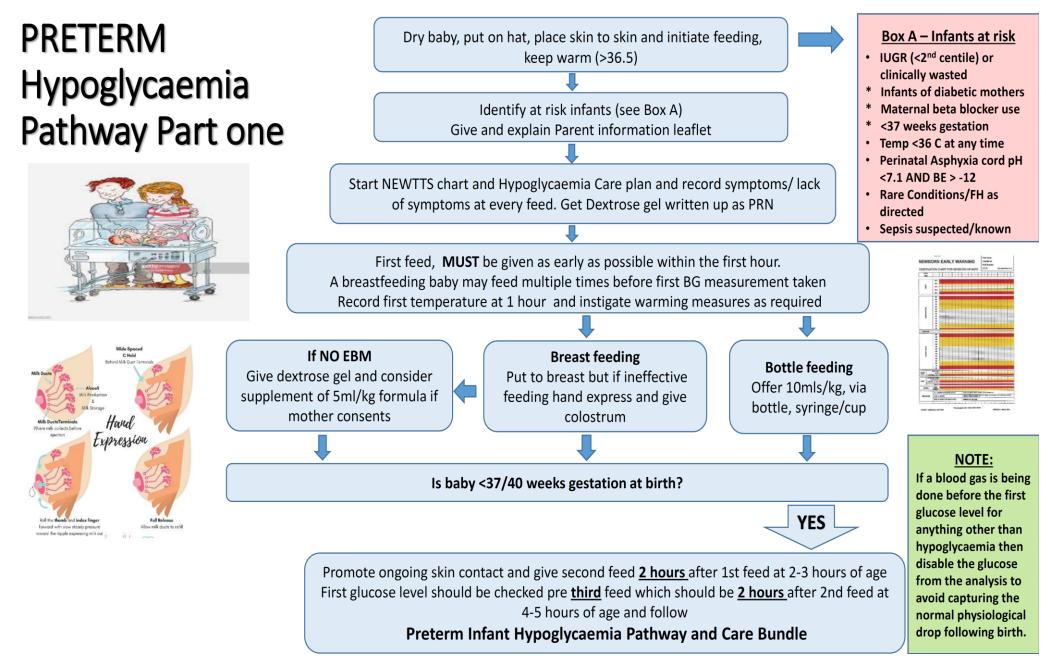
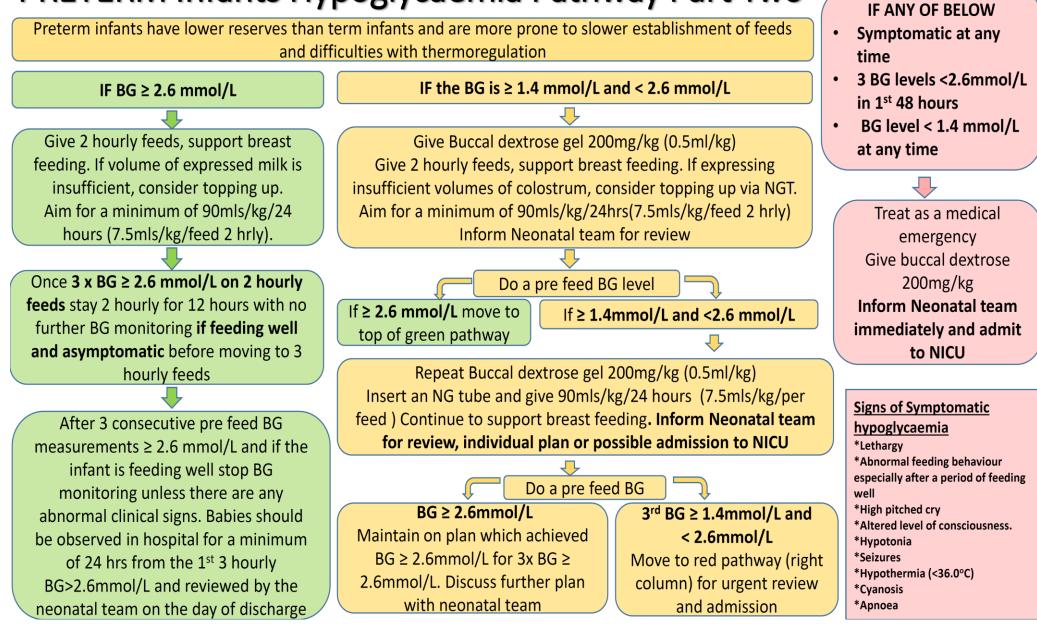
PRETERM Bundle for Babies at Risk of Hypoglycaemia following birth



