



Title:	Management of severe bronchiolitis
Version:	Version 4
Supersedes:	Version 3
Application:	The guideline is intended for use by any hospital team caring for infants, children and young people under 16 years age across the Paediatric Critical Care Network in the North-West (England) & North Wales region.

Originated /Modified By:	Originated By:					
Designation:	North-West (England) & North Wales Paediatric Transport Service (NWTS) &					
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Ratified by:	1. North-West (England) & North Wales Paediatric Critical Care ODN					
	2. RMCH (Host Trust): Paediatric Policies & Guidelines & Pharmacy & Medicines					
	Management Committees					
Date of Ratification:	1. PCC Oversight: 24.10.25					
	2. PMMC: completed November 25					
	3. P&G Committee: 12.12.25					

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Planned Review Date:	December 2028
Responsibility of:	Clinical lead North-West (England) & North Wales Paediatric
	Critical Care ODN & NWTS guideline lead consultant

Minor amendment (if applicable) notified to:	
Date notified:	

EqIA Registration Number:	EQIA
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1. Detail of Procedural Document

Management of severe or life-threatening bronchiolitis

2. Equality Impact Assessment

Equality Impact Assessment

Please record the decision whether the policy, service change or other key decision was assessed as relevant to the equality duty to:

Eliminate discrimination and eliminate harassment

Advance equality of opportunity

Advance good relations and attitudes between people

Relevant	YES	Guideline relevant for paediatric age group only
Where the decision was REI details of the outcome of the assessment and summarise be taken to eliminate or mit advance equality or justification.	the full impact the actions that will cigate adverse impact,	Intended for use across North-West (England) & North Wales region for those under 16 years of age. Appropriate PEWS and observation target ranges included for all age groups. Risk of occult hypoxaemia highlighted IE that it is more than 3 times greater in Black vs White pts AND may over-estimate SpO ₂ between 1.5-5%.
EqIA registration Number fo	or RMCH:	

3. Consultation, Approval and Ratification Process

This guideline was developed with input from:

- North-West (England) and North Wales Paediatric Transport Service (NWTS).
- North-West (England) and North Wales Paediatric Critical Care Operational Delivery Network
- Representatives from the Local Hospital Teams within network above.

These guidelines were circulated amongst the North-West (England) and North Wales Paediatric Critical Care Operational Delivery Network for comments on the 10.10.25

All comments received have been reviewed and appropriate amendments incorporated.

These guidelines were signed off by the PCC ODN guidelines committee on Date.

For ratification process for network guidelines see appendix 1.

4. Disclaimer

These clinical guidelines represent the views of the North-West (England) and North Wales Paediatric Transport Service (NWTS) and the North-West (England) and North Wales Paediatric Critical Care Operational Delivery Network (PCC ODN). They have been produced after careful consideration of available evidence in conjunction with clinical expertise and experience. It is intended that trusts within the Network will adopt this guideline and educational resource after review and ratification (including equality impact assessment) through their own clinical governance structures.

The guidance does not override the individual responsibility of healthcare professionals to make decisions appropriate to the circumstances of the individual patient.

Clinical advice is always available from NWTS on a case-by-case basis.

Please feel free to <u>contact NWTS</u> (01925 853 550) regarding these documents if there are any queries





<u>SEVERE:</u> $FiO_2 > 0.5$ to maintain $SpO_2 > 92\%$, $\uparrow HR$, $\uparrow RR$, $\uparrow WOB$, frequent apnoeas (>2/hr) but not needing BVM <u>LIFE-THREATENING DISEASE:</u> $SpO_2 < 88\%$ despite high flow oxygen / NIV, respiratory acidosis (pH <7.25) despite CPAP / BiPAP, exhaustion, grunting, apnoea needing BVM or frequent with associated desaturations +/- bradycardia

ASSESSMENT:

