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Vascular Intervention

Purpose: To provide a guideline for the timing of vascular interventions for

hemorrhage control

Definition: Confirmed blood pressure is defined as more than one reading.

Guidelines:

- A. Vascular Emergency Criteria
 - i. Category A
 - 1. Patients requiring a rapid response are those where blood transfusion has been initiated and there is a confirmed blood pressure < 90 mm Hg at any time prior to angioembolization in adults, or age-specific hypotension in children.
 - 2. Must have an angioembolizable lesion
 - 3. The procedure should begin within 60 minutes of Trauma Vascular Emergency activation
 - a. The response time is tracked from request to arterial puncture
 - ii. Category B
 - Angioembolization should be considered for those patients with an active arterial extravasation on CT or patients with a pseudoaneurysm (i.e., liver, spleen, other) who do not meet the Category A criteria
 - a. If intervention is deemed necessary, the timing of such is at the discretion of the surgeon.
- B. For solid organ injuries, see also Management of Solid Organ Injuries Guideline

References:

- American College of Surgeons (ACS). (2022). Resources for the Optimal Care of the Injured Patient.
- ACS TQIP and OTA. (2014). Best Practices in the Management of Orthopaedic Trauma.
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