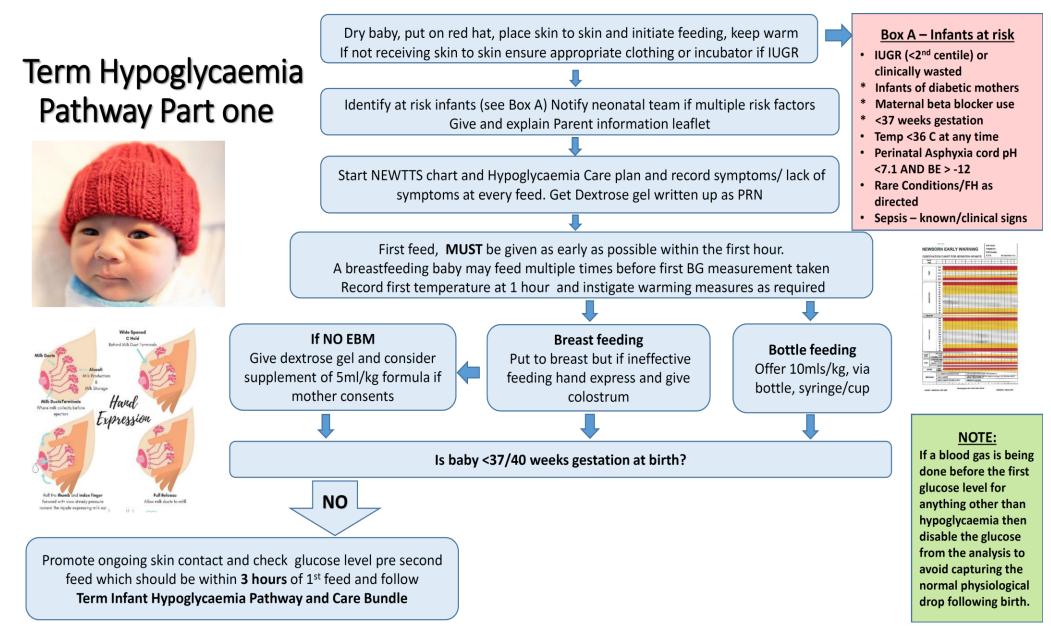
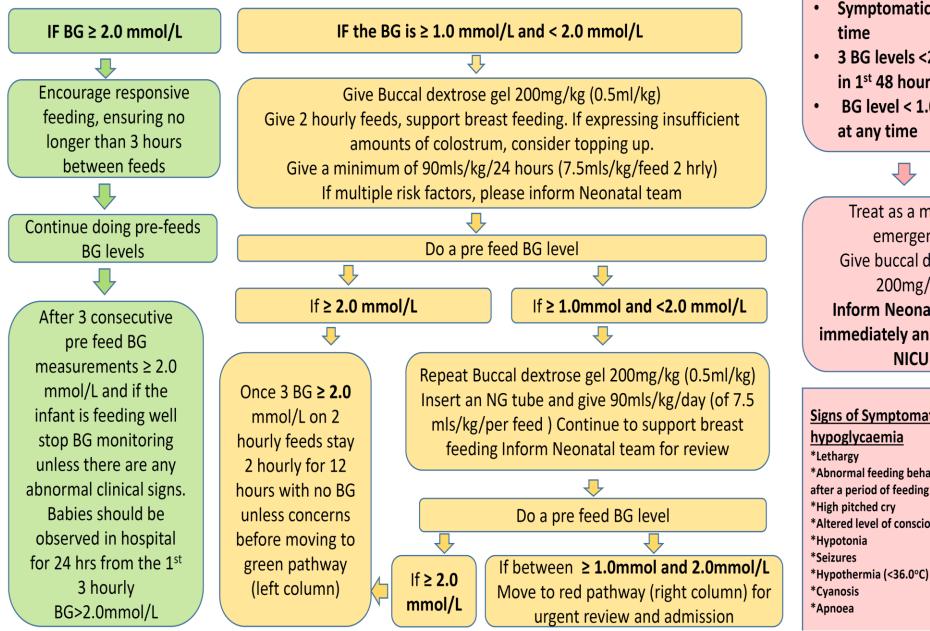
TERM Bundle for Babies at Risk of Hypoglycaemia on the Postnatal Ward



