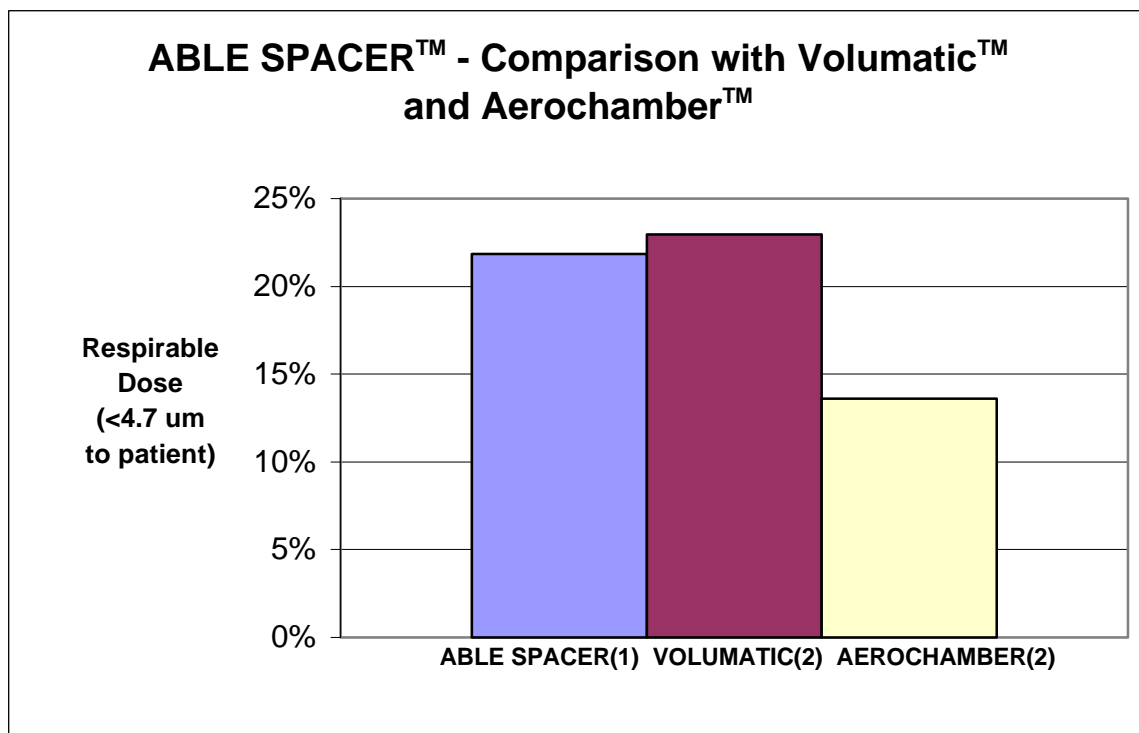


## Able Spacer™ Comparison Data

Able Spacer™ is a valved holding chamber. It is designed to assist with metered dose inhaler (MDI) aerosol medication delivery. The silicone rubber MDI port accepts all commonly prescribed MDI's.

- By providing a space between inhaler and mouth, Able Spacer™ reduces the velocity of the aerosol and subsequent impaction on the oropharynx.
- In addition it allows more time for evaporation of the propellant so that a larger proportion of the particles can be inhaled and deposited in the lungs.
- Co-ordination of inspiration with actuation of the aerosol is less important.

The following table is a comparison with Volumatic™ and Aerochamber™ using the drug Fluticasone dipropionate.



This comparison indicates that the Able Spacer delivers nearly the same respirable dose as the Volumatic™. Its potential strength lies in its small size and portability which may improve patient compliance.

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(1) P W Barry, University of Leicester, Department of Child Health. September 2000

(2) British Journal of Clinical Pharmacology: 1999, 47, 357-360. Study entitled 'A comparative analysis of the particle size output of beclomethasone dipropionate, salmeterol xinafoate and fluticasone propionate MDI's used with Babyhaler, Volumatic and Aerochamber by P W Barry and C O'Callaghan.