods: 24 lateral cephalometric radiographs of a group of 30 class III patients were randomly selected and divided into two ...

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