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Non- pharmacological interventions for reducing mental distress in patients undergoing dental procedures: Systematic review and meta-analysis

Lisa J. Heaton

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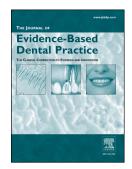
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# **Review Analysis and Evaluation – Diagnosis/Treatment/Prognosis**

### Non-Pharmacological Interventions May Reduce Mental Distress

## in Adults Undergoing Dental Treatment

- Article Title and Bibliographic Information: Nonpharmacological interventions for reducing mental distress in patients undergoing dental procedures: Systematic review and meta-analysis. Burghardt S, Koranyi S, Magnucki G, Strauss B, Rosendahl J. J Dent. 2018 Feb;69:22-31.
- **Purpose/question:** The authors conducted a meta-analysis of randomized controlled trials examining the effect of non-pharmacological interventions with dentally anxious adults undergoing dental treatment on the primary outcome of mental distress and secondary outcomes of pain intensity and analgesic use.
- Source of funding: None reported.
- Type of study design: Meta-analysis of randomized controlled trials.
- Key words: Dental anxiety, Controlled clinical trial, Behavior therapy, Dental hypnosis

Strength of Recommendation Grade: Grade B: Inconsistent or limited-quality patientoriented evidence

Level of Evidence: Level 2: Limited-quality, patient-oriented evidence

Reviewer: Lisa J Heaton

#### SUMMARY

#### Selection Criteria

Two investigators reviewed 5 databases (MEDLINE, CENTRAL, Web of Science,

PsycINFO, and ProQuest Dissertations and Theses Full Text Database) for randomized

controlled trials (RCTs) describing non-pharmacological interventions in adults (18

years and older) with mild to moderate dental anxiety (DA) implemented prior to or

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