

Tilmelding af Foredrag

Foredragets titel

Tympanostomy tubes in children with otitis media reduce socioeconomic costs significantly

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Introduktion

The study aimed to investigate changes in parental sick leave after tympanostomy tube (TT) insertion in children with otitis media (OM) and to estimate the overall cost-reduction in the case of decreased caregiver sick leave from work during a 12-month period after TT insertion.

Materiale/metode

A total of 5,556 children < 12 years from the Danish ENT Specialists' Organisation (DOENHO) database were included. Questionnaires were sent two days prior to TT insertion and 1, 3, 6, 9, 12, 15, 18, 21 and 24 months after TT insertion. The questions included symptom duration, patient satisfaction and symptom relief. Furthermore, parental sick leave occurrence was registered before and after TT insertion. The overall cost-reduction estimate was based on a comparison of direct and indirect costs of two treatment regimes. Treatment A was non-surgical and antibiotics only. Treatment B comprised TT insertion and possibly antibiotics.

Resultater

The risk of parental sick leave decreased significantly (p -value < 0.005) one month after TT insertion compared with baseline; odds ratio (OR) 0.21 (95% CI, 0.19-0.24). The decrease remained stable during the entire follow-up period. The total cost reduction between Treatment A (non-TT insertion) and Treatment B (TT insertion) was 3,118.34 DKK/child/year.

Diskussion

TT insertion is associated with a significant decrease in parents' sick leave and substantial socioeconomic savings.

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