Special Issue

Relation Between Hydraulic Endodontic Sealers and Build Up of Endodontically Treated Teeth

Message from the Guest Editors

In recent years, hydraulic endodontic sealers have been introduced in daily dentistry and have been well-received by endodontists and practitioners. Many in vitro studies have shown their chemical and mechanical properties, and other tests performed in vivo have shown their biological characteristics, clinical behavior, and outcomes. Almost all of these investigations concentrated on the “endodontic and biological aspects” of these new sealers, but the possible role of hydraulic endodontic sealers on the bonding steps required to build up endodontically treated teeth is still uncertain, and many questions have been raised by scientists and clinicians as well. Studies about bonding to root canal dentins, such as those on bond strength, leakage, radiopacity, compatibility among different types of hydraulic endodontic sealers with different bonding systems, procedures to clean the post space, type of restorative materials to be used, etc., are still yet to be performed. Lastly, randomized controlled trials are desirable to confirm (or not) lab findings. For this purpose, you are invited to contribute your valuable and important articles to this Special Issue.

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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