Fan Therapy for the relief of dyspnea in malignant and non-malignant diseases in adults (Review)

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Citation

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Review question

To assess the effectiveness of fan therapy on dyspnea in patients with malignant and non-malignant disease.

Searches

We will search the following electrical databases from 1987 to 22 August 2018.

? Cochrane Central Register of Controlled Trials (CENTRAL) in the Cochrane Library

? MEDLINE (EBSCO)

? CINAHL (EBSCO)

? Scopus

Types of study to be included

We will include randomized controlled trials.

Condition or domain being studied

Fan therapy for dyspnea in malignant and non-malignant patients.

Participants/population

We will include the studies if the participants meet the following criteria.

? Patients with adults (aged ?18 years)

? Patients with dyspnea

? Patients with malignant or non-malignant disease

We will exclude the following studies.

? Complex intervention

? Long term intervention

Intervention(s), exposure(s)

Fan therapy for dyspnea, uses a fan to blow air in the direction of the patient’s face.

Comparator(s)/control

Fan uses a fan to blow air in the direction of the patient’s face, no fan or other treatment without medication.

Context

Main outcome(s)

Primary outcome is change in dyspnea intensity measured by self-reported instruments (e.g. Numerical Rating Scale (NRS), Visual Analogue Scale (VAS) or modified Borg Scale (mBS)). Other terms for dyspnea such as breathlessness and shortness of breath will also be accepted.

Additional outcome(s)
None.

Data extraction (selection and coding)
Three review authors independently assessed the titles and abstracts of all the studies. Independent review authors will eliminate studies that clearly do not satisfy inclusion criteria. Then, we will obtain full-texts of remaining studies. The three review authors will read these studies independently to select relevant studies.

Risk of bias (quality) assessment
We will independently assess the methodological quality of randomized controlled trials using the Cochrane Collaboration's risk of bias tool, which consist of six items: sequence generation; allocation concealment; blinding of participants, personnel, and outcome assessors; incomplete outcome data; selective reporting; and other potential threats to validity. Each item is judged as being either “high risk”, “low risk” or “unclear” risk of bias. And, we used a Jadad scale to evaluate the quality of the randomized controlled trials.

Strategy for data synthesis
We will analyze the results of the studies within the giving intervention category assessing the same outcome by conducting a meta-analysis using the RevMan 5.3.

Analysis of subgroups or subsets
None planned.

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Type and method of review
Intervention, Meta-analysis, Systematic review

Anticipated or actual start date
21 August 2018

Anticipated completion date
31 December 2019

Funding sources/sponsors
None.

Conflicts of interest

Language
English

Country
Japan

Stage of review
Review Ongoing

Subject index terms status
Subject indexing assigned by CRD

Subject index terms
Adult; Dyspnea; Humans; Palliative Care

Date of registration in PROSPERO
17 September 2018

Date of publication of this version
17 September 2018

Details of any existing review of the same topic by the same authors

Stage of review at time of this submission

Stage	Started	Completed
Preliminary searches	Yes	Yes
Piloting of the study selection process	Yes	Yes
Formal screening of search results against eligibility criteria	Yes	Yes
Data extraction	Yes	No
Risk of bias (quality) assessment	No	No
Data analysis	No	No

Versions
17 September 2018