

### Safety Notice 016/22

# Issue date 7 October 2022

#### Distributed to:

Chief Executives
Directors of Clinical
Governance

Director, Regulation and Compliance Unit

#### Action required by:

Chief Executives
Directors of Clinical
Governance

### We recommend you also inform:

Directors, Managers and Staff of:

- Anaesthetics, Recovery & Theatre Departments
- Intensive Care Units
- Emergency Departments
- Respiratory Medicine Units

Other relevant staff, departments and committees.

## **Expert Reference Group Content reviewed by:**

Medication Safety Expert Advisory Committee

### Clinical Excellence Commission

Tel: 02 9269 5500

Email

Internet Website
Intranet Website

Review date October 2023

## Adaptors for administration of bronchodilators using metered dose inhalers via endotracheal tubes

### **Background**

Clinicians are reminded to carefully select the adaptors required for the administration of bronchodilators using metered dose inhalers (MDI) via endotracheal tubes (ETT). Salbutamol is used off-label via the ETT for bronchospasm during anaesthesia. Recently, an incident occurred where an MDI was unable to be attached to a patient's ETT due to the lack of the correct adaptor being available. This resulted in an additional flexible tubing connector being required.

In 2021, salbutamol MDIs (Asmol®, Ventolin®) underwent a change in product design. The cannisters have a dose counter attached, making the adaptors used on the previous product design incompatible. Adaptors of different brands and sizes have been identified (listed below, not exhaustive):

Product	Supplier
Southmedic MDI adaptors (4 different sizes available)	Precise Medical Supplies
Spirale Drug Delivery System	Meditech Systems
Adaptor, Connector 22M-22F with MDI insert	Intersurgical Australia*
Adaptor, Connector 15M-15F with MDI insert	Intersurgical Australia*

\*Please note – although the adaptors available from Intersurgical Australia fit the new presentation of salbutamol MDIs, they **do not** activate the dose counter. The Precise Medical Supplies and Meditech Systems alternatives **do** activate the dose counter.

### **Assessment**

Available adaptors differ in terms of design and available sizes, and connection compatibility with ETTs and ventilation circuits will be facility/unit specific.

### **Clinical Recommendation**

Each facility/unit must conduct an assessment to determine the most appropriate brand and size of MDI adaptor is available to suit their current ventilation circuit set-up and endotracheal tube connector diameter.

### Required actions for the Local Health Districts/Networks

- 1. Distribute this Safety Notice to all relevant clinicians and clinical departments where MDIs are used as part of ventilation circuits.
- 2. Include this Safety Notice in relevant handovers and safety huddles.
- 3. Undertake a local assessment to determine the most appropriate brand and size of MDI adaptor and ensure it is available.
- 4. Escalate any concerns to CEC-MedicationSafety@health.nsw.gov.au.
- 5. Report any incidents associated with these adaptors via the local incident management system (<u>ims+</u>) and to the <u>TGA</u>.
- 6. Confirm receipt and distribution of this Safety Notice within 72 hours to <a href="mailto:CEC-MedicationSafety@health.nsw.gov.au">CEC-MedicationSafety@health.nsw.gov.au</a>

