In this issue

Research Article

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

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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 ...

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

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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]. ...

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

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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 ...

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

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.

**Evaluation of an e-learning module under different tutorial guidance**

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).

**Peer-based dental composite training course**
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 ...