



Pediatric Blunt Abdominal Trauma Evaluation Guideline

Purpose: To establish guidelines to provide the minimum standard of care for any pediatric patient with a suspected blunt abdominal injury.

Scope: Pediatric patient who has sustained a blunt injury to the abdomen.

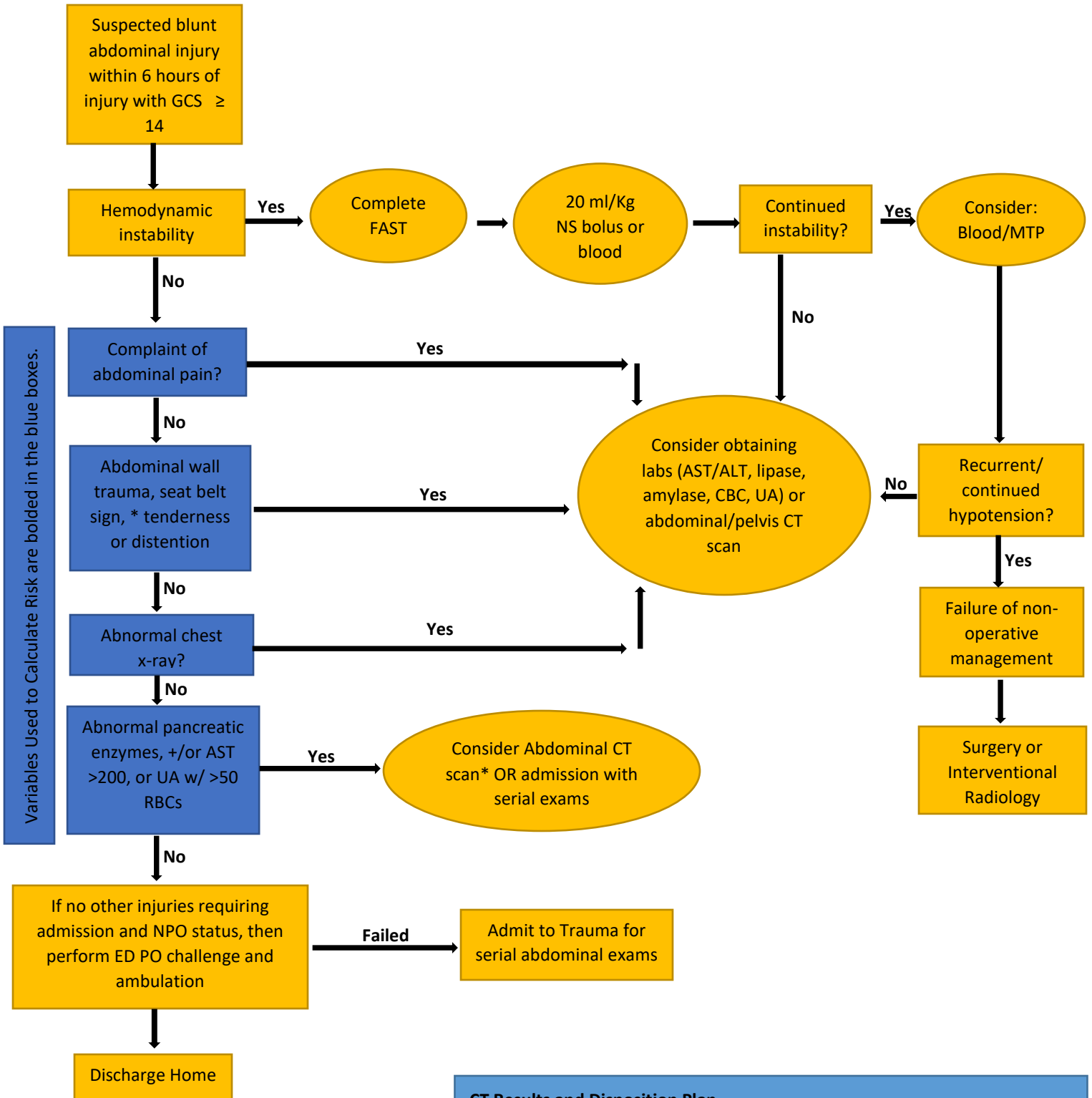
Definitions:

1. Blunt abdominal trauma (BAT): Physical trauma to the abdomen by either impact or injury.

Guideline:

See below algorithm

Blunt Abdominal Trauma (BAT) Evaluation



CT Results and Disposition Plan

- Negative CT and resolved abdominal pain and tenderness = DC Home
- Negative CT w/ ongoing pain and/or tenderness = Admit
- Positive CT = Admit
- Questionable CT Findings = Admit

***Minor abrasions or bruise attributed to seat belt with no tenderness does not mandate a CT scan, use clinical judgement**

Risk of Intra-Abdominal Injury and Patients with Intra-Abdominal Injuries Receiving Acute Intervention According to the Number of Prediction Rule Variables Present.

No. of Variables~Present	Risk of Any IAI (%)	Risk of IAI-I (%)
0	0.7	0
1	4.5	0.6
2	16.8	4.8
3	37.8	8.9
4 or more	62.6	15.2

Source: Streck, et al. Children at low risk for blunt abdominal injury. *Journal American College of Surgeons*, Vol. 224, No.4, April 2017, p.451

Key:

IAI = intra-abdominal injury

IAI-I = intra-abdominal injury patients receiving acute interventions

References: Streck, C.J., Vogel, A. M., Zhang, J., Huang, E. Y., Santore, M. T., Tsao, K., ...& Collaborative, P. S. R. (2017). Identifying children at very low risk for blunt intra-abdominal injury in whom CT of the abdomen can be avoided safely. *Journal of the American College of Surgeons*, 224(4), 449-458.

Review/Revision History:

Review/Revision Date:	Approved by:
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