Bronchiolitis Pathway

Clinical Assessment / Management Tool for Children Younger than 1 year old with suspected Bronchiolitis





Management - Primary Care and Community Settings

Suspected Bronchiolitis? Refer immediately to emergency Do the symptoms and/or signs suggest **Patient Presents** Yes an immediately life threatening care by **999** Snuffly Nose · Chesty Cough (high risk) illness? Poor feeding Vomiting Alert Paediatrician Pvrexia · Increased work of breathing Stay with child whilst waiting and Head bobbing Cyanosis Consider differential diagnosis Bronchiolitis Season • Inspiratory crackles +/- wheeze give **High-Flow Oxygen** support if - temp ≥38°C (sepsis) or sweaty ' http://bit.ly/1DPXI2b) an oximeter appropriately designed for infants if (cardiac) or unusual features of illness Risk factors for severe disease Pre-existing lung condition
 Immunocompromised
 Congenital Heart Disease • Age <6 weeks (corrected) • Re-attendance • Prematurity <35 weeks • Neuromuscular weakness Table 1 Clinical Red - high risk Green - low risk Amber - intermediate risk **Findings**

Behaviour Alert Irritable · Reduced response to social cues Unable to rouse · Wakes only with prolonged stimulation Normal Decreased activity · No smile No response to social cues · Weak or continuous cry Appears ill to a healthcare professional Skin CRT < 2 secs Moist mucous membranes CRT 2-3 secs Pale/mottled CRT > 3 secs Pale/Mottled/Ashen blue Normal colour skin, lips and tongue Pallor colour reported by parent/carer · Cool peripheries Cvanotic lips and tongue **Respiratory Rate** Under 12mths <50 breaths/minute Increased work of breathing All ages > 70 breaths/minute Mild respiratory distress All ages > 60 breaths /minute Respiratory distress <92% 95% or above 92-94% O₂ Sats in air** Mild Chest Recession Moderate Severe **Nasal Flaring** Absent May be present Present Grunting Absent Normal - Tolerating 75% of fluid 50-75% fluid intake over 3-4 feeds <50% fluid intake over 2-3 feeds / 12 hours or appears dehydrated Feeding Occasional cough induced vomiting Reduced urine output Significantly reduced urine output Hydration **Apnoeas** Other Pre-existing lung condition Immunocompromised • Congenital Heart Disease Age <6 weeks (corrected)
 Re-attendance Prematurity <35 weeks
 Neuromuscular weakness Additional parent/carer support required

Also think about...

Babies with bronchiolitis often deteriorate up to Day 3. This needs to be considered in those patients with risk factors for severe disease



GMC Best Practice recommends: Record **NB: Oximetry is an important part of the

Green Action

Provide appropriate and clear guidance to the parent/carer and refer them to the <u>patient</u> <u>advice sheet.</u>

Confirm they are comfortable with the decisions/advice given and then think "<u>Safeguarding</u>" before sending home.

Amber Action

Advice from <u>Paediatrician</u> should be sought and/or a clear management plan agreed with parents.

Management Plan

• Provide the parent/carer with a safety net: use the <u>advice sheet</u> and advise on signs and symptoms and changes and signpost as to where to go should things change

Refer

- Consider referral to acute paediatric community nursing team if available
- Arrange any required follow up or review and send any relevant documentation to the provider of follow-up or review

Urgent Action

Consider commencing high flow oxygen support Refer immediately to emergency care – consider 999 Alert Paediatrician

Commence relevant treatment to stabilise child for transfer

Send relevant documentation

Hospital Emergency
Department / Paediatric Unit

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Management - Primary Care and Community Settings

Glossary of Terms	
ABC	Airways, Breathing, Circulation
APLS	Advanced Paediatric Life Support
AVPU	Alert Voice Pain Unresponsive
B/P	Blood Pressure
CPD	Continuous Professional Development
CRT	Capillary Refill Time
ED	Hospital Emergency Department
GCS	Glasgow Coma Scale
HR	Heart Rate
MOI	Mechanism of Injury
PEWS	Paediatric Early Warning Score
RR	Respiratory Rate
WBC	White Blood Cell Count