### Title:
Comparative assessment of the desensitizing efficacy of laser versus other methods in treatment of dentin hypersensitivity

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### Abstract:
**Aim:**
The aim of this systematic review was to compare the effectiveness of laser therapy with that of topical desensitising agents in treating dentin hypersensitivity.

**Method:**
A systematic search was performed in the MEDLINE, PubMed databases to retrieve all articles that were about the mechanism of dentin hypersensitivity and the application of laser desensitising procedures and topical desensitising agents in the treatment of dentine hypersensitivity.

**Results:**
Dentinal hypersensitivity (DH) is a common condition that tends to occur following exposure of the dentinal tubules in the cervical region of the tooth. Several mechanisms are said to be responsible for that but still there may be some unknown mechanisms remaining. Clinicians and researchers have developed various treatment options, which can be classified into two major categories: tubular occlusion and blockage of nerve activity. Dentin adhesives, bonding agents and Laser are frequently administered to seal the dentinal tubules and control the painful condition.

**Conclusion:**
A systematic review of the literature indicates the likelihood that laser therapy has a slight clinical advantage over topical medicaments in the treatment of dentine hypersensitivity. More large sample-sized, long-term, high-quality randomised controlled clinical trials are needed before definitive conclusions were made.

### Keywords:
dentin hypersensitivity, Laser desensitising, topical desensitising agents

**Presentation:** Poster