

Administration

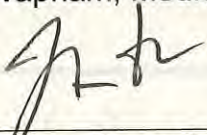

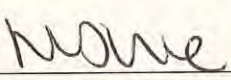
PATIENT GROUP DIRECTION (PGD) FOR

SODIUM CHLORIDE 0.9% INFUSION – CHILDREN UNDER 10

YOU MUST BE AUTHORISED BY NAME, UNDER THE CURRENT VERSION OF THIS PGD BEFORE YOU ATTEMPT TO WORK ACCORDING TO IT

Clinical Condition	
Indication	Fluid replacement for children under the age of 10 years who are haemodynamically unstable and in danger of cardiovascular collapse.
Inclusion criteria	Children (under the age of 10) with patent Intra Venous cannula or Intra Osseous needle access. Urine volume less than 0.5ml/kg/hr External haemorrhage Children who present with signs of haemodynamic instability; Peripheral cyanosis Reduced level of consciousness Hypotension Tachycardia Capillary refill time (CRT) more than 2 seconds
Exclusion criteria If any of the following apply the PGD CANNOT be used and the patient must be referred to a doctor	Patients aged 10 years and over (use Adult PGD) Patients with severe cardiac failure / cardiogenic shock Patients who have any evidence of extravasation, pain, discomfort, swelling, phlebitis or reddening around the cannula site and re-cannulation has failed If patient develops shortness of breath stop infusion and await medical/paramedical support
Caution	Patients with pre-existing cardiac disease, impaired renal function or oedema – if unsure discuss with doctor or transfer to A & E as appropriate
Action if patient declines or is excluded	Refer to doctor / transfer to A & E Document action.
Drug Details	
Name, form & strength	Sodium Chloride Injection BP 0.9% for intravenous infusion
Legal status	Prescription Only Medicine (POM)
Route/Method	Intravenous or intra Osseous
Dosage	20mls/kg over 5 – 10 minutes whilst waiting for medical / paramedical assistance.
Duration of treatment	Single dose whilst waiting medical /paramedical support
Quantity to administer	20mls/kg.
Side effects	Administration of large quantities may give rise to sodium accumulation, oedema and hyperchloraemic acidosis
Advice to patient/carer	Advise to promptly report redness, swelling or pain around the cannula site <i>at any time</i> . Advise to avoid pulling or tampering with the cannula. Inform the nurse or doctor of any shortness of breath

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Staff Characteristics	
Professional qualifications	Registered nurses and paramedics
Specialist competencies or qualifications	As above after discussion and agreement with the service lead. Has completed the PGD online Open Learning Package and is therefore competent to supply and administer medicines under PGDs in this trust. Has a current UK Resuscitation Council Paediatric ILS or EPLS qualification Is competent in IO needle insertion
Continuing education & training	It is the responsibility of the individual to keep up-to-date with clinical developments as part of their continued professional development.
Referral Arrangements and Audit Trail	
Records/audit trail	Patient's name, address, date of birth, Contact details of GP (if registered), Diagnosis. Volume, batch & expiry. Advice given to patient (including side effects). Signature/name of staff who supplied the medication. Details of any adverse drug reaction and actions taken including documentation in the patient's medical record. Referral arrangements (including self-care)
References/Resources and comments	Current versions of Resuscitation Council Guidance: European Paediatric Life Support & BNF.
Clinical Authorisation	
Lead Doctor	Dr John Devapriam, Medical Director Signature:  Date: 9/7/19
Lead Pharmacist	Dr Alex Johnson, Prescribing Support Pharmacist Signature:  Date: 10.7.19
Organisational Authorisation	
On behalf of Worcestershire Health and Care Trust	Michelle Clarke, Director of Nursing & Quality Signature:  Date: 8/7/19

