Foundations Frameworks

Approach to Penetrating Neck Trauma

Author: Quentin Reuter, MD
Editors: Matthew Levine, MD; Kristen Grabow Moore, MD, MEd

Penetrating Neck Trauma → Violates Platysma? → Local Wound Care

- yes
- no

Zones of Neck

Zone I and III injuries:
Very difficult to access surgically and may require CTA for planning and IR rather than OR management

Hard Vascular Signs?
Severe/pulsatile active bleed
Expanding hematoma
Bruit/thrill
Hemodynamic shock
Absent pulses/stroke

- yes → to OR
- no → CTA Neck

Obvious injury on CTA → -OR for zone 2
-OR vs IR for zone 1/3

Concerning trajectory → admit for bronchoscopy, upper GI scope, monitoring

No obvious injury and non-concerning trajectory → observation vs. home