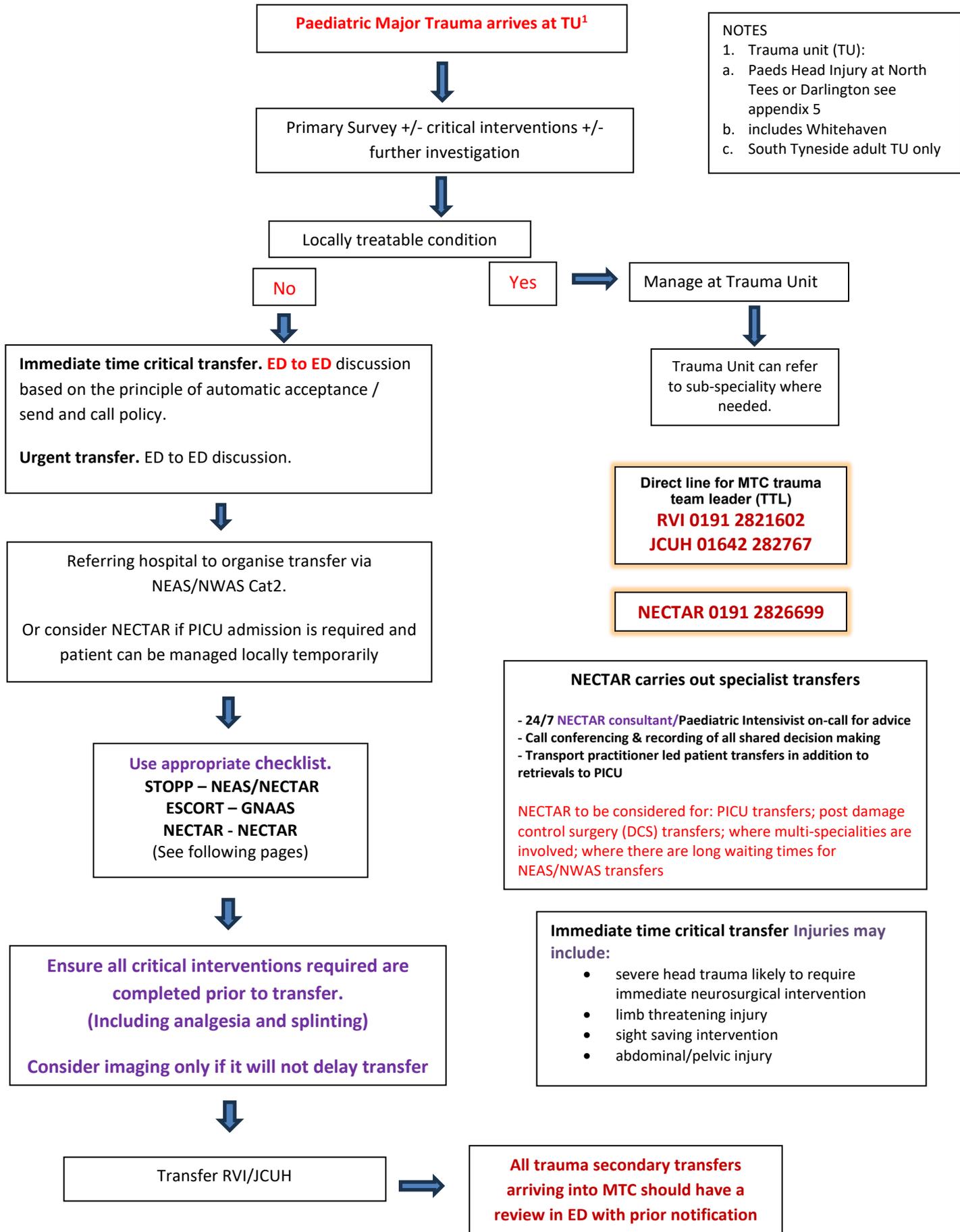


 <p>NORTHERN TRAUMA NETWORK </p>	<p>Paediatric Secondary Transfer Pathway</p>
