Extremity vascular injury



NOTES

- For haemodynamic assessment of injured legs, an Injured Extremity Index can be used as an alternative to the ABI, comparing the injured limb ankle pressure to the contralateral leg if uninjured, and the same 0.9 cutoff applies. For arm injuries, a Brachial/Brachial Index should be obtained.
- Consider CTA in patients with shotgun injuries and hard signs of vascular injury.
- For isolated peripheral vascular injury, emergent repair should be anticipated. For polytrauma, the urgency of vascular repair needs to be considered in context with associated major injuries.
- Patients with hard signs of vascular injury will usually require intervention and a vascular surgeon should be contacted. Advanced preoperative
 imaging is not required for patients with bleeding or an expanding haematoma and will delay definitive care. Preoperative imaging, typically CTA,
 may be informative to the operative team where other hard signs (lack of pulses, ischaemia or bruit/thrill) are present and can be pursued after
 discussion with the vascular team. If pursued, such imaging should be done expeditiously.