Penetrating Neck Trauma evaluation and management

HD Stable without: active hemorrhage, expanding/pulsatile hematoma, hemoptysis, air bubbling from wound, airway compromise

CT Angiogram Neck

(+) Suspected or confirmed vascular or aerodigestive injury

HD unstable or active hemorrhage, expanding/pulsatile hematoma, hemoptysis, air bubbling from wound, airway compromise

O.R.*

HD unstable or active hemorrhage, expanding/pulsatile hematoma, hemoptysis, air bubbling from wound, airway compromise

O.R.*

(-) Vascular or aerodigestive injury

O.R.*

Further Work-Up*
Diagnostic Angiogram
± Diagnostic laryngoscopy,
± Tracheoscopy,
± EGD/Esophogram

O.R.*

Local wound care

Injuries may require consultation of:
- Interventional Radiology
- Vascular Surgery
- Head and Neck Surgery
- Neurosurgery
- Cardiothoracic Surgery

Sperry et al. J Trauma 2013