- Discuss with +/- review by Paediatric Consultant. NB consultant review for those with life-threatening bronchiolitis
- HR, BP, RR, 3-lead ECG, PEWS, Pre (Right hand) & Post (legs) ductal SpO₂ (to exclude congenital heart disease)
- Start Low Flow Nasal Cannula O₂: Aim SpO₂ >90% or >92% if any Risk Factors (see below). Insert NGT.
- Blood Gas with lactate/glucose; CXR (check lung fields and size/shape of heart) + NPA for respiratory viral screen

RISK FACTORS FOR SEVERE DISEASE: NB Aim SpO₂ > 92%

- < 6 weeks CGA +/- weight < 5 kg
- Prematurity (especially < 32/40)
- Chronic lung disease: especially if O₂ dependent
- Congenital heart disease or cardiomyopathy
- Anatomical defects of airway
- Neuromuscular disorders
- Immune deficiency
- Trisomy 21

CONSIDER DIFFERENTIAL DIAGNOSES: Sepsis (including HSV encephalopathy or Pertussis or Measles); Cardiac (check size/shape heart on CXR); Metabolic/Endocrine; Safeguarding; Surgical: see <u>Collapsed neonate/infant</u>

SIGNS OF DETERIORATION:

- Failure to achieve target SpO₂ (not transient)
- ↑WOB / ↑HR / ↑RR / Rising Lactate
- Respiratory Acidosis: Poor CO₂ clearance (↑CO₂)
- Recurrent apnoea: causing ↓HR +↓SpO₂ +/- needing BVM

NO APNOEAS

- Escalate to Heated Humidified High Flow Nasal Cannula O₂ (HFNCO₂) @ 2L/kg/min (max 60 L/min)
- Neonates may go up to 8 L/min regardless weight (if ≤ 4 kg)
- Blood Gas after 1 hour

DETERIORATION

- Escalate to CPAP 6-8 cmH₂O
- Gas after 1 hour
- Senior Review

DETERIORATION: escalate to BiPAP

D/W NWTS: Use NWTS referral

APNOEAS

FREQUENT APNOEAS AT ANY TIME:

- Paediatric/Anaesthetic Consultant Review
- D/W NWTS (Use NWTS <u>referral form</u>)
- Early BiPAP (strong evidence of benefit):
- Pressure: High/PIP = 10; Low/PEEP = 6
 Ti = 0.5-0.7 Back-up rate = 30/min
- Ti = 0.5-0.7 Back-up rate = 30/min Apnoea time = 20 secs
- Repeat blood gas in 1 hour
- NIV care (see page 4)
- Consider transfusion PRC if Hb < 100 g/L
- Aim Hb ≥ 100 g/L to ↓apnoea frequency & severity, especially in ex-prem/CLD
- No clear evidence for benefits of using caffeine

INDICATIONS FOR INTUBATION: NWTS intubation guideline

- Refractory hypoxia despite NIV CPAP/BiPAP or HFNCO₂ for infant/older child
- Marked ↑ WOB, impending exhaustion
- Recurrent significant apnoeas despite BiPAP
- ↑pCO₂ > 10 kPa with respiratory acidosis pH <7.25 despite non-invasive support (capillary gas)





CARE FOR PATIENTS WHO DON'T NEED INTUBATION

AIRWAY:

To clear blocked nose: nasal 0.9% sodium chloride drops +/- gentle nasopharyngeal suction

BREATHING

- Optimise support via HFNCO₂ or NIV CPAP/BiPAP (flowchart page 3)
- Make all efforts to improve seal with available interfaces (trial prongs/mask); use dummy to encourage infant to keep mouth closed & maintain PEEP
- Positioning: elevate head of cot (30 45°) & change position 2-4 hourly e.g. supine, right, left sides & prone position (to improve oxygenation and secretion clearance).
 - NB when prone, always place a roll under pelvic and shoulder girdles. Aim: abdomen just lifts off bed (hand should easily slide under abdomen) & so that abdominal contents not splinting diaphragm
- No clear evidence of benefit for addition of caffeine to treat apnoea's in bronchiolitis. May be considered in under 6 -12 weeks corrected gestational age patients, especially for those who were ex-premature, but evidence still equivocal.

