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New Challenges in the Instrumentation of the Root Canal System

Guest Editor:

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Deadline for manuscript submissions:

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Message from the Guest Editor

The latest advances applied to the design and manufacturing procedures of NiTi alloy endodontic files, based on novel metallurgical procedures and alloying elements capable of inducing changes on microcrystalline structure of endodontic instruments, have their mechanical properties increasing the cutting efficiency and improving the cyclic fatigue resistance mechanical of NiTi alloy endodontic rotary reciprocating files; in addition, it has also increased the mechanical disinfection of root canal system and reduced the incidence of intraoperative complications such as apical transport and root canal perforations. However, there are many tasks that must be resolved because a greater knowledge of the mechanical behavior of NiTi allov endodontic files will allow greater control over the root canal treatment procedure. If you are currently engaged in state-of the-art research that involves any aspect of the root canal treatment, you are invited to contribute to this Special Issue.











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Editor-in-Chief

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network

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