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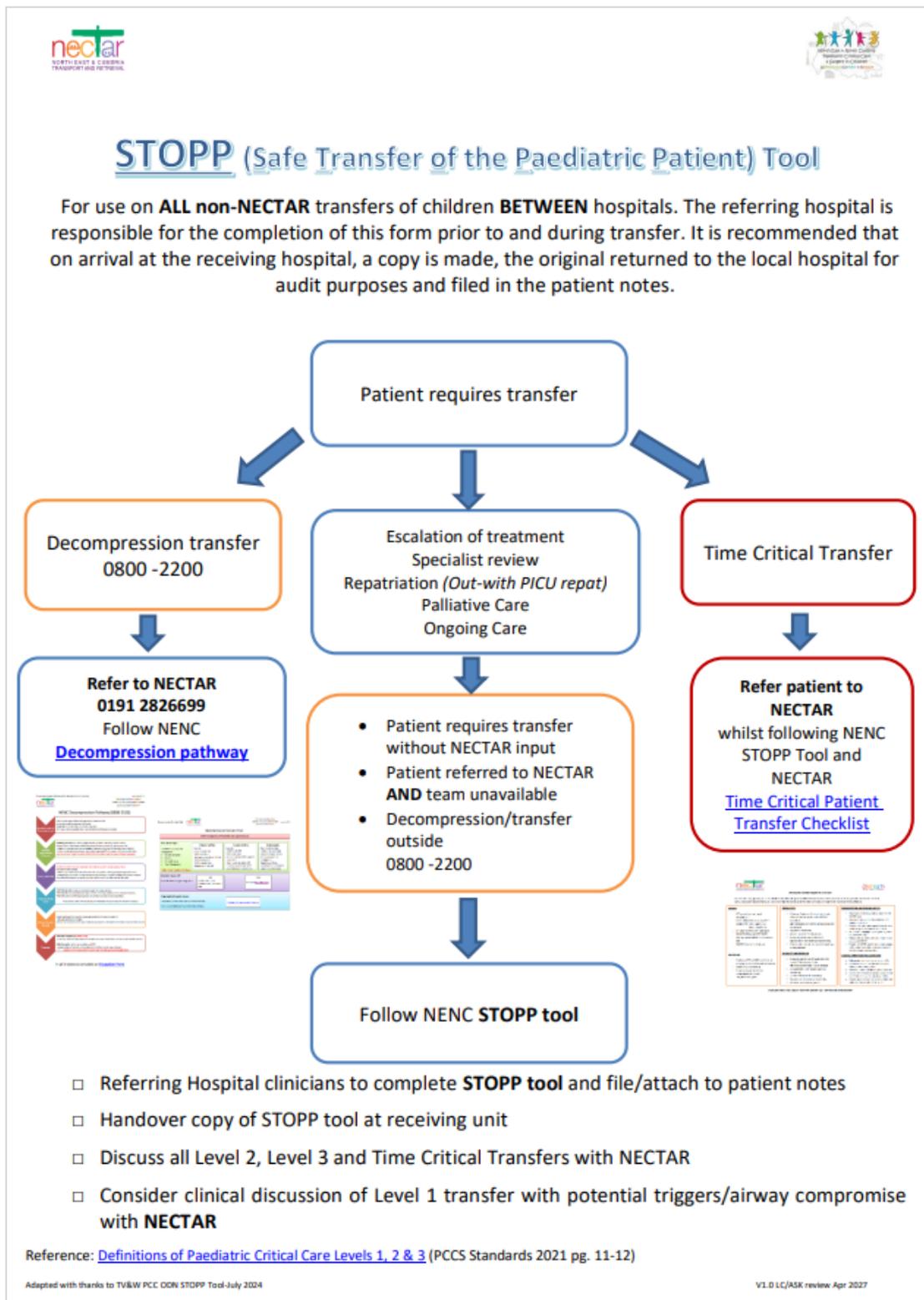
Secondary transfer pathway follows on Page 2, with supporting appendices.



