

Does The Use Of Amoxicillin/Amoxicillin-Clavulanic Acid In Third Molar Surgery Reduce The Risk Of Postoperative Infection? A Systematic Review with Meta-Analysis.

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- A systematic search of four databases was performed. Eleven studies qualified for the qualitative analysis and eight were found suitable for meta-analysis.
- The results suggest that both amoxicillin-clavulanic acid and amoxicillin significantly reduce the risk of infection after third molar extraction (overall relative risk (RR) 0.25).
- However, only amoxicillin-clavulanic acid was found to be effective (RR 0.21, $P < 0.001$).

- **In conclusion, amoxicillin-clavulanic acid and amoxicillin may significantly reduce the risk of infection after third molar extraction.**
- **Amoxicillin-clavulanic acid combination therapy is found to be effective.**