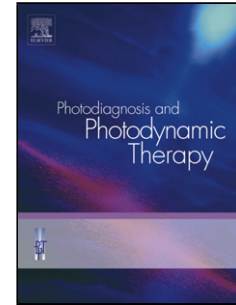


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Title: Photoactivation of curcumin and sodium hypochlorite to enhance antibiofilm efficacy in root canal dentin

Author: Prasanna Neelakantan Cheng Qing Cheng
Vinodhdhine Ravichandran Teresa Mao Priyanka Sriraman
Swetha Sridharan Chandana Subbarao Subash Sharma Anil
Kishen



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HIGHLIGHTS

- We evaluated the antibiofilm activity of a new photosensitizer (curcumin) in root canal treatment.
- Antibiofilm activity was tested against 4 week old *Enterococcus faecalis* biofilms.
- Light activation of irrigants disrupted and killed biofilm bacteria more than ultrasonics.
- Light activated curcumin showed maximum bacterial killing in the biofilm.
- Only light activated curcumin destroyed bacteria at 400 microns depth.

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