primary studies - published RCT

How Many Maneuvers Should We Do for Maximal Inspiratory and Expiratory Muscle Pressure Testing in Children: A Retrospective Review in Children with Cystic Fibrosis.

Code: PM33590270 **Year:** 2021 **Date:** 2021 **Author:** Boonjindasup W

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

Analysis of data of a previous randomized controlled trial

Participants

35 children with CF.

Interventions

Singing. On two different days (T1, T2) children performed MIP/MEP with at least ten attempts each to achieveâ€‰

Outcome measures

Maximal inspiratory pressure (MIP) and maximal expiratory pressure (MEP)

Main results

All children achieved repeatable MIP/MEP values within 10-11 attempts with 24 (68.6%) and 26 (74.3%) of these achieving best values of MIP and MEP, respectively, at attempts 6-11. Median values of the pressures by three, five, eight and all attempts significantly increased with more attempts (all pâ€‰

Authors' conclusions

It is likely that at least ten attempts (best two withinâ€‰

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See also

Lung. 2021 Feb 15. doi: 10.1007/s00408-021-00422-0.

Keywords

Adolescent; Adult; Child; Music Therapy - Singing; non pharmacological intervention - psyco-soc-edu-org; Creative and physical therapies; Behavioural interventions;