

Insertion of cuffed tunnelled central venous catheter

Description

- A cuffed tunnelled central venous catheter (CVC) is usually inserted via the chest wall, with the tip in or near the right atrium. The subcutaneous portion of the catheter has a circumferential cuff which embeds in the soft tissues and secures the catheter
- Single or dual lumen devices are available in a variety of sizes (calibres)
- Requires a GA for removal if in situ for longer than a few days

Indications

- Long term central venous access

What IR need from you

- PiMS IR request form with full clinical details and contact number for referring team
- Alert to infectious precautions, latex allergy and contrast allergy
- Full information on important co-morbidities, such as pulmonary hypertension, clotting abnormalities etc.
- Any information on patient behavioural issues that may affect GA status
- Any information regarding consent issues, such as court order in place

Pre-operative requirements

- FBC and U&Es required for anaesthesia assessment in children with co-morbidities
- Evidence of a recent normal coagulation screen
- Confirmation of a pre-op skin wash

Anaesthesia

- Always requires general anaesthesia
- Fasting advice for families (excl. Puffin ward admissions)
 - **For a morning list** - give food and/or milk drink until 2.30am; they can breast feed until 4.30am and their last clear fluids given until 6.30am. Please wake your child for a clear fluid drink before 6.30am.
 - **For an afternoon list** - give food and/or milk drink until 7.30am; they can breast feed until 9.30am and their last clear fluids given until 11.30am. Please wake your child for last food/milk drink before 7.30am.

For Puffin ward admissions: the ward team will phone families the night before, once the list order is finalised, to check that the patient is well enough for the admission and provide the fasting times.

INTERVENTIONAL RADIOLOGY INFORMATION FOR STAFF



Clear fluids are defined by GOSH as water, squash/diluted juice (such as lemon or orange), or non-fizzy sports drinks such as Lucozade® Sport. Clear fluids do not include fruit juice, milk, fizzy drinks, caffeine drinks or hot drinks. Sweets and chewing gum are considered a food.

Consent

- To be completed by the referring team. Junior doctors must have completed the mandatory IR consent training.

Risks

- See information sheet for further risk information – available at www.gosh.nhs.uk/medical-conditions/procedures-and-treatments/insertion-of-a-central-venous-catheter/
 - Immediate risks
 - Anaesthetic risks
 - Bleeding
 - Damage to adjacent structures
 - Long term risks
 - Infection
 - Displacement/dislodgement/malfunction of device

Post-operative care

- Routine site dressing and care
- See IR operating note for instructions specific to each case