



Time Critical Pre-Departure Checklist

Child with Elevated ICP/Blocked VP shunt

To be completed by referring team prior to departure
Contact with the accepting PICU intensivist via 1800 222 378
For advice during transfer

Airway / Ventilation Considerations

Appropriate Sized ETT well secured with spare intubation set available	<input type="checkbox"/>	Blood gas (cap/ven/art) checked once on transport ventilator. Blood glucose reviewed.	<input type="checkbox"/>
NGT inserted and attached to bile bag for drainage	<input type="checkbox"/>	ETCO ₂ in ventilation circuit and visible on transport monitor – targeting 4.5-5Kpa	<input type="checkbox"/>
CXR performed and ETT & NGT position modified if required	<input type="checkbox"/>	Oxygen titrated to achieve O ₂ sats between 94-98% - <u>avoid hypoxia AND hyperoxia</u>	<input type="checkbox"/>
Vent set to achieve 6-8ml/kg/min Tv + RR to keep ETCO ₂ in target. PEEP typically set to 5cmH ₂ O	<input type="checkbox"/>	Appropriately sized ETT suction catheters available (uncuffed ETT size x2 = Catheter French) i.e. 3.5 cuffed ETT has same internal diameter as a 4.0 uncuffed ETT ∴ (4 x 2) = 8 F suction catheter	<input type="checkbox"/>
Patient head in midline and elevated to 30° – 45° for transfer	<input type="checkbox"/>	Maintain normothermia – monitor core body temp	<input type="checkbox"/>

Circulation Considerations

It is always recommended that cardiac arrest medications are brought in addition to, and kept separate from, those suggested below

Working Vascular Access x2 (IV/IO)	<input type="checkbox"/>	If patient is already on an inotrope – discuss with PICU re additional inotrope to bring on transfer	<input type="checkbox"/>
Continuous ECG monitoring on transport monitor	<input type="checkbox"/>	Push dose pressors: (to correct hypotension) Choice & dose at discretion of medically responsible consultant.	<input type="checkbox"/>
NIBP set to auto q3-5min if art line unavailable	<input type="checkbox"/>	1. Adrenaline 1:100,000 Add 1ml Adrenaline 1:1000 to 100ml NS = 10mcg/ml solution (<u>label clearly</u>) Dose - 0.1ml/kg = 1microgram/kg per dose	
Maintain minimum systolic BP 0-10yr = [70mmHg + (age in years x2)] >10yr old = ≥90mmHg	<input type="checkbox"/>	2. Ephedrine diluted to conc. of 3mg/ml –as per Clinibee: Dose – 1-12yr = 500micrograms/kg Dose - >12yr = 3-7.5miligrams IPATS Suggestion: Doses 100-200mcg/kg up to 3-6mg typically sufficient – <u>Titrate with great care</u>	
Rescue fluid available – 0.9% Saline	<input type="checkbox"/>	3. Phenylephrine 100mcg/ml - as per Clinibee: Dose - >1mo - 12yrs = 5-20micrograms/kg (max 500mcg) Dose - >12yrs = 100-500micrograms	
Noradrenaline infusion prepared and connected to patient (if in use dose range is 0.02mcg/kg/min to 0.2mcg/kg/min)	<input type="checkbox"/>	IPATS Suggestion: Doses 1-2mcg/kg up to 50-100mcg	

Sedation / Neurosurgical Considerations

Deep sedation required:	<input type="checkbox"/>	Suggested bolus CNS medications for transfer
• <2yr or haemodynamically unstable Morphine 20-40mcg/kg/hr AND Midazolam 3-5mcg/kg/min		Osmotic agents: 3% Saline (3-5ml/kg per dose) OR Mannitol 0.25-1.5gm/kg per dose. Suggest bringing minimum of 2 doses of either medication per patient.
• >2yr and haemodynamically stable Propofol 3-5mg/kg/hr +/- Remifentanyl 0.1 – 0.2mcg/kg/min	<input type="checkbox"/>	Anaesthetic agents: Use & dose at discretion of medically responsible consultant.
• Intermittent/continuous NMB blockade	<input type="checkbox"/>	1. Ketamine 0.5-2 mg/kg / Fentanyl 1-2mcg/kg 2. Rocuronium - 0.6-1.2 mg/kg 3. Propofol 1-2 mg/kg 4. Lorazepam Dose 0.1mg/kg max 4mg for seizures

Document Details	
Document Type:	Clinical Guideline
Document Name:	Management of Patients with Severe Traumatic Brain Injury
Document Location:	IPATS Clinical Guideline Database
Version:	2.2
Effective From:	August 2025
Review Date:	August 2028
Author:	Dr Cathy Gibbons
Approved by:	Dr Dermot Doherty Consultant Intensivist CHI Dr Heike Bruell consultant intensivist CHI/NASCCRS
Related Documents:	
<p>The Irish Paediatric Acute Transport Service (IPATS) in conjunction has produced this clinical guideline with the Paediatric Intensive Care Unit and Neurosurgical Department, in Children's University Hospital, Temple Street. It has been designed for nurses, doctors and ambulance staff to refer to in the emergency care of critically ill children.</p> <p>This guideline represents the views of IPATS and was produced after careful consideration of available evidence in conjunction with clinical expertise and experience. The guidance does not override the individual responsibility of healthcare professionals to make decisions appropriate to the circumstances of the individual patient.</p>	