

A Quick Reference Guide to Preparing and Infusing Frozen Stem Cells

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CHECKS



- Consent
- Chemotherapy protocol completed
- Number of days stem cells to be infused E.G. 1 day or 2 days
- Stem cells ordered from stem cell lab
- Venous access - is a canulla required

PICS



- Stem cells prescribed
- Pre and post hydration, Hydrocortisone and Piroton
- Check blood results - correct any abnormalities E.G. low potassium

ASSESSMENTS



- Weight, fluid balance
- Check base line observations - correct any abnormalities e.g. Pyrexia

DRY SHIPPER



- Sign for shipper on arrival ensuring it is for the right patient and sealed
- Identify all accompanying documentation
- Store on ward safely

EQUIPMENT



- Safety Gloves and aprons. Blue tray and sharps bin if required
- Extra syringes, Needles normal saline ampules, 100ml saline bags
- Stem cell giving set
- Scissors

PRE-INFUSION OF STEM CELL



- Administer prehydration and premedication 1 hour before infusion of stem cells
- Check urine output and baseline observations
- Set up Sahara for thawing process. Unseal shipper, check Temp light flashing
- Check number of bags in shipper as prescribed using PPE and safety gloves

INFUSION



- Follow the Sahara thawing process
- 2 person IDcheck at bedside for every bag
- Full set of observations at the start of every bag
- Infuse each bag between 15 to 20 minutes
- Monitor for any infusional reactions E.G. rigors, pyrexia, hypotension
- Record any adverse events
- Post infusion complete all documentation and send relevant documentation to stem cell lab