



NEWS from Trudell Medical International

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AeroChamber
Plus with **Flow-Vu**
 Valved Holding Chamber

Evaluating the use of **AeroChamber*** Brand VHC with Children

An oral presentation given at the 4th International Primary Care Respiratory Group International Conference held in Seville, Spain on May 28-31, 2008, studied the use of Valved Holding Chambers (VHCs) in infants and small children.

The study focused primarily on the evaluation of a visual feedback mechanism that would help healthcare professionals confirm that inhalation had taken place – critical to ensure optimal medication delivery as more than one inhalation may be required to empty the VHC in these low tidal volume patients.

Each VHC was connected to a breathing simulator set to mimic infant or small child breathing patterns, depending on facemask size. The **AeroChamber Plus*** VHC with **Flow-Vu*** IFI (149 mL), required more than one breath even with the ‘child’ condition to evacuate the chamber.¹

The **Flow-Vu*** Inspiratory Flow Indicator (IFI) found on the **AeroChamber Plus*** Valved Holding Chamber (VHC), moves in synchrony with the opening of the valve in response to the patients’ inspiratory effort. This allows healthcare professionals or caregivers to confirm a good face/mask seal and count the number of inhalations that have taken place, thereby optimizing the therapeutic dose.

¹Medication Delivery via Valved Holding Chamber (VHC) and Facemask with Inhalation Flow Indicator (IFI), IPCRG Presentation, Ritchie Sharpe

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