PRETERM Infants Hypoglycaemia Pathway Part Two



2

Hypoglycaemia Care Plan for Babies at risk of Hypoglycaemia following delivery

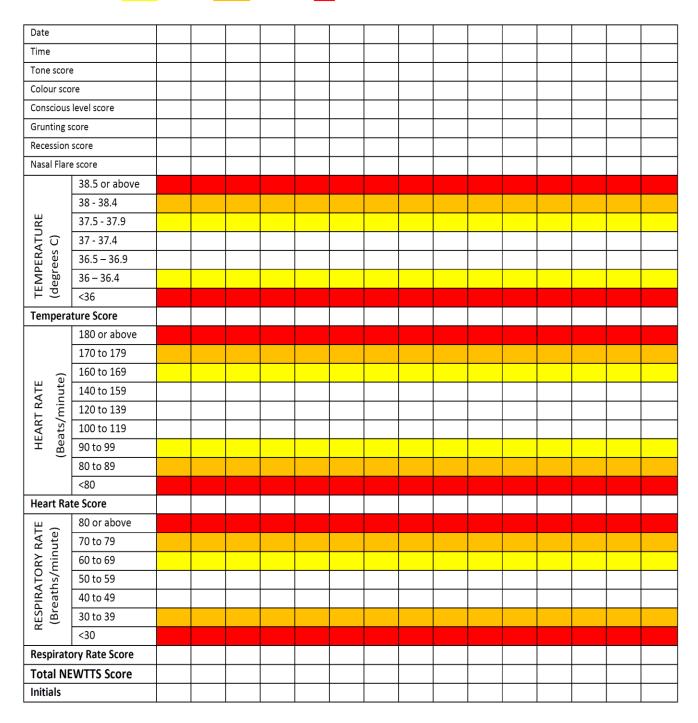
Ensure NEWTTS chart is completed for each assessment including TONE, COLOUR, RESPIRATORY RATE, HEART RATE, RESPONSIVENESS, TEMPERATURE

| RISK FACTORS FOR HYPOGLYCAEMIA - PLEASE tick all that apply | | | | | Addre | ssogr | aph | | | |
|---|---------------------------------------|---------------------|--------------|--------|--------|-------|-------|------------------|--------|--|
| IUGR (<2 nd centile) | | | | | | | - 1 | | | |
| Infant of IDDM or GDM | | | | | | | | | | |
| BW>98 th | | | | | | | | | | |
| Materna | | | | | | | | | | |
| Preterm | | | | | | | | | | |
| | (<36 weeks gestation) | | | | | | | | | |
| Baby wit | | | | | | | | | | |
| | l asphyxia (Cord pH <7.1 | | | | Date a | nd Ti | me of | Birth | | |
| | h suspected/known seps | | | | | | | | | |
| Other Ris | sk Factors – genetic or Fl | 4 | | | | | | | | |
| Feeding and BG monitoring | | | | | | | | | | |
| Date | Route of feeding NGT/Bottle/Breast | Duration of feed | Type of milk | Volume | Vomit? | PU | BO | Blood Glucose | Signed | |
| Time | 1 | | | | | | | | | |
| 01 | | | | | | | | | | |
| 02 | | | | | | | | | | |
| 03 | | | | | | | | | | |
| 04 | | | | | | | | | | |
| 05 | | | | | | | | | | |
| 06 | | | | | | | | | | |
| 07 | | | | | | | | | | |
| 08 | | | | | | | | | | |
| 09 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
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| 19 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 21 | | | | | | | | | | |
| 22 | | | | | | | | | | |
| 23 | | | | | | | | | | |
| 24 | | | | | | | | | | |

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 | | |

Note the scores from the box above in the columns below White = Score 0,<mark>Yellow</mark> = Score 1,<mark>Amber</mark> = Score 2, Red = Score 3



Addressograph

Buccal dextrose gel administration

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

PRETERM Infants (35-36+6 weeks gestation)

- Blood Glucose 1.4-2.5mmol/L in an infant with no abnormal signs
- Blood glucose <1.4mmol/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.

Wales Maternity & Neonatal Network Author: Dr Jamie Evans