CIRCULATION

- Always check pre (right hand)/post (either foot) ductal SpO₂ & presence femoral pulses, murmur, or liver
- Check heart size on CXR looking for cardiomegaly or congenital heart disease
- If suspect congenital heart disease (CHD) or cardiomyopathy: consider local ECHO ASAP (see <u>Collapsed</u>
 Neonate/Infant Guideline)
- If known CHD check with parents & aim for their usual SpO₂ range
- Treat hypotension/shock (see <u>NWTS shock guideline</u>)

DISABILITY/SEDATION (if agitated on NIV)

- Cluster cares e.g. turn, suction, change nappy 2-4 hrly. Aim medical review/blood gases at same time
- Non-pharmacological: swaddling, oral sucrose, regular aspiration of OGT/NGT to prevent gastric distension
 Pharmacological: use ONE agent due to risk of over-sedation in pt with an unprotected airway.

 Promethazine 0.5-1 mg/kg/dose IV or enteral 6-8 hourly PRN. Avoid more frequent or higher doses as risk of over-sedation in pt with an unprotected airway. AVOID promethazine if patient on erythromycin or ondansetron or domperidone as all these drugs cause prolonged QT interval & risk or arrhythmias increased.

NB CAUTION: Use of chloral hydrate

MRHA drug safety alert 2021 was highlighted by PCCS & NPPG statement in 2022: new restriction to use of chloral hydrate due to the potential for carcinogenic effects, based on animal data. Licensed use limited to short-term (max 2 weeks) treatment of severe insomnia, only in over 2 years of age with a neurodevelopmental disorder and where the insomnia affects normal daily life. Chloral is a gastric irritant.

PCCS/NPPG statement emphasised use of alternative agents eg promethazine.

It may be appropriate to use chloral hydrate short-term, but only when alternative agents unsuccessful Chloral Hydrate: dose 10-15 mg/kg/dose enterally 6-8 hourly PRN. If used for \geq 5 days need to wean the dose to avoid withdrawal or delirium before stopping.

EXPOSURE/SEPSIS:

- Send respiratory viral cultures (+/- extended screen) & blood cultures as appropriate
- If suspected sepsis, see <u>Collapsed Neonate/Infant Guideline</u> & <u>Sepsis Guideline</u>.

FLUIDS/FEEDING:

- Severe respiratory distress, FiO₂ > 0.5 or deteriorating: keep NBM, start IV maintenance fluids 100 mL/kg/day (in those up to 10 kg in wt). NB reduce to 70 mL/kg/day if Na < 130 mmol/L. Watch blood glucose.
- Maintenance fluids: ideally Plasmalyte 148 + 5% glucose if available (& glucose stable ≥ 3 mmol/L)
- Stable & improving? start small NGT/OGT feeds e.g. 2-5 mL/hour then increase gradually as tolerated aiming for 100 mL/kg/day 2-3 hourly feeds. Consider continuous/hourly feeds if bolus feeds cause vomiting or splinting of diaphragm while on NIV CPAP/BiPAP. Switch from NGT to oral feeding when on low flow O₂
- Keep input/output fluid chart, watch U&Es. Aim for urine output 1-2 mL/kg/hr (calculate 4-6 hrly)





CARE FOR PATIENTS THAT DO NEED INTUBATION

Discuss with NWTS consultant

Print out appropriate NWTS emergency drugs guide or https://www.nwts.nhs.uk/emergency-drug-guides

AIRWAY:

