

# Intraosseous needle (IO) observation chart

**Patient Label**

**Time/Date**

**Sites inserted**

**Sites attempted**

R Tibial

R Tibial

L Tibial

L Tibial

Other

Other

## Guidance

There should only be one attempt at insertion in each bone

The IO needle should be secured without bandaging the limb so that the limb can be seen and monitored

One nurse must be solely responsible for monitoring the IO needle at all times

## Observation Chart – to be completed every 15 minutes

Time							
Capillary refill time in distal limb (secs)							
Colour of limb *							
Visible swelling of limb Y/N **							
Limb feels firm Y/N **							

\*

Colour of limb

Pink = 1

Pale = 2

Blue/White = 3

\*\*

Always compare with other limb



**Suspect extravasation if**

**CRT > 4secs / colour is 2 or 3 / limb swelling / limb firmness**

## Actions if suspected infiltration

Stop infusions immediately

Remove IO needle

Call senior orthopaedic doctor to consider immediate fasciotomy

Orthopaedic registrar at Southampton or Oxford available for advice if none available locally