

Photodynamic treatment (PDT) of oral cells and bacteria

Project start: 2004

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Ongoing Ph.D study started 2006: Photodynamic treatment (PDT) of oral infections

The aims are to study the impact of the formulation on the uptake of photosensitizers in oral, pathological bacteria and oral cells. The formulation is crucial in targeting photosensitizers towards bacteria, and thereby avoiding damage to healthy tissues. Another goal is to further develop and characterize potential, new photosensitizers of natural origin. Articles in preparation.

Ref.:

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<http://www.niom.no/lenker-aktuelt/Differentiationofcurcuminphototoxicityincellsandbacteria070828.pdf>

Haukvik T, Bruzell E, Tønnesen HH. Antibakteriell fotodynamisk terapi og fotoaktivert desinfeksjon. Norsk Farmaceutisk Tidsskrift 2006;114:17-20.

Bruzell EM, Morisbak E, Tønnesen HH. Studies on curcumin and curcuminoids. XXIX. Photoinduced cytotoxicity of curcumin in selected aqueous preparations. Photochem Photobiol Sci. 2005;4:523 - 530.(A) http://www.niom.no/lenker-publikasjoner/Abstract_curcumin.pdf

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