Acute Asthma / Wheeze Pathway (not for Bronchiolitis)

Clinical Assessment / Management Tool for Children & Young People Older than 1 year old with Acute Wheeze

Management – Combined Acute and Primary Care



Patient	ASSESSMENT	Low Risk MILD - GREEN	Intermediate Risk MODERATE - AMBER	High Risk SEVERE - RED	
>1 yr with wheeze presents Assess <15mins	Behaviour	Alert; No increased work of breathing	Alert; Some increased work of breathing	May be agitated; Unable to talk freely or feed	Can only speak in Confusion or drow
	O2 Sat in air	≥ 95%; Pink	≥ 92%; Pink	< 92%; Pale	< 92%; Cyanosis;
*avoid oral steroids in episodic wheezers	Heart Rate	Normal	Normal	Under 5yr >140/min Over 5 yr >125/min	Under 5yr >140/m Over 5 yr >125/m May be bradycard
(wheezers only with colds). Oral steroids play a role in treating acute exacerbations	Respiratory	Normal Respiratory rate	Under 5 yr <40 breaths/min Over 5 yr <30 breaths/min	Under 5 yr >40 breaths/min Over 5 yr >30 breaths/min	Severe Respirato Poor respiratory e
in multiple trigger wheezers (asthma, eczema, allergies)	Peak Flow ° (only for children > 6yrs	Normal Respiratory effort	Mild Respiratory distress: mild recession and some accessory muscle use	Moderate Respiratory distress: moderate recession & clear accessory muscle use	Silent chest Marked use of acc and recession
Consider other diagnoses: • Cough without	with established technique)	PEFR >75% l/min best/predicted	PEFR 50-75% l/min best/predicted	PEFR 33-50% l/min best/predicted	PEFR <33% l/min too breathless to c
a wheeze					
Foreign body<u>Croup</u>		GREEN ACTION	AMBER ACTION	URGENT ACTION	
<section-header></section-header>		Salbutamol 2-4 puffs via inhaler & spacer (check inhaler technique) - as per asthma action plan Advise – Person prescribing ensure it is given properly • Continue Salbutamol 4 hourly as per instructions on safety netting document. Provide: • Asthma Attack safety netting sheet. • Ensure they have a <u>Personal</u>	 Salbutamol 2-6 puffs via inhaler and spacer (check inhaler technique) Reassess after 20 – 30 minutes Oral Prednisolone within 1 hour for 3 days if known asthmatic 2 years - avoid steroids if episodic wheeze* Consider 10mg OD 3 days; 2-5 years: 20mg; >5 years 30-40mg OD 3 days 	 Refer immediately to emergency care by 999 <u>Alert Paediatrician</u> Oxygen to maintain O₂ Sat > 94%, using paediatric cannula if available Salbutamol 100 mcg x 10 puffs via inhaler & space OR Salbutamol 2.5 – 5 mg Nebulised Repeat every 20 minutes whilst awaiting transfer If not responding add Ipratropium 20mcg/dose - <5 yea salbutamol; >5 years: 8 puffs or 500mcg nebuliser mixe Oral Prednisolone start immediately: 2-5 years 20 mg/ 	
 FOLLOWING ANY ACUTE EPISODE, THINK: 1. <u>Asthma / wheeze</u> education and inhaler technique 2. Written <u>Asthma/Wheeze</u> action plan 3. Early review by GP / Practice Nurse – consider compliance 		Asthma Action Plan (under 12/12-18 years). •Confirm they are comfortable with the decisions / advice given and then think " <u>Safeguarding</u> " before sending home. • Ensure GP/practice nurse review within 48 hours	YES Lower threshold for referral/escalation if concerns about social circumstances or if previous severe/life threatening asthma attack Follow Amber Action if: • Relief not lasting 4 hours • Symptoms worsen or treatment is becoming less effective	NO • Move to • Oxygen • Burst ne • IV acces • IV brond • Conside • Conside	pital Emergen resus. Consider 222 to maintain Sats >94 bulisers (x3 Salbutan ss and bloods gas chodilation as per <u>ST</u> rr IV Hydrocortisone rr need for intubation

This guidance has been reviewed and adapted by healthcare professionals across SWL with consent from the Hampshire development groups

This document was arrived at after careful consideration of the evidence available including but not exclusively NICE, SIGN, EBM data and NHS evidence, as applicable. Healthcare professionals are expected to take it fully into account when exercising their clinical judgement. The guidance does not, however, override the individual responsibility of healthcare professionals to make decisions appropriate to the circumstances of the individual patient in consultation with the patient and / or carer.



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nasal Repeat via Ox whilst hospita s: 4 puffs or 250 mcg d with salbutamol day Over 5 years 30-4	Salbutamol 2.5 - 5 mg kygen-driven nebuliser arranging immediate I admission via 999 nebuliser mixed with the 10 mg/day OD 3 days
nasal nasal s: 4 puffs or 250 mcg d with salbutamol day Over 5 years 30-4	Salbutamol 2.5 - 5 mg kygen-driven nebuliser arranging immediate I admission via 999 nebuliser mixed with the 40 mg/day OD 3 days
nasal nasal s: 4 puffs or 250 mcg d with salbutamol day Over 5 years 30-4 Particle 222/Anaesthetics revie 34%. Consider HHHF amol + x3 Ipratropium	Salbutamol 2.5 - 5 mg kygen-driven nebuliser arranging immediate I admission via 999 nebuliser mixed with the to mg/day OD 3 days ent / Paediatric Unit ew I (Optiflow) a Bromide)
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