Kids breathe freely – parents sleep easy!

PARI JuniorBOY® SX
Inhalation therapy for the needs of babies and infants

www.parimedical.co.uk
PARI JuniorBOY® SX
Especially for the needs of your younger patients

Powerful Compressor for short inhalation times – under 7 minutes!
for 2.5 ml Salmeterol

Advantages of humid inhalation
Paediatricians rely on jet nebulisers in long-term respiratory tract treatment for their young patients and appreciate the following advantages*:

- Extra humidification of the respiratory tract
- Alleviates shortness of breath and bronchial constriction
- Treatment with saline solution possible
- Medication mixtures can be given
- Easy to work with – no coordination necessary

PARI LC SPRINT® Junior nebuliser

- More efficient nebuliser with integrated valve system for economical drug consumption
- Easy assembly, usage and cleaning
- No special inhalation technique required

Small droplets for small respiratory tracts*

Aerosol characteristics:

- Total Output Rate: 370 mg/min
- MMD: 2.9 µm
- Mass percentage < 5 µm: 76%

Inspiratory flow: 12 l/min; measurement with Malvern Mastersizer X (calculated according to Fraunhofer model) at 23 °C and 50% relative humidity. Nebulised medium: 0.9% NaCl (5 ml)

* Infants have narrow lower respiratory tracts ... so it makes sense that the optimum particle size for inhalation treatment should be smaller for children than for adults.

Advantages of nebuliser treatment

- Extra humidification
- Treatment with saline solution
- Medication mixtures possible
- No coordination necessary
- Suitable for all medications
- Combination with physiotherapy

New!
Child-appropriate equipment enables treatment for babies as young as 1 month

- Soft, comfortably fitting BABY mask for efficient, relaxed inhalation
- Baby bend for comfortable inhalation while sitting or lying with babies as young as 1 month old
- Mouthpiece with expiratory valve for children aged 4 and older

Figure: Paediatricians who responded to the survey cited the extra humidification and simple handling as the essential advantages of inhalation treatment via nebulisers.
Source: PARI survey of 681 paediatricians

PARI NaCl inhalation solution

- Humidifies mucous membranes for children and adults – as an adjuvant treatment for cold-related illnesses
- Adapted to the salt content of the human body
- Ready-to-use inhalation solution in handy 2.5 ml plastic ampoules for easy sterile application

PARI NaCl inhalation solution
(20 x 2.5 ml ampoules) Order no.: 077G0000
(60 x 2.5 ml ampoules) Order no.: 077G0003
(120 x 2.5 ml ampoules) Order no.: 077G0006

(1.5)
(1.0)
(0.5)
(0.0)

Inhaled dose (mg)

Distance between mask and face (cm)

0.18 mg (85% less) for 2.5 ml Salbutamol
0.49 mg (60% less) for 2.5 ml Salmeterol
1.21 mg

(0.49 mg)
(0.18 mg)

(60% less)
(85% less)

(Mark L. Everard, Andrew R. Clark, Anthony D. Milner, Archives of Disease in Childhood 1992; 67:586-591.)
Fun masks for children: Mary the Ladybug and Felix the Frog

- Antistatic metal chamber helps to ensure reliable dosage
- Can be disinfected or sterilised for use in hospitals and doctors' surgeries

VORTEX® with Ladybug baby mask
0–2 years
Order no.: 051G2020

VORTEX® with Frog child mask
2 years and older
Order no.: 051G2040

VORTEX® 4 years and older
Order no.: 051G1000

MucoClear® 3%

Hypertonic inhalation solution for mobilising secretions in acute bronchiolitis
- Sterile, ready-to-use 4 ml ampoules
- Convenient plastic ampoules
- Free from preservatives

Cochrane Review¹ on acute bronchiolitis in infants:
- Can significantly shorten hospital stays
- Alleviates clinical severity

MucoClear® 3%
20 x 4 ml ampoules
Order no.: 077G5000

MucoClear® 3%
60 x 4 ml ampoules
Order no.: 077G5003

¹ Zhang L. et al. Cochrane Database 2008 8;(4): CD006458

Did you know?
The osmotic effects of saline droplets on the mucous membrane of the respiratory tract help to loosen mucus (so it can be cleared more easily by coughing!)

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Specialists in effective inhalation