

The muscle activity of the diaphragm and intercostal muscles before and after treatment with Salbutamol

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The tone of the intercostal muscles and the diaphragm is, in wheezy children, higher before treatment with Salbutamol than after treatment

Ethische beoordeling	Positief advies
Status	Werving nog niet gestart
Type aandoening	-
Onderzoekstype	Observationeel onderzoek, zonder invasieve metingen

Samenvatting

ID

NL-OMON20586

Bron

NTR

Aandoening

Acute dyspnea/ wheeze
Kortademigheid/ piepen
Tone of diaphragm
Spier spanning diafragma
EMG
Infants

Ondersteuning

Primaire sponsor: Universitair Medisch Centrum Groningen

Overige ondersteuning: Universitair Medisch Centrum Groningen

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

1 - The muscle activity of the diaphragm and intercostal muscles before and after tr ... 4-05-2025

Toelichting onderzoek

Achtergrond van het onderzoek

Our aim is to study the tone of the intercostal muscles and the diaphragm in wheezy children, before treatment with Salbutamol and after treatment.

Doel van het onderzoek

The tone of the intercostal muscles and the diaphragm is, in wheezy children, higher before treatment with Salbutamol than after treatment

Onderzoeksopzet

The first measurement starts before the first treatment with Salbutamol.

The measurements will be repeated twice a day during the first three days of hospitalization. At the day of dismissal the measurements will be repeated for the last time. These will be used as control measurement.

When a child is able to go home within three days of hospitalization, the remaining measurements will be canceled and the last measurement will be seen as the measurement for dismissal.

Onderzoeksproduct en/of interventie

Because this is an observational study there will be no interventions. The measurements start at first presentation at hospital. One measurement consists of 3 parts: EMG, Clinical Asthma Score and the Borg-Scale, measured by parents. The measurement starts before treatment with Salbutamol. 15 Minutes after treatment the measurement will be repeated.

Contactpersonen

Publiek

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

- Children between 3 months and 6 year old.
- Hospitalized at the Universitair Medisch Centrum Groningen because of dyspnea
- Treated with Salbutamol

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

- Congenital disorders which cause dyspnea like Congenital heart defects or Cystic Fibrosis.
- Status after Hernia diaphragmatica
- Children with an allergy to EMG patches

Onderzoeksopzet

Opzet

Type:	Observationeel onderzoek, zonder invasieve metingen
Onderzoeksmodel:	Anders
Toewijzing:	N.v.t. / één studie arm
Blinding:	Open / niet geblindeerd
Controle:	N.v.t. / onbekend

Deelname

Nederland	
Status:	Werving nog niet gestart
(Verwachte) startdatum:	11-02-2014
Aantal proefpersonen:	35
Type:	Verwachte startdatum

Ethische beoordeling

Positief advies	
Datum:	04-02-2014
Soort:	Eerste indiening

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

Geen registraties gevonden.

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
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NTR-new	NL4442
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NTR-old	NTR4565
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Ander register Medisch Ethische toetsingscommissie UMC Groningen : METc2013/369

Resultaten