



# Time Critical Pre-Departure Checklist

## Child with Elevated ICP

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 <sub>2</sub> 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 <sub>2</sub> 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 <sub>2</sub> in target. PEEP typically set to 5cmH <sub>2</sub> 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 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 already on Noradrenaline – discuss with PICU re additional inotrope to bring on transfer – likely Adrenaline/Vasopressin	<input type="checkbox"/>
Continuous ECG monitoring on transport monitor	<input type="checkbox"/>	<b>Push dose pressors:</b> (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 <b>1:100,000</b> Add 1ml Adrenaline 1:1,000 to 99ml NS = 10mcg/ml solution ( <u>label clearly</u> ) Dose - 0.1ml/kg = 1mcg/kg per dose	
Maintain <b>minimum systolic BP</b> ≥ 0-10yr = [70mmHg + (age in years x2)] >10yr old = ≥90mmHg	<input type="checkbox"/>	2. Phenylephrine 100mcg/ml Dose - >1mo - 12yrs = 5-20mcg/kg Dose - >12yrs = 100-500mcg	
Rescue fluid available – 0.9% Saline	<input type="checkbox"/>	3. Ephedrine diluted to conc. of 3mg/ml Dose – 1-12yr = 500mcg/kg Dose - >12yr = 3-7.5mg	
<b>Noradrenaline infusion</b> prepared and connected to patient (if in use dose range is 0.02mcg/kg/min to 0.2mcg/kg/min)	<input type="checkbox"/>		

### Sedation / Neurosurgical Considerations

<b>Deep sedation required:</b>		<b>Suggested bolus CNS medications for transfer</b> Use & dose at discretion of medically responsible consultant. Dose titration recommended if haemodynamically unstable	
• <2yr <b>or</b> haemodynamically unstable Morphine 20-40mcg/kg/hr AND Midazolam 3-5mcg/kg/min	<input type="checkbox"/>	1. Ketamine 0.5-2 mg/kg	
• >2yr <b>and</b> haemodynamically stable Propofol 3-5mg/kg/hr +/- morphine 20-40mcg/kg/hr	<input type="checkbox"/>	2. Rocuronium - 0.6-1.2 mg/kg	
• Intermittent/continuous NMB blockade	<input type="checkbox"/>	3. Propofol 1-2 mg/kg	
		4. Lorazepam Dose 0.1mg/kg max 4mg for seizures	
		5. Fentanyl 1-2mcg/kg	

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<b>Approved by:</b>	Dr Dermot Doherty Consultant Intensivist CHI Dr Heike Bruell consultant intensivist CHI/NASCCRS
<b>Related Documents:</b>	
<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>	