Paediatric—Diarrhoea and/or Vomiting (Gastroenteritis) Pathway—Primary Care & Community



Clinical Commissioning Group

Patient Presents		
Suspected Gastroenteritis?		
History of diarrhoea or vomiting	Consider differential diagnosis	
Assessment of vital signs—Temp / Heart	Risk factors of dehy- dration (Fig.1)	

Do the symptoms and / or signs suggest an immediately life threatening illness?

Yes

Discuss with

Paediatrician

Refer immediately to emergency care

Call paediatric registrar. Stay with child whilst waiting and prepare documentation

Consider any of the following as possible indicators of diagnoses other than gastroenteritis

- Fever—Temperature of >38°C
- Altered state of conscious Recent Head injury
- Signs of meningism Blood in stool
- Bilous (green) vomit) Vomiting alone
- Recent burn
- Severe localised abdominal pain Abdominal distension or
- rebound tenderness Consider diabetes

Red high risk

Unable to wake or if woken stay

Weak, high pitched or continuous cry

Appears ill to healthcare professional

No response to social cues

• Pale, mottled, ashen, blue

Cold extremities

• CRT > 3 seconds

Clinical Findings	Green Low Risk
Age	Over 3 months old
Behaviour	 Responds normally to social cues Content / smiles Stays awake / awakens quickly String normal crying / not crying Appears well
Skin	Normal skin colourWarm extremitiesNormal turgour
Hydration	 CRT <2 secs Moist mucous membranes (except after drink) Fontanelle normal
Urine Output	Normal urine output

- Over 3 months old Altered response to social cues • No smile Decreased activity Irritable Lethargic Appears unwell Normal skin colour Warm extremities Reduced skin turgour • CRT 2-3 secs mouth breather) Sunken fontanelle output for 12 hours • Normal breathing pattern and rate
 - Dry mucous membranes (except for Reduced urine output / no urine No urine output for 24 hours

Amber Intermediate risk

- Normal breathing pattern and rate* Mild tachycardia
- Peripheral pulses normal Additional parent / carer support required
- Abnormal breathing / tachypnoea Severe tachycardia

Any Red



NO Amber, NO Red **NO Red** Continue with breast or bottle feeding

· Heart rate normal

Not sunken

Peripheral pulses normal

Encourage fluid intake, little and often eg 5mils every 5 mins. Children at increased risk of dehydration

All Green

Respiratory

Eyes / other

Heart rate

(See Fig 1) Confirm they are comfortable with decisions / advice given and then think "Safeguarding" before sending home.

Begin Management of clinical dehydration (see Fig 2) Agree management plan with parents & seek advice from paediatric team:

Any Amber,

- Countess of Chester— 01244 365000, bleep Paediatric Registrar
- Macclesfield District Hospital 01625 42100 bleep 3494
- Leighton Hospital -01270 255141, bleep Paediatric Registrar

Refer immediately to emergency care consider 999 / check glucose

Call paediatric registrar Consider instigating management of clinical hydration algorithm (see fig 2) Consider commencing high flow oxygen support.

* Normal paediatric values		
APLS ^T	Respiratory rate at rest (b/min)	Heart rate (bpm)
<1	30-40	110—160
1-2 yrs	25-35	100—150
>2-5 yrs	25-30	95—140
5-12 yrs	20-25	80-120
>12 yrs	15-20	60-100

TAdvanced paediatric Life Support The Practical Approach 5th edition, Advanced Life Support Group edited by Martin Samuels, Susan Wieteska, Wiley-Blackwell / 2011 BMJ books

Fig 1: Children at increased risk of dehydration:

- Aged <1 year old (and especially <6 month age group)
- Have not taken or have not been able to tolerate fluids before presentation
- Have vomited three times or more in the last 24 hours
- History of faltering growth

Fig 2: Management of Clinical Dehydration

- Trial of oral rehydration fluid (ORS) 2 mls/kg every 10 minutes.
- Consider checking blood glucose, especially in <6 month age group.
- Consider referral to acute paediatric community nursing team if available.
- If child fails to improve within 4 hours refer to pae-
- Reintroduce breast / bottle feeding as tolerated
- Continue ORS if ongoing losses.

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.