Appendix 1 – STOPP Tool for all Non-NECTAR Transfers

See screenshot below, please follow hyperlink for full tool

[STOPP safe transfer of paediatric patients tool \(interhospital transfer tool\)](#)



Appendix 2 – ESCORT - GNAAS



GNAAS Hot Retrieval Service

Appendix 4 - ESCORT Checklist

E	Equipment	<input type="checkbox"/> Vacuum mattress <input type="checkbox"/> Establish on ventilator <input type="checkbox"/> Oxygen calculation and cylinder contents checked <input type="checkbox"/> Secure patient to transfer trolley <input type="checkbox"/> Emergency drugs, blood and fluids available <input type="checkbox"/> Black and red bags <input type="checkbox"/> Consider spinal protection <input type="checkbox"/> NG tube (if required) <input type="checkbox"/> Temperature monitoring and consider warming blanket <input type="checkbox"/> Arterial line in situ (if required) <input type="checkbox"/> Infusion pumps charged
S	Systemic Examination	<input type="checkbox"/> Full cABCDE examination <input type="checkbox"/> Confirm airway secure <input type="checkbox"/> 2 working accessible IV access <input type="checkbox"/> Pelvic binder in situ (if required) <input type="checkbox"/> Reduce and splint obvious limb fractures (if required) <input type="checkbox"/> TXA given (if required) <input type="checkbox"/> Change clothing to hospital gown <input type="checkbox"/> Secure hospital ID bracelet
C	Communication	<input type="checkbox"/> Discussed with patient's responsible consultant <input type="checkbox"/> Accepted by consultant from receiving hospital <input type="checkbox"/> Exact destination confirmed <input type="checkbox"/> NWAS informed of transfer <input type="checkbox"/> Patient/relatives informed <input type="checkbox"/> Clinical notes and charts copied <input type="checkbox"/> Communicate to receiving team when patient leaving / ETA
O	Observations	<input type="checkbox"/> Commence transfer observation chart <input type="checkbox"/> Full set of pre-transfer observations recorded
R	Recent Investigations	<input type="checkbox"/> Images uploaded to receiving hospital server <input type="checkbox"/> Copies of CT report, bloods, ECG (if available)
T	Team	<input type="checkbox"/> Skill mix of transfer team appropriate <input type="checkbox"/> Communication/phones/radios <input type="checkbox"/> Vehicles and transport back considered

Appendix 3 - NECTAR Pre-intubation checklist

EMERGENCY PRE-INTUBATION CHECKLIST

<u>PATIENT PREPARATION</u>	<u>EQUIPMENT PREPARATION</u>	<u>FINAL PREPARATION</u>
<p>Pre-oxygenation</p> <ul style="list-style-type: none"> <input type="checkbox"/> 100 % O2 <input type="checkbox"/> CPAP via Anaesthetic circuit/Ayre's T-piece +mask <p>Patient Position</p> <ul style="list-style-type: none"> <input type="checkbox"/> Elevate head up to 30° <input type="checkbox"/> Optimised for intubation <ul style="list-style-type: none"> - Pillow - Neck roll <p>IV Access</p> <ul style="list-style-type: none"> <input type="checkbox"/> Adequate <input type="checkbox"/> Patent <input type="checkbox"/> Secure <p>Optimisation</p> <ul style="list-style-type: none"> <input type="checkbox"/> Fluids <input type="checkbox"/> Vasopressors <p>NG Tube</p> <ul style="list-style-type: none"> <input type="checkbox"/> Stop feed <input type="checkbox"/> NGT aspirated/free drainage 	<p>Monitoring</p> <ul style="list-style-type: none"> <input type="checkbox"/> ECG <input type="checkbox"/> NIBP (on cycle) +/- IABP <input type="checkbox"/> SpO2 – tone on <input type="checkbox"/> EtCO2 – in-line/detector <p>Equipment</p> <ul style="list-style-type: none"> <input type="checkbox"/> Suction on - Yankauer/catheters <input type="checkbox"/> Oral / Nasal Airways <input type="checkbox"/> Stethoscope <input type="checkbox"/> 2 laryngoscope handles + blades <input type="checkbox"/> 2 ETT (1 smaller) / Cuffed <input type="checkbox"/> Bougie/Stylet <input type="checkbox"/> Magills forceps <input type="checkbox"/> Syringe for cuff + manometer <input type="checkbox"/> Tape to secure ETT <input type="checkbox"/> Ventilator checked <input type="checkbox"/> Aquagel <p>Drugs</p> <ul style="list-style-type: none"> <input type="checkbox"/> Induction agents/sedation <input type="checkbox"/> Muscle relaxant/reversal agent <input type="checkbox"/> Vasopressor / Inotropes / Fluids <input type="checkbox"/> Sedative Infusion 	<p>Team</p> <ul style="list-style-type: none"> <input type="checkbox"/> 2 intubators/2 Assistants <input type="checkbox"/> RSI/Cricoid Pressure <input type="checkbox"/> Drugs (doses checked) <input type="checkbox"/> Manual in-line stabilisation <p>Communication</p> <ul style="list-style-type: none"> <input type="checkbox"/> Intubation plan shared <p>Difficult Airway Anticipated?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Difficult Airway trolley needed <input type="checkbox"/> Paediatric Anaesthetist required <p>SEE DIFFICULT AIRWAY ALGORITHM</p>

