

# Management of Trauma Patient with GCS ≤ 13

- The care of patients on this pathway should be directed by a senior doctor
- All patient transfers must be approved by an EM consultant
- Management of any extra-cranial injuries should be as per existing protocols

Primary Survey  
(Document GCS, blood glucose, pupils)



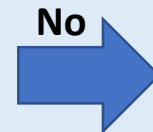
Explanatory Notes

**\*\*Ensure treatment of life-threatening issues as per cABCDE\*\***

## Simultaneous initial management (no delay to CT scan)

- Coagulation screen, U&E, FBC, G+S
- Arterial line
- Urinary catheter
- Orogastric tube (if intubated)

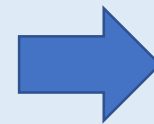
Is this pathway appropriate?  
- Explanatory notes 4.3



Management as per local guidelines

Yes

Anaesthetics/ICM team



If intubation required refer to local checklist and targets below (QR code)

Urgent CT Head +/- Neck  
Send images to tertiary centre



Pre-Transfer Checklist

Acute, traumatic, time-critical lesion?  
OR  
Meets other criteria for urgent transfer to Major Trauma Centre?  
- Explanatory notes 4.4 & 4.5



NoECCN Transfer Guidelines

Yes



No

Management as per local guidelines.  
Inform neurosurgical team via referapatient.org



Target Physiological Parameters

## Prepare for transfer to tertiary centre

- Contact neurosurgical team (JCUH: 07407 819180, RVI (via switchboard): 0191 2336161
- Complete [referapatient.org](http://referapatient.org) (**do not** delay transfer).
- Inform receiving critical care team and receiving ED of transfer JCUH: 01642 850850 or RVI: 0191 2336161
- Ensure family members are updated
- Prepare patient for transfer as per NoECCN guidelines (QR code above) using local NEAS critical care trolley
- Once patient is on critical care transfer trolley and ready for departure contact NEAS on 0191 414 3144. (Explanatory notes Appendix 3)

## Head injury management

- 1g IV tranexamic acid within 3 hours of moderate injury = 2<sup>nd</sup> dose (Explanatory notes 4.10)
- Aim for normothermia.
- Levetiracetam first line for seizure management.
- Maintain physiological parameters as per QR code