TRAUMATIC AORTIC INJURY EVALUATION (TAI)

Trauma Patient/ Mechanism of Injury
- MVC, MCC, ATV > 30 mph
- Falls > 20 ft
- Pedestrian vs. Auto

CT scan of chest with aortic protocol
Immediate reading

Negative
Hemodynamically STABLE

Positive
- Hemodynamically UNSTABLE

Evaluation for endovascular repair

Medical Management
- SICU admission
- Arterial and central lines
- Type and cross 4u pRBC
- Esmolol drip (keep MAP 70 mmHg)
- Minimize IV fluids
- Consult Vascular
- SCD’s
- Foley

Massive hemothorax
Hemodynamically UNSTABLE

Notify attending
Consult Vascular/Cardiac Surgery
Request cardiac OR and pump team
Initiate massive transfusion protocol
OR for immediate OR thoracotomy

Portable CXR
Wide Mediastinum
Apical pleural cap
Loss of aortic knob contour
M/P ratio > 0.6
Deviation of left mainstem bronchus
Opacification of aorto-pulmonary window

Hemodynamically STABLE

- CT scan of chest with aortic protocol
- Immediate reading

Negative

Positive
- Hemodynamically STABLE
- Hemodynamically UNSTABLE