A Blood Glucose Intervention Threshold of 2.0mmol/L is only acceptable in term infants in the first 48 hours of life on PN/LW

TERM Infants Hypoglycaemia Pathway Part Two



- Symptomatic at any
- 3 BG levels <2.0mmol/L in 1st 48 hours
- BG level < 1.0 mmol/L

Treat as a medical emergency Give buccal dextrose 200mg/kg Inform Neonatal team immediately and admit to NICU

Signs of Symptomatic *Abnormal feeding behaviour especially after a period of feeding well *Altered level of consciousness.

Hypoglycaemia Care Plan for Babies at risk of Hypoglycaemia following delivery

Ensure NEWTTS chart is completed for each assessment including TONE, COLOUR, RESPIRATORY RATE, HEART RATE, RESPONSIVENESS, TEMPERATURE

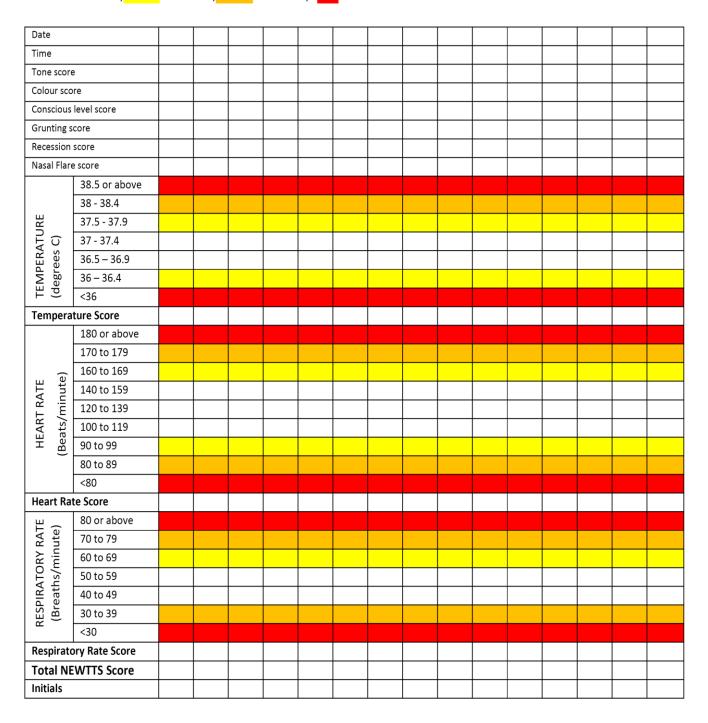
RISK FACTORS FOR HYPOGLYCAEMIA - PLEASE tick all that apply					Addre	ssogr	aph		
IUGR (<2 nd centile)						C			
	IDDM or GDM								
	centile/macrosomic (in								
	l betablockers in 3 rd trim	ester or time of de	livery						
	(<37 weeks gestation)								
	(<36 weeks gestation)								
	h hypothermia (<36 deg				Date a	nd Ti	me of	Birth	
	asphyxia (Cord pH <7.1 h suspected/known seps							DITTI	
	sk Factors – genetic or Fl								
Feeding and BG monitoring									
Date	Route of feeding	Duration of	Type of milk	Volume	Vomit?	PU	BO	Blood	Signed
	NGT/Bottle/Breast	feed						Glucose	
Time									
01									
02									
03									
04									
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Neonatal Early Warning Tracking and Trigger Score Chart (NEWTTS)

Score	0	1	2	3
Tone	Normal			Stiff/Floppy
Colour	Pink			Blue/Grey/White
Conscious level	Alert			Unrousable/Unconscious
Grunting	Absent	Present		
Recession	Absent	Present		
Nasal Flaring	Absent	Present		

Addressograph

Note the scores	from t	he box abo	ove in t	he columns	belo	ow
White = Score 0,	Yellow	= Score 1.	Amber	= Score 2,	Red	= Score 3



