



# Regions Hospital Blunt Trauma Imaging Worksheet

## Adult (age $\geq$ 16)

Trauma Face CT

**Trauma Head CT** – Suspicion of head injury AND any one of the following are present:

- Taking warfarin, anti-platelet agents other than aspirin, DOACs
- GCS < 15 on arrival
- Suspected open or depressed skull fx
- Any sign of basilar skull fx (hemotympanum, raccoon eyes, Battle’s sign, oto- or rhinorrhea)
- $\geq$ 2 episodes of vomiting
- Age  $\geq$  65
- Retrograde amnesia > 30 mins
- Dangerous mechanism (ped struck, ejection, fall > 3 ft or 5 stairs)

CT Angio - Neck

**Trauma Face CT** – Most fractures will be detected on head CT

- Physical exam is suggestive of unstable midface fracture
- Physical exam is suggestive of mandible fracture

**CT Angio of Neck** – Order if Trauma Chest CT is indicated, or if any one of the following are present:

- Neurologic abnormality not explained by diagnosed injury
- Arterial epistaxis
- Seat belt sign on neck or other bruising/hematoma
- Petrous bone fracture
- C-spine fracture (C1-C3) or subluxation at any level
- Fracture through foramen transversum or basilar skull fracture
- LeFort II or III fractures
- High velocity or unprotected crash / high energy mechanism

Trauma Chest CT

**Trauma Chest CT** – Order only for evaluation of the thoracic aorta. Not for primary evaluation of hemothorax, pneumothorax, or rib fractures. Suspect aortic injury if sufficient mechanism (crash > 40mph, fall > 20 feet, torso crush) and:

- Wide mediastinum
- Sternal fracture
- First rib fracture
- Age > 50
- Hypotensive episode
- Torso crush injury

**If ordered, be sure to include CT Angio - neck**

Trauma Abd / Pelvis CT

**Trauma Abdomen/Pelvis CT** – Not for primary imaging of the lumbar spine. Image if any of the following are present:

- Abnormal abdominal, pelvic or lumbar spine exam
- Positive FAST
- Intubated patient
- GCS < 11
- Intoxicated patient with suspicion of abdominal injury



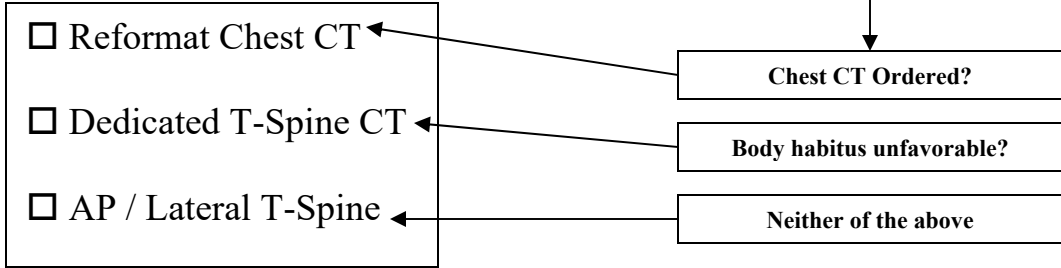
# Regions Hospital Blunt Trauma Imaging Worksheet

Adult (age ≥ 16)

C-Spine CT

- C-Spine** – Image if any of the following are present, or unable to clinically clear:
- Age ≥ 65
  - Paresthesias in extremities
  - Fall > 3 ft or 5 stairs
  - Axial load to head (e.g. diving)
  - High speed MVC (> 60mph)
  - Rollover
  - Ejection
  - ATV, motorized bike, motorcycle
  - Known thoracic or lumbar fracture

- T-Spine** - Image if any of the following are present:
- Spinal or paraspinous pain or tenderness
  - Spinal deformity
  - Known acute cervical or lumbar fracture
  - High risk mechanism (see C-spine criteria)
  - Unconscious with sufficient mechanism



- L-Spine** - Image if any of the following are present:
- Spinal or paraspinous pain or tenderness
  - Spinal deformity
  - Known acute cervical or thoracic spine fracture
  - High risk mechanism (see C-spine criteria)
  - Unconscious with sufficient mechanism

