## In this issue

### Research Article

**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]. ...

**Abstract View | Full Article View | DOI: 10.17352/2394-8418.000074**

### Research Article

**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 ...

**Abstract View | Full Article View | DOI: 10.17352/2394-8418.000073**

### Research Article

**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 ...

**A cephalometric study of the tongue position in class III patients**
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 ...