

# AMPUTATIONS / TOOTH AVULSIONS

## UPDATED 1/2024

### ALL PROVIDERS / EMT

- Focused history and physical exam
- Cardiac monitor, ETCO<sub>2</sub>, and pulse oximetry monitoring, when available
- Treatment Plan**
  - Maintain airway, apply oxygen as needed to maintain SpO<sub>2</sub> 90-94%.
  - Unless this is an isolated injury, consider spinal motion restriction per the *Spinal Motion Restriction Guideline*.
  - **Treat for pain and anxiety per the *Pain Management and Behavioral Emergencies Guideline*.**
  - Monitor closely for signs of shock, especially in amputations above the wrist or ankle.
- Amputated Body Parts and/or Tissue**
  - Apply direct pressure to control hemorrhage. A tourniquet is frequently required to control hemorrhage from amputation or near-amputation.
    - If amputation is incomplete, cover stump with sterile dressing saturated in **NS or LR**, splint affected digit or limb in baseline physiologic position.
    - All easily retrievable tissue should be transported with the patient, DO NOT delay transport for appendage.
      - **Rinse part(s) with NS or LR.**
      - **Wrap tissue in sterile gauze moistened with NS or LR.**
      - Place tissue into plastic bag or container.
      - Place bag/container into separate container filled with ice (if available)
      - Do not allow tissue to come into direct contact with ice, do not freeze, and do not submerge in water.
- Tooth Avulsion**
  - If tooth is out over 30 minutes, broken, or cannot be re-implanted on scene.
    - Handle tooth by chewing surface only (avoid touching the root).
    - Rinse with water. Do not scrub, dry, or wrap tooth in tissue or cloth.
    - Place tooth in container of (**in order of preference**)
      - Patient's saliva (place in patient's mouth, if patient awake and alert)
      - Alternatively, it may be placed in a container with milk or normal saline
    - If tooth is out less than 30 min, you may attempt re-implantation (only **permanent** teeth) on scene (primary or "baby" teeth should not be re-implanted).
      - Do not try to re-implant if more than 2 teeth are involved.
      - The tooth must be cleanly avulsed with the entire root present.
      - Only re-implant if it is one of the front 6 upper or lower teeth.
      - Patient must be conscious and cooperative.
      - Gently insert tooth back into the appropriate location without forcing it. Do not worry about positioning well.
- Key Considerations**
  - Consider transportation of extremity amputation patients directly to a trauma center.

#### ADULT

#### PEDIATRIC (<15 years of Age)

**NOTE: Pediatric weight based dosing should not exceed Adult dosing.**

#### AEMT

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- Advanced airway, vascular access and fluid therapy

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#### PARAMEDIC

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