- For intubation: use Intubation Guidelines (includes a paediatric checklist) & ETT fixation
- Always use CUFFED ETT if ≥ 3 kg (if possible)
- Use an UNCUT ETT as this makes optimising ETT position & securing ETT much easier
- Place an NGT to decompress the stomach (prior to intubation if possible)
- CXR: to visualise ETT tip (aim around T2 or midway between clavicles & carina), check position NGT & exclude pneumothorax or lobar collapse/consolidation

BREATHING/VENTILATION:

	Tidal Volume	PEEP cmH ₂ O	PIP cmH₂O	Rate (bpm)	Inspiratory Time (Ti)	I:E ratio
Initial settings	5-8 mL/kg (IBW) Max 10 mL/kg	5-10	Limit (ideally) < 30	≤ 30 - 40	0.6 - 0.8 secs	1:1 -1:2 OR if wheezy 1:2-1:3 (+ slower rate)

- Titrate FiO₂ (as required) to achieve SpO₂ > 90-92%.
- Use either an appropriately sized Heat & Moisture Exchanger (HME) filter OR active heated humidification via ventilator circuit. NB too large or a waterlogged HME will cause ↑CO₂
- Tolerate permissive hypercarbia if pH > 7.15 (as long as haemodynamically stable)
- **Suction** with 'saline lavage' i.e. 0.9% sodium chloride 1-2 mL via ETT to relieve mucus plugging. Instil 0.9% NaCl, allow few breaths (either via ventilator or via bagging circuit) & then suction
- Regular capillary blood gases: 4-6 hourly with lactate

Circulation:

- Secure 2 peripheral IV cannula preparing for transfer.
- Treat hypotension if present (fluid boluses +/- inotropes: <u>NWTS shock guideline</u>)

Disability/Sedation:

- Keep well sedated during stabilisation.
- Use: Morphine 20 microgram/kg/hr +/- Midazolam 60-120 microgram/kg/hr + Rocuronium boluses 1 mg/kg/dose
- If transfer is delayed: Midazolam may be swapped for promethazine 0.5-1 mg/kg/dose 6 hourly via IV or NGT once stable and feeds started, but always D/W NWTS

Exposure/Sepsis:

- Start appropriate antibiotics / antivirals for age (30-40% may have associated bacterial infection).
- Send blood & sputum cultures, & NPA for extended respiratory viral screen (including C-19 & Pertussis PCR)

Fluids/Feeding:

- Continue IV fluids at 100 mL/kg/day (for ≤ 10 kg) during stabilisation. Keep NBM if transfer within 4-6 hrs.
- Aim for UO 1-2 mL/kg/hr. Watch blood glucose, biochemistry and fluid balance.
- If transfer is delayed (keep in regular contact with NWTS): only consider enteral feeds once stable & lactate < 2 mmol/L. Start NG feeds 2-5 mL/hr. Gradually increase up to full feeds 100 mL/kg/day 2-3 hourly feeds.

Transfusion:

• Packed cells only if Hb < 70 g/L in haemodynamically stable and easily oxygenated patient.

Note: Bronchospasm

- Wheezing in infants with bronchiolitis is usually due to narrowing of the airway with secretions & oedema.
 Bronchospasm & asthma can happen in infants (see <u>BTS/NICE guidelines</u>), but is rare, & the effect of bronchodilators are not guaranteed.
- For suspected bronchospasm, nebulised bronchodilators (ipratropium bromide <u>not</u> salbutamol) can be tried, but should be discontinued if not effective.
- In responders, consider steroids, magnesium sulphate bolus IV +/- aminophylline IV bolus, then infusion.
- Discuss with Respiratory consultant (see **NWTS asthma guideline**)



REGULAR ASSESSMENT: check stable/improving observations/PEWS

plus regular blood gases as appropriate

Guidelines for management of severe bronchiolitis in infants i.e. up to 12 months age CGA