NEWTTS Scores and Actions

Score 0 Continue normal care, continue NEWTTS observations for relevant duration Score 1 Adjust thermal environment, repeat NEWTTS observations hourly until score =0 If NEWTTS persistently 1 at 4 hours, contact SHO/ANNP to review within 30 mins. Score 2 Contact SHO/ANNP. Baby should be reviewed within 30 mins. If not reviewed within 30mins, bleep SHO/ANNP to review within 15 mins. If baby is not admitted to neonatal unit, continue NEWTTS observations hourly until score is 0 again. If NEWTTS score is 2 after 4 hours, admit to NICU. If NEWTTS =1 at 4 hours bleep SHO/ANNP for review Score 3 Urgent review needed within 15 mins. Complete assessment required – contact Neonatal team (SHO/ANNP/Registrar) and consider admission to neonatal unit. If not admitted to neonatal unit and NEWTTS score still 3 after 2 hours, admission to neonatal unit is necessary. Condition Frequency of Observations SRC (Sepsis risk calculator) Observations These babies should be observed at the following hours after delivery: 1 hour Early onset risk assessment and review from SHO/ANNP 2 hours 4 hours 6 hours 8 hours 6 hours 8 hours
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review from SHO/ANNP 2 hours 4 hours 6 hours
4 hours 6 hours
6 hours
9 hours
10 hours
12 hours
Then 4 hourly until 24 hours of age
Babies receiving antibiotics for As above, also at 0 hours when decision
proven or suspected infection made to observe, then 4 hourly while on
antibiotics
Babies showing signs of Check blood glucose immediately and
hypoglycaemia eg jitteriness, sweating, perform Observations
lethargy, seizures
Babies at risk of hypoglycaemia – Observations to be taken when conducting
Follow hypoglycaemic pathway every blood sugar
Meconium stained liquor- if there has Thin Mec - 1 hour
been significant meconium staining, and if 2 hours of age
the baby is in good condition, observe for Thick Mec – Observations should be
signs of respiratory distress continued for 12 hours then stopped if all
normal.
Instrumental deliveries As above for 12 hours
Babies causing other concerns Use clinical judgment and on paediatricians
request

The NEWTTS chart is a minimum requirement but is not an alternative for clinical judgement, which should be used in every case

Inclusion Criteria

- Buccal Glucose must be used in conjunction with a feeding plan
- Infants >34+6 gestation and younger than 48 hours after birth
- ALL babies symptomatic of hypoglycaemia with BG <2.6mmol/L whilst arranging urgent review and admission as an emergency

TERM Infants (from 37 weeks gestation)

- Blood Glucose 1.0-1.9mmol/L in an infant with no abnormal signs
- Blood glucose <1.0mmol/L in babies whilst arranging urgent review

Exclusion Criteria

- Babies <35 weeks gestation
- Babies >48 hours of age

Dose

200mg/kg (0.5mls/kg) of 40% dextrose gel

In the event that Dextrose Gel has not been prescribed at birth and a dose is required, it may be given by the midwife as per the SOP so that the dose is not delayed in a hypoglycaemia baby. Use the chart below to determine the dose needed and inform neonatal team so that it can be prescribed on the medication chart.

Weight of Baby (kg)	Volume of Gel (ml)
1.5-1.99	1ml
2.0-2.99	1.5ml
3.0-3.99	2ml
4.0-4.99	2.5ml
5.0-5.99	3ml
6.0-6.99	3.5ml

Administration

Draw up using a 2.5 or 5ml oral enteral syringe

Dry oral mucosa gently with a gauze swab and gently squirt with syringe into the inner cheek and gently massage using latex free gloves

Offer a feed (preferably breast milk) immediately after. Baby can also feed whilst dextrose gel is being drawn up

More than three doses should be discussed with the neonatal team Up to six doses can be given on the postnatal ward

Caveat

If given as a temporising measure for symptoms of hypoglycaemia the baby must be admitted to the neonatal unit even if when seen by the paediatrician / neonatologist the symptoms of hypoglycaemia have resolved.

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