TREATMENT OF BLUNT CEREBRAL VASCULAR INJURY

***Initiation of any anticoagulation / antiplatelets must be cleared with Attending***

- **CTA Positive**
  - Grade I & II
    - ASA
      - Heparin: Use the LOW intensity scale
        - No bolus
        - PTT goal 40-50
        - Or if a contraindication to Heparin
          - Aspirin
          - CTA—angio 7-10 days
  - Grade V
    - Consult Neuro/IR
    - Surgery if accessible or Stent with Aspirin and/or Plavix

- **CTA or Angio at 7 days – 10 days**
  - If resolved, stop treatment
  - If remaining – change to aspirin, treatment 3-6 months then re-image CTA
    - If remaining—Aspirin lifelong

- Repeat Imaging
  - 3 month

**Injury Grades**

- **Grade I**
  - Luminal irregularity or dissection/intramural hematoma with <25% luminal narrowing
- **Grade II**
  - Dissection or intramural hematoma of ≥25% of lumen
    - Grade IIa
      - Dissection or intramural hematoma of 25-50% of the lumen
    - Grade IIb
      - Dissection or intramural hematoma of ≥50% of the lumen or intimal flap
- **Grade III**
  - Pseudo aneurysm
- **Grade IV**
  - Vessel occlusion
- **Grade V**
  - Vessel transection

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