

Biocompatibility of endodontic materials

Project start: 2006

Responsible scientist: Ellen Bruzell

Collaborators: Dag Ørstavik and Marianne Kleivmyr, Dental Faculty, University of Oslo

Principal investigator: Greta Lodiene (Ph.D. student, visiting scientist),
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NIOM staff: Jon E. Dahl, Inger Sofie Dragland, Else Morisbak, Hilde Kopperud,
Hanne Wellendorf

Biological studies:

2006:

Endodontic sealers were investigated with respect to cytotoxicity.

2007:

Furcation repair materials were investigated with respect to cell death mechanisms and their ability to prevent bacterial leakage. An article is in course of preparation.

2008:

Further studies on cytotoxicity of endodontic sealers were investigated. Leaching substances from these products were analyzed. Article in preparation.

Ref.:

Lodiene G. Sealing ability evaluation of materials used in furcation perforations' repair. Lithuanian Endodontic Conference. November 23-24, 2007. Vilnius. Lithuania. (A).

Whatley M, Rinde A, Ørstavik D, Dahl JE. Kan EDTA og jod påvirke adhesjonsegenskapene til rotfyllingsmaterialer? *Nor Tannlegeforen Tid* 2008; 118: 432 – 7

Lodiene G, Morisbak E, Bruzell E, Ørstavik D. Toxicity evaluation of root canal sealers *in vitro*. *Int Endod J*. 2008;41:72-7. http://www.niom.no/lenker-publikasjoner/Toxicity_evaluation_of_root_canal_sealers_in_vitro.pdf

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