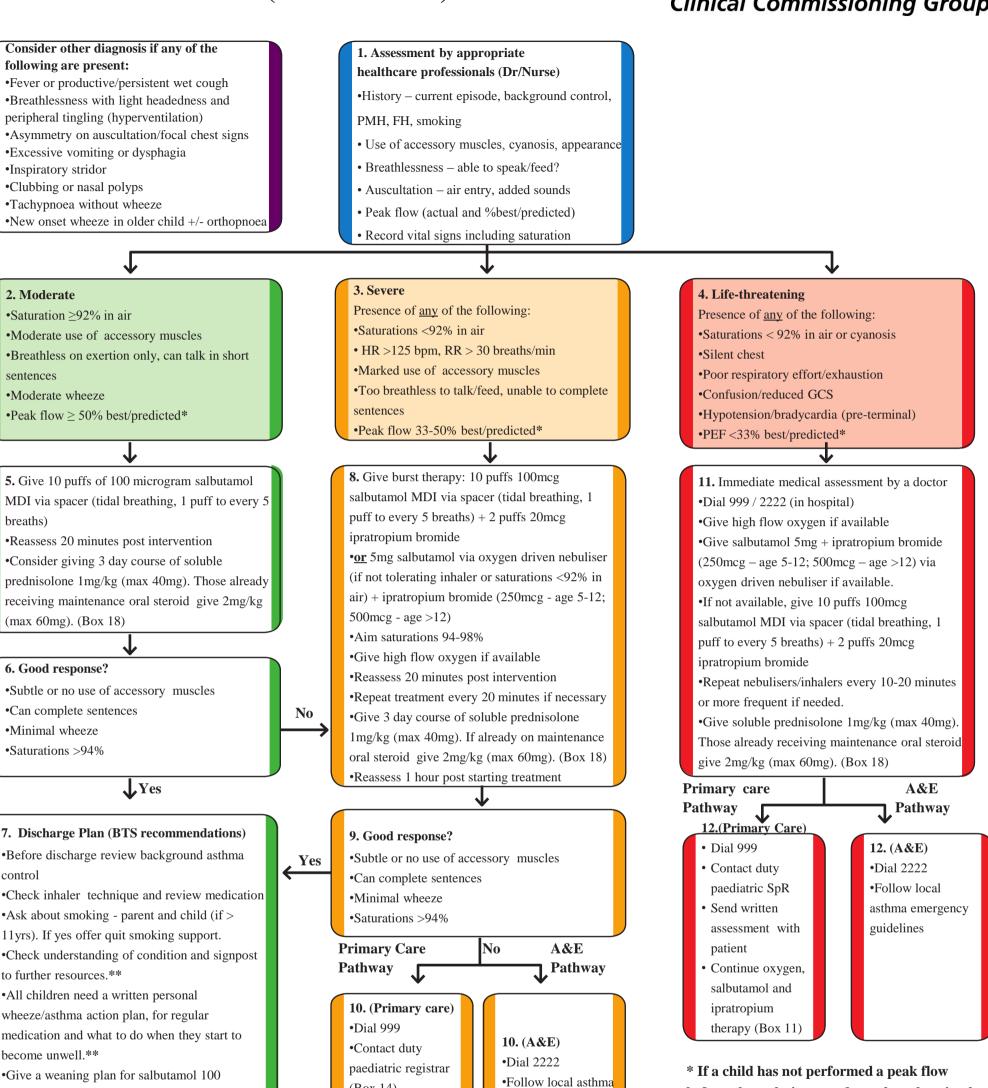
Acute Asthma Attack: Management for Known Asthmatic Children (5 – 16 Years)



micrograms MDI plus spacer

before, the technique used may be suboptimal.

Islington **Clinical Commissioning Group**

- Day 1: 6 puffs every 4 hours
- Day 2: 4 puffs every 6 hours
- Day 3: 2 puffs as required

•Advise parents to book GP/Practice Nurse review within 48hrs. Give safety netting advice. •Complete a three day course of prednisolone (Box 18)

Referral	to	secondary	care	if:	(Box	14)
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- •Diagnosis unclear or in doubt
- •Symptoms present from birth or perinatal lung problem
- •Persistent wet or productive cough
- •Family history of unusual chest disease
- •Failure to thrive or weight loss
- •Nasal polyps or clubbing

•Co-existing food allergies

•Continue oxygen,		emergene
salbutamol and		guidelines
ipratropium therapy		
(Box 8)		
•Send written		
assessment with		
patient		

(Box 14)

In this instance the result should be treated with caution. PEF unlikely to be reliable in severe/life-threatening episode.

