

Clinical success of restorations with bioactive and non-bioactive materials: Systematic Review and Network Meta-Analysis

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Objectives

Respond, based on the collection of data from randomized clinical trials, whether restorations with bioactive materials in permanent dentition present higher clinical success than restorations with non-bioactive materials.

Materials and Methods

PICO Strategy

P: restorations in permanente teeth

: bioactive materials

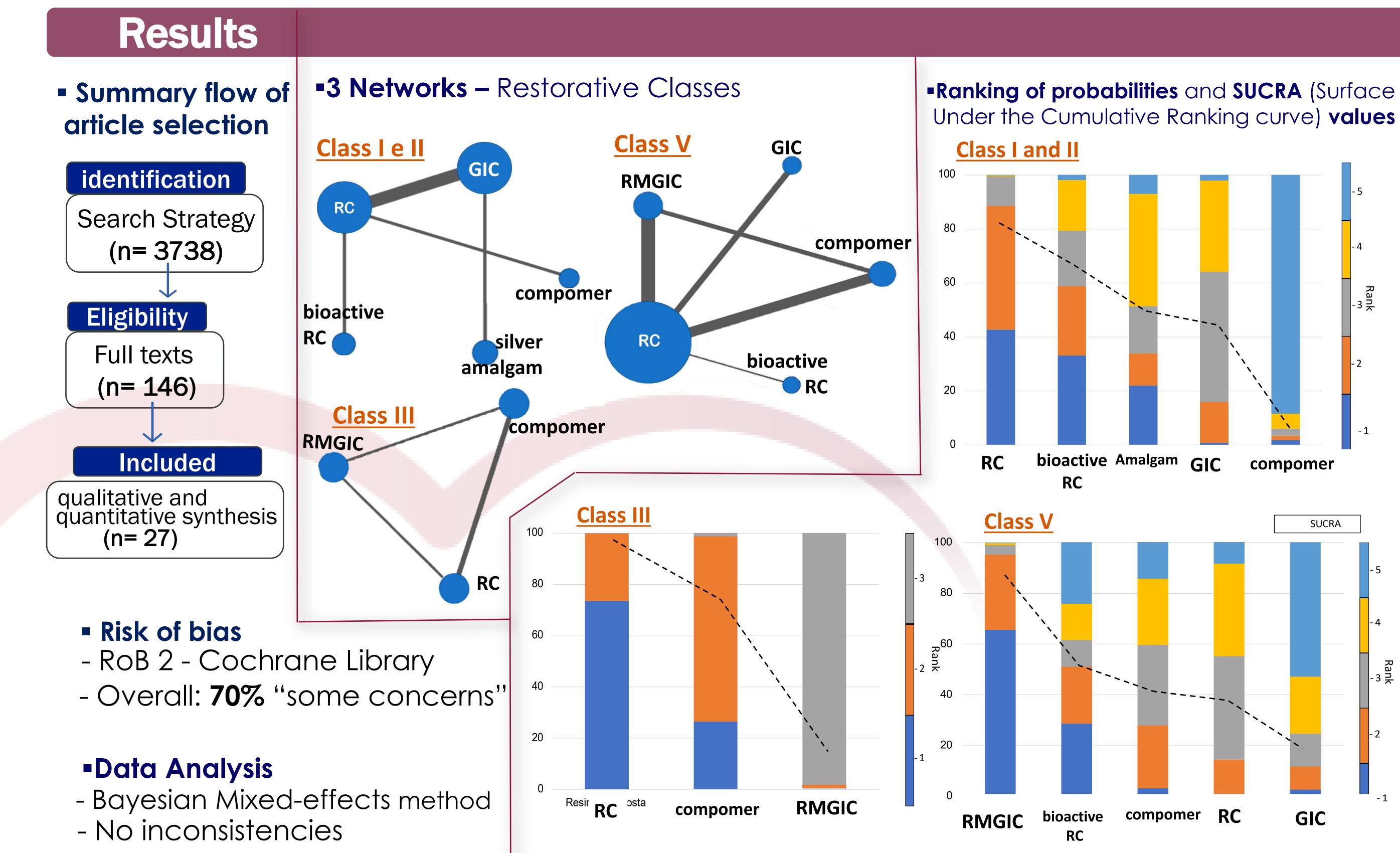
C: non-bioactive materials

O: clinical success of restoration



Eligibility Criteria: Randomized controlled clinical trials that evaluated at least one bioactive restorative material in permanent dentition using USPHS or FDI evaluation criteria, with a minimum follow-up period of 24 months.

Data Collection and Analysis: Two independent reviewers, blinded to each other's responses and decisions, conducted. A thirdreviewer resolved any disagreements.



Conclusions

- •Bioactive materials showed good clinical performance, especially in Class V restorations;
- Composite resin continues to be the preferred choice for Class I, II, and III
 Future clinical studies should follow the SPIRIT and CONSORT guidelines.

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