POTENTIAL WEANING STRATEGY FROM OR BIPAP OR CPAP OR HFHNCO,

NB NO GUIDELINE REPLACES CLINICAL JUDGEMENT

STABILITY CRITERIA WHEN WEANING FROM NIV BIPAP (OR CPAP)

SpO₂ > 90% (>92% if any risk criteria)

Good respiratory drive / no apnoea

Respiratory distress settled, if ↑WOB was previously a concern

Normal (or normalising) blood gas—pH, pCO₂ & lactate

Cardiovascularly stable and neurologically appropriate

BIPHASIC POSITIVE AIRWAY PRESSURE: STABLE FOR 24 HRS ON BIPAP + FiO₂ ≤ 50%



Switch directly to Continuous Positive Airway Pressure (CPAP): start at 6-8 cmH₂O



CPAP once stable for 6-12 hours Wean O₂ every hour

If $SpO_2 > 95\%$ reduce FiO_2 by 10% i.e. 50% to 40% If $SpO_2 = 90$ - 95% reduce by 5% i.e. 50% to 45%

Wean PEEP when FiO₂ = 30-35% & stable for 4 hrs



STABILITY CRITERIA ON CPAP: PEEP = $4-6 \text{ cmH}_2\text{O} + \text{FiO}_2 = 30-35\% + \text{SpO}_2 > 90\%$ for 4 hrs RR within normal range for age (or underlying condition)

No significant recession, tolerating time off CPAP during cares (up to 15 mins)

Consider switching to HFHNCO₂ OR directly to LFNCO₂



HFHNCO, once infant stable for 6 hours

Wean FiO₂ until FiO₂ < 30% Then reduce flow gradually to 1 L/kg/min Once stable for 6 hours switch to LFNCO₂



LFNCO₂ once infant stable for 6 hours

Wean every hour that SpO₂ > 90% if stable

If patient fails at any step, go back onto previous step/plan and review with senior paediatrician





SUGGESTED DISCHARGE HOME CRITERIA FOLLOWING ADMISSION FOR BRONCHIOLITIS

- Consider discharge when observed and stable over previous 6-8 hours
- SpO₂ > 90% in air (> 92% if any risk factors present see page 3)
- Respiratory rate: less than 60 /min (under 1 year); < 50 /min (over 1 year)
- Heart rate < 150 /min
- Not requiring suction
- Apyrexial
- Tolerating 100 mL/kg/day enteral feeds (orally fed)
- Breast feeds not lasting more than 25 minutes plus no maternal concerns re feed volume
- Infants > 6 months and tolerating solids: aim approx. 600 mL/day
- Regular wet nappies
- Assess whether parents need further support via social services, health visitor or hospital at home
- Check parents understand when to seek medical review
- Registrar review prior to discharge home

Parent information leaflets regarding Bronchiolitis are available

HERE OR HERE

https://www.clinicalguidelines.scot.nhs.uk/media/2898/bronchiolitis-leaflet-14092021.pdf

https://www.nhs.uk/conditions/bronchiolitis/

https://bsw.icb.nhs.uk/wp-content/uploads/sites/6/2022/06/NHS-Paediatric-Bronchiolitis-Advice-Sheet.pdf





RESOURCES: Quick reference guide for National PEWS & NWTS targets for PCC patients