** Useful resources:

www.asthma.org.uk/for-professionals/ www.itchysneezywheezy.co.uk

Referral to secondary care if: (See box 14) •Unexpected clinical findings e.g. focal signs, abnormal voice of cry, dysphagia, inspiratory stridor, excessive vomiting •Failure to respond to conventional treatment (particularly inhaled corticosteroids above beclometasone 400 mcg/day (or equivalent) or frequent use of steroid tablets (>2 courses/year) •Parental anxiety/need for reassurance or social concerns •Recurrent A+E presentations/admissions

Ref: The British Thoracic Society (BTS) British Guideline on the Management of Asthma (revised 2016)

Acute Asthma Attack Management Pathway for Known Asthmatic Children (5 – 16 Years)



13. Community Children's Nursing (CCN) Teams

Barnet

Tel: 020 8216 5242 E: rf-tr.childrenshomecareteam@nhs.net

Camden & South Barnet Tel: 020 7830 2571 E: rf.communitychildrensnurses@nhs.net

Enfield Tel: 020 8375 1992 E: rf-tr.childrenshomecareteam@nhs.net

Haringey Tel: 020 8887 3301 E: northmidchildrenscommunitynurses@nhs.net

Islington Tel: 0203 316 1950 whh-tr.islingtonchildrensnursing@nhs.net

16. Inhalers vs nebulisers

For moderate asthma, use an inhaler and spacer. If >5 years old use the mouth piece, rather than mask (providing their technique is good) Indications for nebulisers:

- Low saturations <92%
- Unable to use inhaler and spacer (not compliant)
- Severe and life threatening respiratory distress
- Nebulisers are not generally recommended for home use.

2'9"

2'11"

87

95

19. Predicted peak flows

Height

(m)

0.85

0.90

For	use	with	PEF	meters	EU/EN1	3826

Height Predicted Height Height Predicted EU PEFR (L/min) (ft) (ft) EU PEFR (m) (L/min)

1.30

1.35

14. Secondary Care Referrals

<u>For urgent referrals, contact paediatric</u> registrar on call via hospital switchboard

Barnet Hospital Dr. Sue Laurent Sue.Laurent@nhs.net Switchboard: 020 8216 4600 **Royal Free Hospital** Dr. Rahul Chodhari R.Chodhari@nhs.net Switchboard: 020 7794 0500 North Middlesex Hospital Dr. Arvind Shah and Dr. Dhruv Rastogi Switchboard: 020 8887 2000 **University College Hospital** Dr. Eddie Chung Switchboard: 020 3456 7890 Whittington Hospital Dr. John Moreiras John.moreiras@nhs.net Switchboard: 020 7272 3070

17. Nebulised_drug doses

Salbutamol	
2-5 yrs	2.5 mg
> 5 yrs	5 mg

Ipratropium bromide

4'3"

4'5"

212

233

< 12 yrs 250 mcg 12-18 yrs 500 mcg

15. Normal Paediatric Values

Respiratory Rate at Rest:

25-30 breaths/min 2-5yrs 5-12yrs 20-25 breaths/min 15-20 breaths/min >12yrs

Heart Rate:

2-5yrs	95-140 bpm
5-12yrs	80-120 bpm
>12yrs	60-100 bpm

Systolic Blood Pressure:

2-5yrs 80-100 mmhg 5-12yrs 90-110 mmhg 100-120 mmhg >12yrs

18. Prednisolone

- •<12 yrs 1mg/kg (max 40mg) daily
- •12-18 yrs 40mg daily
- •Those already receiving maintenance steroid, give 2 mg/kg (max 60 mg)
- •Repeat the dose in children who vomit and/or consider IV steroids
- •3 days is usually sufficient, but can be
- increased/tailored to the number of days
- necessary to bring about recovery.
- •Weaning is unnecessary unless the course of steroids exceeds 14 days.

20. Poor asthma control •Frequent use of reliever •Limiting daily activities •Poor sleep, nocturnal cough •Frequent exercise induced symptoms •Frequent hospital admissions or GP/A+E attendances •Frequent courses of prednisolone

0.95	3'1"	104	1.40	4'7"	254
1.00	3'3"	115	1.45	4'9"	276
1.05	3'5"	127	1.50	4'11"	299
1.10	3'7"	141	1.55	5'1"	323
1.15	3'9"	157	1.60	5'3"	346
1.20	3'11"	174	1.65	5'5"	370
1.25	4'1"	192	1.70	5'7"	393
		•		1	

•Difficult Asthma: Difficult asthma is defined as persistent symptoms and/or frequent exacerbations despite treatment at step 4 or 5 •Asthma Control Test: www.asthma.com/resources/asthma-controltest.html

This guidance is written in the following context: This pathway was arrived at after careful consideration of the evidence available including but not exclusively using the BTS guidelines. 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 guardian or carer. If you have any queries with regards to the information contained within this document, please contact Dr John Moreiras (john.moreiras@nhs.net)

Review date: December 2020