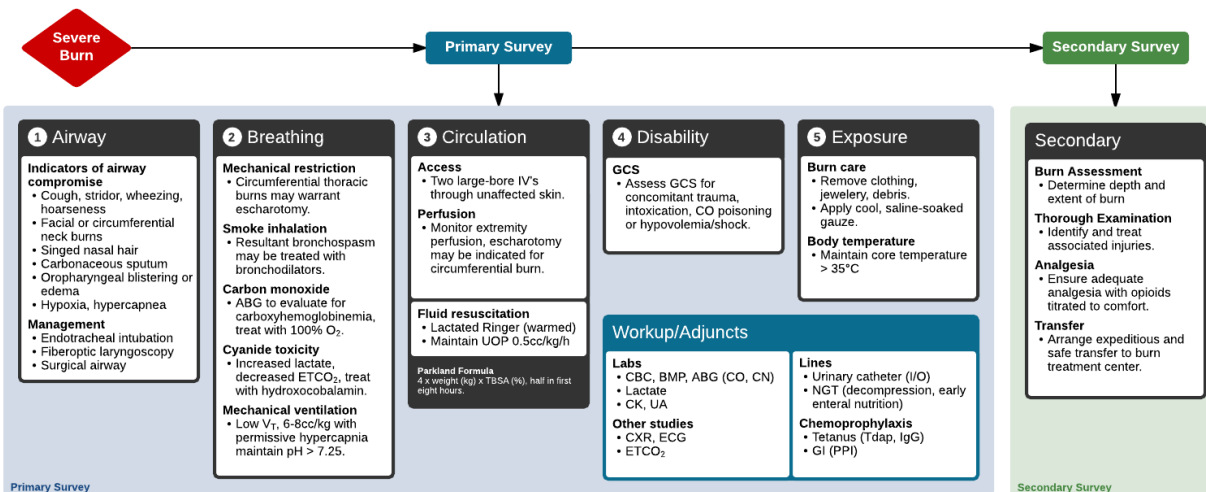


Acute Burns in the Pediatric Emergency Department
EDAP Conference
9/27/3017

(MCI radio calls of burn patients)

1. Statistics / Mortality
2. Importance of Skin/ layers of skin
3. Types of Burns
 - a. **Thermal:**
 - i. Direct contact with heat
 - ii. Frost bite
 - b. Chemical
 - c. Radiation
 - d. Electrical
4. Classification of burns: Depth, type, and extent of injury
 - a. Depth and type
 - i. First degree
 - ii. Second Degree
 - iii. Third degree
 - iv. Fourth degree
 - b. Extent of Injury: Calculating BSA
 - i. Rule of nines
 - ii. Lund and Browder
 - iii. Rule of palms
5. Pathophysiology
6. Initial Management in the Emergency Department (Will discuss using Algorithm below)
 - a. Primary Survey:
 - i. Airway; Indicators of airway compromise and management
 - ii. Breathing
 - iii. Circulation: Assess perfusion and fluid resuscitation
 - iv. Disability: GCS
 - v. Exposure: Burn care, remove clothing jewelry, cool burns, prevent hypothermia
 - b. Secondary Survey:
 - i. Burn assessment – type/depth/extent
 - ii. Thorough examination to identify other injuries
 - iii. Transfer (burn center criteria)
 - c. Workup/Adjuncts: Labs/other studies/ lines/ chemoprophylaxis
7. Acute Complications
 - a. Compartment syndrome
 - b. Carbon Monoxide poisoning
 - c. Cyanide toxicity
 - d. RDS
8. Burn Center Criteria
9. Burns of Abuse

Algorithm for the Management of the Acutely Burned Patient



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