Appendix 4 – NECTAR Time-Critical Neurosurgical Transfer Checklist



TIME-CRITICAL NEUROSURGICAL TRANSFER CHECKLIST

Children requiring immediate life-saving care may present to hospitals without neurosurgical services. However they will require urgent stabilisation and transfer to a neurosurgical centre. This checklist will assist you undertake the time-critical transfer in a safe and timely manner.

AIRWAY	DISABILITY AND EXPOSURE	PREPARATION, PACKAGING & TRANSFER
<ul style="list-style-type: none"> <input type="checkbox"/> ETT secure (correct size & length/avoid nasal) <input type="checkbox"/> Position of gastric tube and tracheal tube confirmed (ETT tip at T2 on CXR ideal for transfer) <input type="checkbox"/> Appropriate HME filter for patient size <input type="checkbox"/> C-spine protection (if necessary) <input type="checkbox"/> Orogastric tube on free drainage <p>BREATHING</p> <ul style="list-style-type: none"> <input type="checkbox"/> Avoid hypoxia - SpO₂ >98% <input type="checkbox"/> Attach ETCO₂ monitoring (aim 4.5-5.5kPa) <input type="checkbox"/> Standard ventilator settings : PEEP 4/ Rate 15-30/ Ti 0.7/PIP to move chest <p>CIRCULATION</p> <ul style="list-style-type: none"> <input type="checkbox"/> Minimum 2 points of IV access for transfer -discuss inotrope options with NECTAR Consultant -consider IO access – no transfer delay for CVC <input type="checkbox"/> Maintain age appropriate systolic BP <input type="checkbox"/> Regular BP - no transfer delay for arterial line <input type="checkbox"/> Consider obtaining a blood group/cross match sample to accompany patient (fully labelled) 	<ul style="list-style-type: none"> <input type="checkbox"/> Obtain CT Head <30min <input type="checkbox"/> Adequate sedation and muscle relaxants -see NECTAR Infusions Guide <input type="checkbox"/> 15min pupillary monitoring <input type="checkbox"/> C-spine protection (if necessary) <input type="checkbox"/> Position head tilt 20-30° <input type="checkbox"/> Identify and treat seizures <input type="checkbox"/> Maintain normal blood glucose <input type="checkbox"/> Aim plasma Sodium >140mmol/L <input type="checkbox"/> Intracranial hypertensive crisis – Bradycardia/hypertension/pupillary dilatation <ul style="list-style-type: none"> <input type="checkbox"/> aim pCO₂/EtCO₂ 4-5kPa <input type="checkbox"/> 2.7-3% Saline 3ml/kg over 15min <input type="checkbox"/> consider Mannitol 0.25-0.5g/kg <input type="checkbox"/> sedate adequately (bolus pre-suction) <input type="checkbox"/> keep moving – don't delay <input type="checkbox"/> Maintain normothermia - regular/core temperature monitoring <input type="checkbox"/> Secondary survey (if trauma) 	<ul style="list-style-type: none"> <input type="checkbox"/> Request urgent 999 Ambulance transfer (Category RED1 or RED2) <input type="checkbox"/> Emergency airway & breathing equipment portable suction/fluids/drugs/adequate O₂ <input type="checkbox"/> Ensure patient & equipment is adequately secured to ambulance trolley <input type="checkbox"/> Ensure smooth journey due to effects on haemodynamics and ICP <input type="checkbox"/> Travel safe – seatbelt on at all times <input type="checkbox"/> Transfer letter with photocopy of relevant notes, results, drugs charts, anaesthetic charts etc <input type="checkbox"/> PACS/copy of all imaging <input type="checkbox"/> Document and highlight any Safeguarding issues <input type="checkbox"/> Keep parents up to date <input type="checkbox"/> Phone receiving team with ETA and inform them if there are any changes in the patient's condition or you are concerned that the patient is deteriorating further

