

## MEDICINES STANDARD OPERATING PROCEDURE (MSOP)

### SALBUTAMOL (Nebules)

<b>Name of Medicine:</b>	SALBUTAMOL
<b>Procedural Number:</b>	MSOP004
<b>Departments Affected:</b>	Management & Operations
<b>Version:</b>	V1.0
<b>Legal Category of Medicine:</b>	Prescription Only Medicine (POM)
<b>Staff Grade Authorised to Use:</b>	<input type="checkbox"/> First Aider <input type="checkbox"/> First Responder <input type="checkbox"/> Emergency Care Assistant <input checked="" type="checkbox"/> IHCD Technician <input checked="" type="checkbox"/> Paramedic <input checked="" type="checkbox"/> Nurse <input checked="" type="checkbox"/> Emergency Care Practitioner (Paramedic) <input checked="" type="checkbox"/> Emergency Nurse Practitioner (Nurse)
<b>Review Period:</b>	3 Years
<b>Effective Date</b>	07/07/2018
<b>Review Date</b>	07/07/2021
<b>Category:</b>	<b>CLINICAL MANDATORY</b> No deviation from the procedure
<b>Approved By:</b>	Medical Advisory Clinical Lead Directors

Training and Competency	
<b>Training</b>	<ul style="list-style-type: none"> <li>The staff member must have completed the necessary training in order to administer the above medicine in line with their qualification.</li> <li>The staff member is responsible for keeping his/herself aware of any changes to the recommendations for the medicine listed.</li> <li>It is the responsibility of the individual to keep up-to-date with continued professional development and to work within the limitations of their own individual scope of practice.</li> </ul>
<b>Competency</b>	<ul style="list-style-type: none"> <li>Successful completion of a competency assessment in the use of this medicine for the indications stated.</li> <li>Completion of education in both the legal and professional aspects of medicines administration.</li> </ul>

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Clinical Situation / Requirement	
<b>Clinical Indication</b>	<ol style="list-style-type: none"> <li>1. Emergency treatment of patients presenting with acute asthma or shortness of breath secondary to bronchospasm or other respiratory disorders, e.g. COPD.</li> <li>2. Expiratory wheeze associated with allergy, anaphylaxis, smoke inhalation or other lower airway cause.</li> <li>3. Shortness of breath in patients with severe breathing difficulty due to left ventricular failure (secondary treatment)</li> </ol>
<b>Inclusion Criteria</b>	Patients with the above indication
<b>Contra-Indications / Exclusions</b>	<ul style="list-style-type: none"> <li>• Hypersensitivity to salbutamol, beta-adrenoceptor agonists or any constituent of the product.</li> <li>• Children aged under 1 month</li> </ul>
<b>Cautions</b>	<p>Salbutamol should be used with care in patients with;</p> <ol style="list-style-type: none"> <li>1. Hypertension</li> <li>2. Angina</li> <li>3. Overactive Thyroid</li> <li>4. Late Pregnancy (Can relax uterus)</li> <li>5. Severe hypertension may occur in patients on beta blockers and half doses should be used unless there is profound hypotension.</li> </ol> <p>If COPD is a possibility, limit nebulization to 6 minutes.</p>
<b>Side Effects</b>	<p>Tremors (Shaking) Tachycardia Palpitations Headache Feeling of tension Peripheral vasodilatation Muscle Cramps Rash</p>
<b>Action if Excluded/Contraindicated</b>	Refer to medical practitioner
<b>Action if patient declines</b>	Document as appropriate and refer to medical practitioner




Description of Treatment	
<b>Generic Name</b>	Salbutamol/Ventolin
<b>Presentation</b>	Nebules containing 2.5milligrams / 2.5ml or 5 milligrams in 2.5ml
<b>Route</b>	Nebulised with 6–8 litres per minute of oxygen.

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<b>Dosage &amp; Administration</b>	<ul style="list-style-type: none"> <li>If COPD is a possibility, limit nebulisation to six minutes.</li> <li>The pulse rate in children may exceed 140 after significant doses of salbutamol; this is not usually of any clinical significance and should not usually preclude further use of the drug.</li> <li>Repeat doses should be discontinued if the side effects are becoming significant (e.g. tremors, tachycardia &gt;140 beats per minute in adults) – this is a clinical decision by the ambulance clinician.</li> </ul>					
	AGE	INITIAL DOSE	REPEAT DOSE	DOSE INTERVAL	VOLUME	MAXIMUM DOSE
	<b>Adult</b>					
	<b>Child 6 – 18 years</b> 2.5 milligrams in 2.5 ml	5 milligrams	5 milligrams	5 minutes	5ml	No limit
	<b>Adult 18+</b> 5 milligrams in 2.5 ml	5 milligrams	5 milligrams	5 minutes	2.5ml	No limit
	<b>Child</b> <b>5 Years – 1 Month</b> 2.5 milligrams in 2.5 ml	2.5 milligrams	2.5 milligrams	5 minutes	2.5ml	No limit

<b>Further information</b>	
<b>Advice to Patient</b>	<ul style="list-style-type: none"> <li>Advise the patient of any side effects that may present.</li> <li>Provide appropriate worsening advice describing the range of signs and symptoms to monitor for and the action to take if they occur.</li> </ul>
<b>Records</b>	Complete patient clinical record (PCR/PRF) In the event of a reaction or medicines incident, complete an Incident Report Form (IR1)
<b>Related Documents / Reference</b>	British National Formulary (BNF) UK Ambulance Service Clinical Practice Guidelines The electronic Medicines Compendium (eMC)

<b>Authorised By:</b>			
<b>Name:</b>	<b>Title:</b>	<b>Signature</b>	<b>Date:</b>
Daniel Ruscoe	Clinical Director & Clinical Lead		07/07/2018
Jack Squires	Operations Director		07/07/2018
Dr Arihant Jain	Medical Advisor		07/07/2018

This Medicines Standard Operating Procedure must be signed by the Clinical Lead, Clinical Operations Director and Medical Advisor to be valid.

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