Management - Combined Acute and Primary Care



Contact child

services team



	Green - Iow risk	Amber - intermediate risk	Red - high risk
Nature of injury and conscious level	 Low risk mechanism of injury No loss of consciousness Child cried immediately after injury Alert, interacting with parent, easily rousable Behaviour considered normal by parent 	child's own heighttraffic accident; >3m fall)• Alert but irritable and/or altered behaviour• GCS < 15 / altered level of consciousr	 GCS < 15 / altered level of consciousness Witnessed loss of consciousness lasting > 5mins Persisting abnormal drowsiness
Symptoms & Signs	 No more than 2 episodes of vomiting (>10 minutes apart) Minor bruising or minor cuts to the head 	 3 or more episodes of vomiting (>10 minutes apart) Persistent or worsening headache Amnesia or repetitive speech A bruise, swelling or laceration of any size should be considered as dangerous 	 Skull fracture – open, closed or depressed Tense fontanelle (infants) Signs of basal skull fracture (haemotypanum, 'panda' leakage from ears/ nose; Battle's sign (mastoid ecchy) Focal neurological deficit
Other		 Clotting disorder Additional parent/carer support required 	



- Provide safety netting advice
- If concussion, provide advice about graded return to normal activities [Fig 2] and signpost to Bumps Happen self-referral service
- Think "safeguarding" before sending home

Amber Action

- Send to ED for further assessment
- Consider safeguarding risk
- Provide analgesia
- Refer to NICE imaging algorithm [Fig 1] • Discuss with ED or Paediatric senior if <1 year old
- f deterioration suggestive of Treat and stabilise as per <u>STRS guideline</u> raised ICP)
 - Review need for time critical neurosurgical

Urgent Action

- transfer. Liaise with neurosurgical team
- Complete STPN STOPP tool

alert ED team

This guidance has been reviewed and adapted by healthcare professionals across SWL with consen from the Hampshire development groups

This document was arrived at after careful consideration of the evidence available including but not exclusively NICE, SIGN, EBM data and NHS evidence, as applicable. Healthcare professionals are expected to take it fully into account when exercising their clinical judgement. The guidance does not, however, override the individual responsibility of healthcare professionals to make decisions appropriate to the circumstances of the individual patient in consultation with the patient and / or carer.





la' eyes, CSF hymosis)

• Refer immediately to emergency care by 999 and

• ED assess need for CT head within 30 mins [Fig 1]

First Version: Oct 2022 Review Date: Oct 2025

Head Injury Pathway

Clinical Assessment/ Management tool for Children

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Table 2: Modified Glasgow Coma Scale for Infants and Children

	Child	Infant	Score
Eye opening	Spontaneous	Spontaneous	4
	To speech	To speech	3
	To pain only	To pain only	2
	No response	No response	1
Best verbal response	Oriented, appropriate	Coos and babbles	5
	Confused	irritable cries	4
	Inappropriate words	Cries to pain	3
	Incomprehensible sounds	Moans to pain	2
	No response	No response	1
Best motor	Obey commands	Moves spontaneously and purposefully	6
response*	Localises painful stimulus	Withdraws to touch	5
	Withdraws in response to pain	Withdraws to response in pain	4
	Flexion in response to pain	Abnormal flexion posture to pain	3
	Extension in response to pain	Abnormal extension posture to pain	2
	No response	No response	1

Figure 2: suggested graded recovery regime following concussion (taken from BMJ 2016; 355 doi: https://doi.org/10.1136/bmj.i5629 (Published 16 November 2016)







* If patient is intubated, unconcious, or preverbal, the most important part of this scale is motor response. Motor response should be carefully evaluated.