

Procedure for the irrigation of neonatal extravasation injuries

(Print this page onto Operation Report)

BRADMA LABEL

Date of injury ___/___/___
noted ___:___

Time

extravasation

Time doctor in attendance ___:___

Site of injury _____

Photograph taken prior to treatment Y/N

Hyaluronidase irrigation used Y/N

Peripheral/central cannula

Approximate volume of fluid extravasated ___ ml

Time irrigation commenced ___:___

Procedure

Give adequate analgesia – at least Paracetamol and Sucrose, +/- Morphine (10-100 mcg/kg)
Wrap the infant with the affected limb exposed
Do not use topical local anaesthetic on the affected area
Do not deliberately rupture any formed blisters at any time during the procedure

Wait minimum 10 minutes after the administration of analgesia

Using aseptic technique, clean the affected limb with antiseptic solution appropriate for the infants gestation
Infiltrate the affected area in four quadrants with subcutaneous 1% lignocaine (maximum dose 0.15ml/Kg)
Volume of lignocaine infused = _____

Hyaluronidase irrigation (followed by Saline 0.9% irrigation)

Inject around and through the extravasation injury a total of 5 lots of 0.2mL aliquots of hyaluronidase (concentration 1000 units/mL)
Dissolve the contents of ampoule in 1mL of water for injections, withdraw and dilute to 1.5mL (1000units/mL)

Saline 0.9% irrigation

Irrigate the area using the four puncture marks already made using 0.9% saline in 10-20ml aliquots
If the cannula is still in situ, infiltrate 3 - 5ml 0.9% saline. Then remove the cannula.
Massage out any oedema that develops in the direction of the four puncture marks
If the extravasation fluid includes lipid, irrigate the area until the effluent runs clear
Aim to irrigate with a volume of 100 - 400ml 0.9% saline, depending on the severity of the lesion
Large areas of extravasation may require additional infiltration of local anaesthetic during the procedure

When irrigation is completed, apply a non-occlusive dressing to the area
Continue to elevate the affected limb
Do not apply hot or cold packs to the affected limb
Antibiotics are only required if evidence of infection occurs
Review the affected area within 24 hours

Neonatal Consultant informed Y/N

Plastic surgery informed Y/N

Parents informed Y/N

Incident report completed Y/N

Signed _____

Date & Time _____