TARGETS for managing any critically sick child							
ALL AGES	SpO ₂ ≥ 94% unless cyanotic CHD Lactate ≤ 2 mmol/L Glucose: ≥ 3 mmol/L						
and hypop unreco	CAUTION inaccurate pulse oximetry (SpO₂) readings can occur in severe anaemia, high carbon monoxide levels and hypoperfusion. IN ADDITION, SpO₂ may inaccurately over-read masking hypoxaemia (occult or unrecognised hypoxaemia), i.e. ARTERIAL (true) oxygen saturation < 88% when SpO₂ ≥ 92%. Risk of occult hypoxaemia is >3xs greater in Black vs White pts AND may over-estimate SpO₂ between 1.5-5%.						
AGE		GET MEAN B		AGE		TARGET M	
0-11 Months		45-55		5-12 Ye	ars	60	
1-4 Years		55-60		>13 Yea	ars	60-6	5
		Res	spiratory Rat	e (Score up to 4	1)		
Score	4	2	1	0	1	2	4
0-11 months	0-10	11-20	21-20	31-49	50-59	60-69	≥70
1-4 years	0-10	11-20		21-39	40-49	50-59	≥ 60
5-12 years	0-10	11-15	16-20	21-24	25-39	40-49	≥ 50
>13 years	0-10		11-15	16-24	25-29	30-39	≥ 40
ALL AGES Score			Respira	tory Distress (S	Score up to 4)		
0 = none	None						
1 = mild	Nasal flaring	g, subcostal re	ecession				
2 = moderate	Tracheal tug	g, intercostal	recession, ins	spiratory or exp	iratory noises	5	
4 = severe	Supraclavicular recession, grunting, exhaustion, impending respiratory arrest						
ALL AGES Score		Oxygen Saturations (Score up to 4)					
0				95-100%			
2				92-94%			
4				≤ 91%			
ALL AGES Score		(Oxygen Requ	irement (Score	<u> </u>	AGES	
0				Room Air			
2			(0.01 up to 4 litro			
4	NB High flo	w humidified	NC oxygen, I	4 or more litre NIV CPAP or BiP	•	respective of O ₂	requirement)
	<u>'</u>		Heart Rate (S	Score up to 4)			
Score	4	2	1	0	1	2	4
0-11 Months	0-80	81-90	91-110	111-149	150-169	170-179	≥ 180
1-4 Years	0-60	61-70	71-90	91-139	140-149	150-169	≥ 170
5-12 Years	0-60	61-70	71-80	80-119	120-139	140-159	≥ 160
>13 Years	0-50	51-60	61-70	71-99	100-119	120-129	≥ 130
Score	Blood Pressure Systolic (Score up to 4) Score 4 2 1 0 1 2 4						
0-11 Months	0-50	51-60	61-70	71-89	90-99	100-109	4 ≥ 110
1-4 Years	0-50	51-60	61-70	81-99	100-119	120-109	≥ 110
5-12 Years	0-30	71-80	81-90	91-109	110-119	120-129	≥ 130
>13 Years	0-80	81-90	91-100	101-119	120-129	130-139	≥ 140
	Capillary Refill Time (CRT) (Score up to 2)						
Score	4						
All Ages		≥ 3 secs		<3 secs		≥ 3	





CHECK IF YOUR PATIENT HAS ANY ADDITIONAL RISK FACTORS (NPEWS)					
RISK FACTOR	THINK!				
Baseline vital signs outside normal reference ranges	Always score relevant	Vital	Eg SpO ₂		
_	PEWS value even if this	sign:	Lg 3pO ₂		
	is normal for the patient eg cyanotic heart disease Patient's normal value:		's normal value:		
	<i>C</i> ,		Eg SpO ₂ = 75-85%		
Tracheostomy / Airway Risk / Difficult Intubation	Do you need additional help in an airway emergency? Needs review by				
	local anaesthetics & ENT to	eams. Co	onsider d/w NWTS early		
Invasive/Non-invasive ventilation/high flow	Check oxygen requirement on additional respiratory support.				
	Remember High Flow/BiPA	AP & CPA	P score max 4 on oxygen delivery		
Neutropenic/immunocompromised	Sepsis recognition & escala	ition has	a lower threshold		
<40 weeks corrected gestational age	Sepsis recognition & escalation has a lower threshold (beware				
	hypothermia)				
Neurological condition (ie meningitis, seizures)	Remember: check pupil res	sponse i	anything other than ALERT on AVPU		
Neurodiversity or Learning Disability	Be aware of the range of responses to pain & physiological changes				

