

NEBULIZATION/VERSTUIWING

revision date 01052023

dr hester van der walt

weskus pediatrie / west coast paediatrics

21 voortrekker str, vredenburg, 7380; tel 0227135149, www.pediater.co.za

pr 0377597, mp 0279102, sama 11741, vat 4530258856, registration 2013/207395/21

Parental Information regarding Nebulization

The best results are obtained if the mask is over the child's nose and mouth until the nebulizer stops to make vapour.



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If the child is restless on the nebulizer try singing or music or videos to get him / her to settle. If nothing works, remove the mask and aim the vapour towards nose

If possible, nebulize while the child is sleeping, Mesh Nebulizers² run very quiet and are more efficient than ultra sonic nebulizers³.

¹ Courtesy <https://asthma.net> accessed 15/10/2019 17:07:52

² <https://www.future-science.com/doi/full/10.4155/tde-2017-0102> accessed 15/10/2019 17:16:42

³ <https://aerosol-soc.com/abstracts/ultrasonic-mesh-nebulizers-not-delivery-budesonide-suspension/> accessed 15/10/2019 20:28:45

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Most work with batteries but some also have a USB port that can be plugged into an electric plug. They produce a finer, more efficient vapour and take shorter time to complete the task.

To control inflammation: (Steroids)

Budesonide (Pulmicort / Arrow Budesonide / Budeneb)

With sudden onset chest problems: give 3 times, 30 minutes apart, then twice a day for 3 to 5 days

To open chest: (Combination of Salbutamol and Ipratropium bromide)

Duolin / Co-Iprazol / Combivent / Combineb 4 to 6 times a day for 3 to 5 days and then as requires according to chest

To reduce swelling in big air tubes (Croup) and smaller air tubes in children less than 1 year of age

Adrenaline 1 ml plus 4 ml saline 4 to 6 times a day as requires

To open ampule: Take ampules by head and shake fluid into the body of the ampule. Turn ampule till dot on head faces you. Break head off by bending head away from body. Pull up solution in a syringe and dilute with 4 ml saline. Put it in nebulizer.

If you are afraid of being scratched if the ampule is made of glass use cloth but try not to waste any medication.

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Videos that will assist:

<https://youtu.be/eIXQXtp0shc> please excuse the 'music'

<https://youtu.be/o3N0Yn6DCHs> - remember to hold the mask over the mouth and nose of your child **NOT as in this video!**

<https://youtu.be/Ns7vZnhreYk>

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THROUGH JESUS CHRIST ALONE!