

**The Efficacy and Safety of Micro-needling Combined with Tacrolimus versus Tacrolimus Monotherapy for Vitiligo Treatment: A Systematic Review and Meta-analysis**

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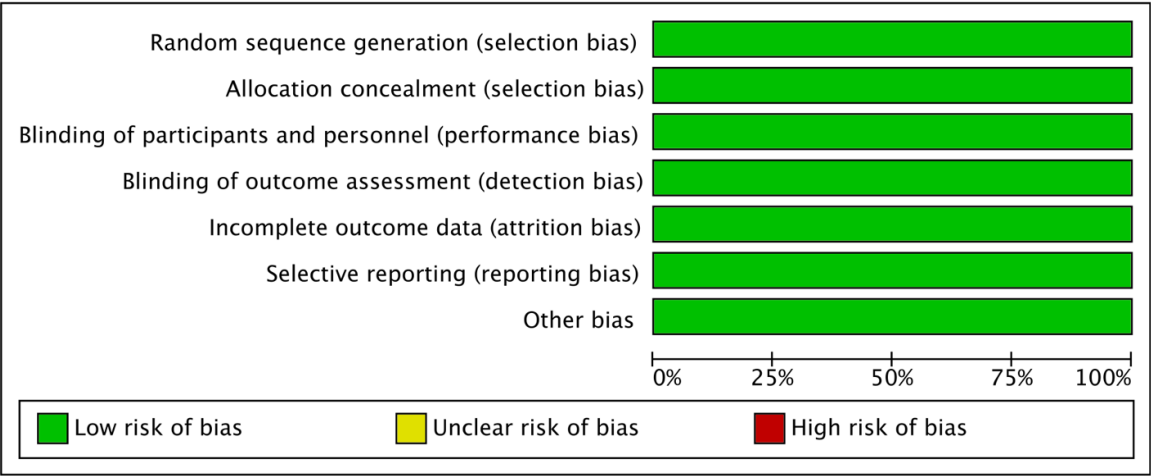
**SUPPLEMENTARY MATERIAL**

Search strategy for Medline, Embase, and CENTRAL last performed on November 14, 2023

(n=14):

1. vitiligo.mp. or exp Vitiligo
2. extra-facial vitiligo.mp.
3. 1 or 2
4. tacrolimus.mp. or exp Tacrolimus
5. topical tacrolimus.mp.
6. tacrolimus monotherapy.mp.
7. macrolactams.mp.
8. 4 or 5 or 6 or 7
9. microneedling.mp.
10. dermapen.mp.
11. dry needling.mp. or exp Dry Needling
12. 9 or 10 or 11
13. exp Randomized Controlled Trial/ or exp Clinical Trial/ or trial.mp.
14. 3 and 8 and 12 and 13

Supplementary Figure A. Risk of bias graph.



Supplementary Figure B. Risk of bias summary.