NPEWS ESCALATION LEVEL	ACTIONS	MEDICAL REVIEW	OBSERVATIONS / PLAN
E0 – no concerns	None	Not required	Continue current
Score = 0			observations
E1 – Increased monitoring	Inform Nurse-in-Charge	As required	Reassess within 60 mins &
Score = 1- 4	Consider medical review (ST3+ or equivalent) Ensure feedback to parents	Discuss with Nurse-in- Charge whether medical review required	document ongoing plan
E2 – Needs clinical review	Review by Nurse-in-Charge	Within 30 mins	Reassess within 30 mins &
(within 30 mins)	Ensure feedback to parents	Review by ST3+ or	document ongoing plan
Score = 5-8		equivalent	Continuous SpO ₂
		Discuss stabilisation plan with consultant	monitoring
E3 – Needs rapid review	Immediate review by Nurse-	Within 15 mins	Reassess every 30 mins
(within 15 mins)	in-charge	Alert to ST3+ or equivalent	Continuous monitoring
Score = 9-12	Discuss medical plan with	Stabilisation plan to be	SpO ₂ , RR, & ECG
	consultant	agreed after review by	Record full GCS if change
	Senior feedback to parents	consultant	in AVPU
	·	Consider NWTS referral after consultant review	
E4 – Needs emergency review	Immediate review by Nurse-	Immediate	Reassess every 15 mins
(immediate)	in-Charge	Alert to ST3+ or equivalent	Continuous SpO ₂ , ECG, &
Score > 12	Consider immediate 2222 call	Consultant review ASAP	RR
	for immediate emergency medical response	Anaesthetic review	Record full GCS if change in AVPU
	Inform paeds consultant	Consider NWTS referral	
	Senior feedback to parents	after appropriate initial	
		interventions	

NB Escalation levels can also be selected and triggered if parent or carer expresses concern that their child needs increased monitoring +/- clinical review despite PEWS, OR parent or nursing gut instinct irrespective of score.

Medical Plan for Stabilisation:

Structured plan must be documented including:

- 1. Specific actions to be taken
- 2. Expected outcome
- 3. Outcome deadline / in timeframe
- 4. Escalation if outcome not met by deadline / in timeframe



Guidelines for management of severe bronchiolitis in infants i.e. up to 12 months age CGA RESOURCES: links for guidelines etc



Emergency Drug Guide (wt based) via NWTS website home page - for intubation drugs / sedation regime / inotropes.....

https://www.nwts.nhs.uk/emergency-drug-guides

GUIDELINES FOR < 16 YEARS: www.nwts.nhs.uk/clinicalguidelines

STOPP tool = Safe Transfer of Paediatric Patients which includes risk assessment prior to transfer, and checklists

NWTS LocSIPPS includes sizes of ETT, suction, NGT, CVL & arterial lines and checklist for paediatric intubation

Guidelines include: intubation and difficult airway, sepsis including inotropes, insertion of intraosseous needle, collapsed

neonate or infant, management of under 16 years outside PCC level 3 unit, and transfer

EDUCATION: www.nwts.nhs.uk/education-website

Includes recordings of NWTS education eg time critical transfers, sepsis, airway management etc

Login details for NWTS education site are available from your nursing, AHP and medical paediatric critical care

operational delivery network links

OR via email: info@nwts.nhs.uk

FOR DRUG DOSES:

British National Formulary for Children

Emergency Drug Guide via https://www.nwts.nhs.uk/emergency-drug-guides

CONTACT NUMBERS:

NWTS (North-West (England) & North Wales Paediatric Transport Service): Referrals 08000 84 83 82

General enquiries: 01925 853 550

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Date of Review: December 2028

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For the most up to date version of this guideline please visit PCC / SiC / LTV ODN

https://northwestchildrensodnhub.nhs.uk/ or

NWTS website: https://www.nwts.nhs.uk/clinicalguidelines/regionalguidelines-a-z

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