

Observation of traumatic solid organ injury

- Solid organ = liver or spleen
- Observation = no immediate intervention (IR or OR)
- Absolute contraindications: hemodynamic instability, ongoing transfusion requirements, or peritonitis
- Relative contraindications: grade IV/V injuries, blush/pseudoaneurysm/AV fistula on CT, large volume hemoperitoneum, TBI, or cirrhosis
- Note, this guideline does not take in to account concurrent injuries

	Grade I	Grade II	Grade III	Grade IV	Grade V
Bed type	Floor	Floor	Step-down vs. ICU	ICU	ICU
CBC	Next day	q12hrs x24 hrs	q6hrs x24hrs	q6hrs x24hrs followed by q12hrs x24hrs	q6hrs x24hrs followed by q12hrs x24hrs
Abdominal exam	NA	NA	Serial	Serial	Serial
VTE chemoprophylaxis	No hold	Hold x24hrs	Hold x24hrs	Hold x48hrs	Hold x48hrs
Repeat CT scan	No	No	Consider 3 days post-injury	Consider 3 days post-injury	Consider 3 days post-injury
NPO	No	No	No	x24hrs	x24hrs
Activity restrictions	None	None	None	None	None
Return to contact sports	60 days	60 days	90 days with US or CT confirmation of healing	90 days with US or CT confirmation of healing	90 days with US or CT confirmation of healing

FAILURE of observation: hemodynamic instability, downtrending HGB, ongoing transfusion requirements, and/or worsening abdominal pain

OR or IR

Parent Policy: None	Title:	Standard Operating Procedure
	Liver & Spleen Organ Injury Guideline	Effective Date: 04/27/2021

References

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2. Stassen NA, Bhullar I, Cheng JD, Crandall ML, Friese RS, Guillamondegui OD, Jawa RS, Maung AA, Rohs TJ Jr, Sangosanya A, Schuster KM, Seamon MJ, Tchorz KM, Zarzuar BL, Kerwin AJ. Eastern Association for the Surgery of Trauma. Selective nonoperative management of blunt splenic injury: an Eastern Association for the Surgery of Trauma practice management guideline. J Trauma Acute Care Surg. 2012 Nov;73(5 Suppl 4):S294-300.
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