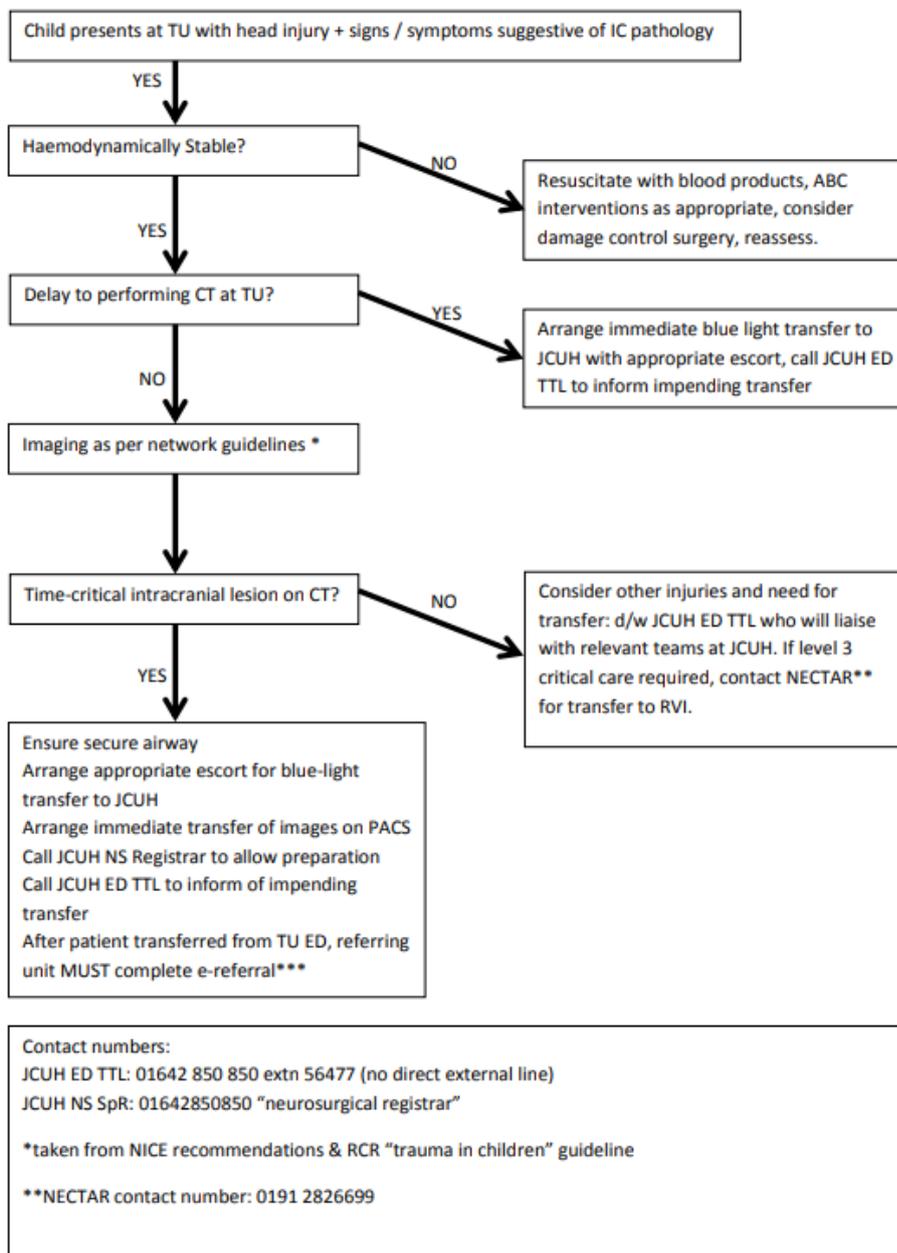
IF AT ANY POINT YOU WANT FURTHER ADVICE CALL NECTAR ON 01912826699

V1.3 ASK review Nov 2027

Appendix 5 – Head Injury at Trauma Unit (North Tees or Darlington)



Child with Head Injury at Trauma Unit (North Tees or Darlington)



***E-referral to be completed via www.NENC-Connect.nhs.uk

AUTHOR/CONTRIBUTORS	B Tweddle NTN Paeds CAG
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RELATED INFORMATION	