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Cochrane Database of Systematic Reviews - - Cochrane Review

# Eradication therapy for *Burkholderia cepacia* complex in people with cystic fibrosis

**Code:** CD009876

**Year:** 2019 **Date:** 2014 - updated: 12 MAR 2019

**Author:** Regan Kate

## Study design (if review, criteria of inclusion for studies)

Randomised or quasi-randomised studies

## Participants

Patients with initial acquisition of BCC infections; people with chronic BCC infection

## Interventions

antibiotics used alone or in combination, using any method of delivery and any treatment duration, to eradicate *Burkholderia cepacia* complex infections compared to another antibiotic, placebo or no treatment

## Outcome measures

eradication after initial acquisition or prevention or delay onset of chronic infection; lung function, nutritional status, clinical scores and mortality; microbiological outcomes; adverse effects; cost-effectiveness

## Main results

No studies looking at the eradication of *Burkholderia cepacia* complex species were identified.

## Authors' conclusions

The authors have concluded that there was an extreme lack of evidence in this area of treatment management for people with cystic fibrosis. Without further comprehensive studies, it is difficult to draw conclusions about a safe and effective management strategy for *Burkholderia cepacia* complex eradication in cystic fibrosis. Thus, while the review could not offer clinicians evidence of an effective eradication protocol for *Burkholderia cepacia* complex, it has highlighted an urgent need for exploration and research in this area, specifically the need for well-designed multi-centre randomised controlled studies of a variety of (novel) antibiotic agents.

<http://onlinelibrary.wiley.com/doi/10.1002/14651858.CD009876.pub4/abstract>

## See also

Regan KH, Bhatt J. Eradication therapy for *Burkholderia cepacia* complex in people with cystic fibrosis. Cochrane Database of Systematic Reviews 2019, Issue 4. Art. No.: CD009876. DOI: 10.1002/14651858.CD009876.pub4.

## Keywords

Anti-Bacterial Agents; pharmacological\_intervention; *Burkholderia cepacia*; Respiratory Tract Infections; Respiratory Tract Diseases; Infection; Bacterial Infections; Exacerbation;