



Administering aerosol therapy to children can be challenging

Nebulisers, pressurised metered-dose inhalers, soft mist inhalers, and dry powder inhalers are the cornerstone of aerosol therapy in children.¹



Device Choice

Appropriate device choice is necessary based on the patient's age, tolerance and acceptance of the interface (mouthpiece, facemask, hood, etc.) during treatment^{1,2}



Emotional distress

On presentation, children may be crying or in respiratory distress, which may negatively impact the dose delivered during inhaled therapy^{1,3}



Technique

Correct technique by the child or caregiver is required to successfully administer medication^{1,2}

Aerogen Solo

The Aerogen Solo is a single-patient-use device that facilitates aerosol drug delivery at every stage of a patient's respiratory journey (IMV, NIV, HF and SV)¹²

- Quick and easy to set up¹²
- Virtually silent¹²
- Single patient use¹²
- 28 days intermittent or 7 days continuous use¹²
- No added flow¹²
- Refill medication cup without opening the circuit¹²



Aerogen Ultra

The Aerogen Ultra is a handheld device that is used in conjunction with the Aerogen Solo to deliver inhalation treatment either during exacerbations or post-ventilation¹³

- Oxygen port enables optional delivery of oxygen¹³
- An ergonomic, valved mouthpiece controls the flow of air through the chamber to facilitate aerosol drug delivery¹³
- Innovative chamber design provides an aerosol reservoir intended for optimal drug delivery¹³
- Extended mouthpiece¹ to easily add bacterial or viral filter¹³

ED, Emergency Department; HF, high-flow; IMV, invasive mechanical ventilation; JN, jet nebuliser; NIV, non-invasive ventilation; SV, self-ventilating

¹When placed 15cm from the Y-Piece in a heated setting; in-vitro model ²Study performed in healthy subjects ³Defined as achieving a mild asthma score following an asthma exacerbation ⁴The Aerogen Ultra with an extended mouthpiece is only available in selected regions. Refer to your in-country instruction manual to determine availability.

1. Ari A. Ann Transl Med. 2021;9(7):593. **2.** 2022 GINA Report, Global Strategy for Asthma Management and Prevention. Available at: <https://ginasthma.org/gina-reports/> Accessed: January 2023. **3.** Corcoran TE. Ann Transl Med. 2021;9(7):595. **4.** Moody GB, Luckett PM, Shockley CM, et al. Respir Care 2020;65(10):1451-1463. **5.** Ari A, Areabi H, Fink JB. Respir Care. 2010;55(7):837-844. **6.** Ari A, Atalay OT, Harwood R, et al. Respir Care. 2010;55(7):845-851. **7.** Galindo-Filho VC, Ramos ME, Rattes CS, et al. Respir Care. 2015;60(9):1238-1246. **8.** Dugemier J, Hesse M, Jumetz T, et al. J Aerosol Med Pulm Drug Deliv. 2017;30(5):349-358. **9.** Dugemier J, Hesse M, Vanbever R, et al. Pharm Res. 2017;34(2):290-30. **10.** Berlinski A, Willis JR. Respir Care. 2013;58(7):1124-1133. **11.** Dunne RB, Shortt S. Am J Emerg Med. 2018;36(4):641-646. **12.** 30-354 REV U Aerogen Solo instruction manual. **13.** 30-4487 Rev A Aerogen Ultra instruction manual.

GL170403-23

Treat The Wheezees



/ Discover Better

Aerogen®

Aerogen®

Supporting paediatric patient care in response to aerosolised medication⁴



Aerogen[®] improves patient care in response to aerosolised medication

In studies, when compared with jet nebulisers, bronchodilator administration via Aerogen Ultra in SV patients was associated with:

In children with a moderate-to-severe asthma exacerbation:

- Significantly fewer treatments and significantly less time required to achieve symptom control^{15,4}

Across all patients in ED:

- ~30% relative reduction in hospital admission rates¹¹
- 85% of patients achieving symptom control with one 2.5mg salbutamol dose¹¹
- 37-minute reduction in ED median length of stay¹¹



Aerogen supports effective medication delivery across multiple respiratory modalities⁵⁻¹⁰

- In studies, ~4x more drug deposition was achieved with Aerogen during IMV,^{14,5} NIV,¹⁶ and HF,⁷ and ~6x more drug deposition when SV¹⁸ versus JN



Aerogen can be used across the hospital

- One system throughout your paediatric patient's respiratory journey (IMV, NIV, HF, SV),¹² supporting continuity of care
- Portable, to facilitate aerosol medication delivery throughout the hospital¹²



Aerogen supports a calm environment for your paediatric patients

- Quick and easy to set up¹²
- Virtually silent drug delivery¹²
- No added flow¹²



Aerogen[®]