

PAEDIATRICS

Just a refresher

OXYGEN DELIVERY

- Oxygen delivery has changed from regular paediatric nasal cannula to using the High Flow nasal prongs via the wall oxygen.
- Attach the high flow nasal prongs to the green tubing and attach the tubing to the wall oxygen.
- Start oxygen at 2L/min if saturations are consistently <90%.
 - Discuss with doctor.
- Nasal prong sizes are based on age.

OXYGEN DELIVERY DIVICES

Oxygen tubing



Neonatal



Infant



Child

HEEL PRICK

- Blood collection for infants <1 year of age and not walking.
- If needing more than 1ml consider finger prick collect.
- If more than one sample is needed then rotate the sample site to prevent infection.
- Consider warming the foot prior to procedure.
 - Do not use warm cloth or glove with warm water as this can cause burns.
- Consider pain relief.
 - Sucrose can be given 30-120 seconds prior to heel prick.
 - Get mother to breastfeed or skin-to-skin.
- If >1ml is needed consider a venepuncture collect.

HOW TO HEEL PRICK



SAFE

Midline= at risk of nerve,
tendon and cartilage damage



How to hold the
lancet- 90 degree
angle

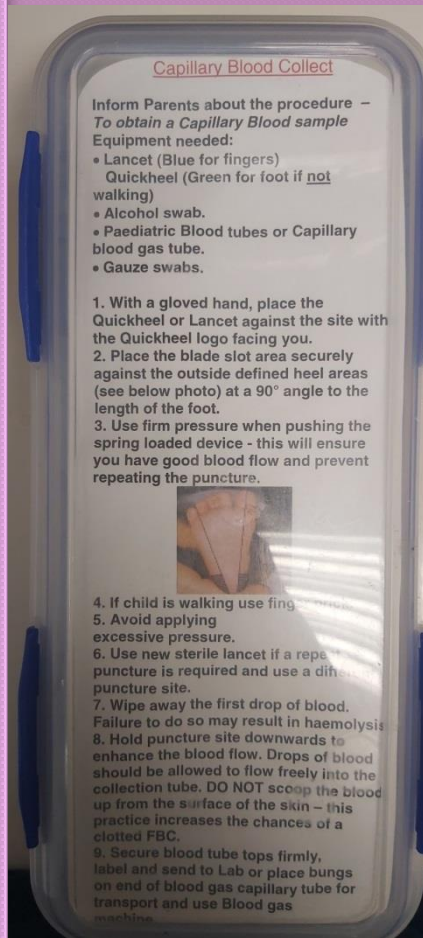
PROCEDURE

1. Gain consent from parents.
2. Choose appropriate site and equipment for amount of blood needed.
3. Gather equipment.
4. Use sucrose up to 2mins prior to the procedure or other pain relief or distraction techniques.
5. Wrap the baby securely and leaving the foot exposed. Position comfortably for yourself, baby and parent.
6. Choose your site and clean with normal saline or alcohol swab.
7. Hold lancet at a 90 degree angle to the foot and firmly press down.
8. Wipe away the first drop.
9. Order of draw: blood gas => purple top => all others.
10. Hold the foot in a way that the site is facing downwards and gravity drops the blood into tubes.
11. Avoid “milking”
12. If blood stops flowing, give a wipe with gauze and a light squeeze for 2-3 drops then ease your pressure.
13. When blood collect is complete hold pressure to the site till bleeding stops.
14. Label samples.
15. Document.

EQUIPMENT

- ◉ Heel warmer
- ◉ Gloves
- ◉ Correct lancet size
 - Lancet (Blue) for fingers
 - Heel prick (Green) if not walking
- ◉ Alcohol swab
- ◉ Blood collection tubes or capillary blood gas tube
- ◉ Gauze
- ◉ Patient label and blood form

BLOOD COLLECTION TIPS



- Make sure the Quickheel log is facing you.
- Blood should drop freely into the tubes- not scrapped in to prevent haemolysing.

BLOOD COLLECTION NEEDLES



Smallest



Biggest

- These are the finger and heel pricks available in the department
- Pink lancet (preemie)= glucose or capillary gas.
- Green (infant)= >0.4mls required.

BLOOD COLLECTION



- Be aware that the blue finger lancet is rather large.
- It is safe to use on bigger kids (those who are walking).
- Blue lancet or the pink and green heel pricks can be used for non-walking babies' heel pricks.

BLOOD COLLECTION

!!HELP!!

- If the patient is in resus and you need blood urgently call **SCBU** or the **PACE** clinic for assistance to collect blood.