

On-line Table: Patients with blunt cerebrovascular injury

| Patient No. | History | Age (yr) | Sex | Cervical Seatbelt Sign | GCS Score | Reason for Neck CTA | Neck CTA Results | Head CT | Basilar Skull Fracture | Intracranial Hemorrhage | Maxillofacial Fracture | Rib Fracture | Clavicle Fracture | Cervical Spine Fracture | Outcome |
|-------------|--|----------|-----|------------------------|-----------|--|--|--|------------------------|-------------------------|--|--------------|-------------------|---|--|
| 1 | ATV injury, clothesline injury to neck by low-hanging wire | 13.17 | M | NA | 3 | Cable injury to anterior neck | Right cervical vertebral artery (grade IV) | Hypoxic-ischemic injury, subarachnoid hemorrhage | No | Yes | No | No | No | C2-C3 fracture-dislocation and intraspinal epidural hematoma | Death |
| 2 | Dresser fell on head | 2.17 | M | NA | 14 | Basilar skull fractures approximating carotid canal, epistaxis, brief loss of consciousness | Skull base hematoma, right cervical vertebral artery (grade III) | Comminuted, depressed occipital fracture with epidural hematoma | Yes | Yes | Yes, nondisplaced mandibular condyle fractures | No | No | No | Rehabilitation followed by discharge to home |
| 3 | MVC with ejection | 9.92 | F | No | 3 | Noncontrast CT head demonstrated acute left MCA infarct | Left cervical ICA (grade II) | Left MCA acute infarct, multicompartimental hemorrhage, severe facial fractures, calvarium fractures | Yes | Yes | Yes, left Le Fort III and right Le Fort II | No | No | No | Death |
| 4 | MVC | 15.33 | F | No | NR | Right hemiparesis, with MRI head demonstrating multiple left MCA embolic infarcts | Left precavernous and cavernous ICA mildly decreased caliber compared with right (grade I) | Left frontal and temporal lobe contusions | Yes | Yes | NA | No | Right clavicle | No | Rehabilitation followed by discharge to home |
| 5 | ATV injury | 11.17 | M | NA | 15 | Neck pain with first rib fracture | Left common carotid artery (grade IV), left cervical vertebral artery (grade IV) | Neg | No | No | NA | Yes, 1st | No | No | Discharge to home |
| 6 | MPC, with vehicle tires rolling over victim's head | 1.17 | M | NA | NR | Skull base fractures | Left cervical ICA (grade IV) | Neg | Yes | No | NA | NA | NA | No | Discharge to home |
| 7 | MVC | 2.33 | F | No | 3 | Anterior neck swelling with fracture dislocation at C4-C5 | Right cervical vertebral artery (grade IV) | Cerebral edema, right basal ganglia hematoma, subarachnoid, possible shear injury of corpus callosum | No | Yes | NA | No | No | Fracture dislocation C4-C5 with marked distraction, likely cord transection | Death |
| 8 | Dirt bike crash | 16 | M | NA | 14 | Patient initially discharged after accident with T4 compression fracture; returned to ER days later with head and neck pain, tingling in hands, face paresthesias, and difficulty moving mouth | Right cervical ICA (grade II) | Neg | No | No | No | No | No | No | Discharge to home |

Note:—ATV indicates all-terrain vehicle; MPC, motor-pedestrian collision; NA, not applicable; ER, emergency department; Neg, negative; NR, not recorded.