

RSS SESSION SIGN-IN SHEET

Pediatric Care Echo Series

Pediatric Burn Care

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RSS Global Objective(s): Assess pediatric trauma given the new skills and guidelines determined to be safe for children.
Identify proper tool and standardized measurement practices to improve diagnosis and treatment of pediatric patients.

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Pediatric Burn Care

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Did You Know?



250,000

Kids ages 0-17 are burned each year



15,000

Children are hospitalized with burn injuries



1,100

Children die from fire and burn injuries

Pediatric Burn Injuries

- Leading cause of unintentional death in the home
- Children under 5 are at greatest risk
- Scald burns are most common in children under 3

Meet Kate



1

Primary Survey

Primary Survey

- Airway
- Breathing
- Circulation/Cardiac Status
- Disability/Neurological Deficit
- **STOP THE BURNING PROCESS**
- Expose and Examine



2

Secondary Survey

Secondary Survey

- History
- Total Body Surface Area (TBSA)
- Temperature Management



American Burn Association Transfer Criteria

Infants and children with:

- Full-thickness burns
- Burns of the face, hands, feet, genitalia or perineum
- Inhalation, electrical or chemical injury
- TBSA > 10%

Kids are Different

- Greater surface area for weight
- Require more fluid for resuscitation
- Higher risk for hypothermia
- Thinner skin in children under 2

Is This Abuse?

- Pattern of injury \neq history
- “Story” changes
- Young sibling is blamed
- Caregiver absent
- Lines of demarcation
- Delay in treatment
- Caregivers concerned about themselves
- Child unusually passive with painful procedures
- Burns of different ages
- Other forms of injury
- Siblings have similar injuries
- Signs of neglect



Key Takeaways

Kids Are Different

Cool with room temperature water

Cover with Saran wrap or plastic side of chux

Cool and Cover

TBSA > 10%

Full Thickness Burns

Burns to face, hands, feet, perineum

Electrical, chemical or inhalation

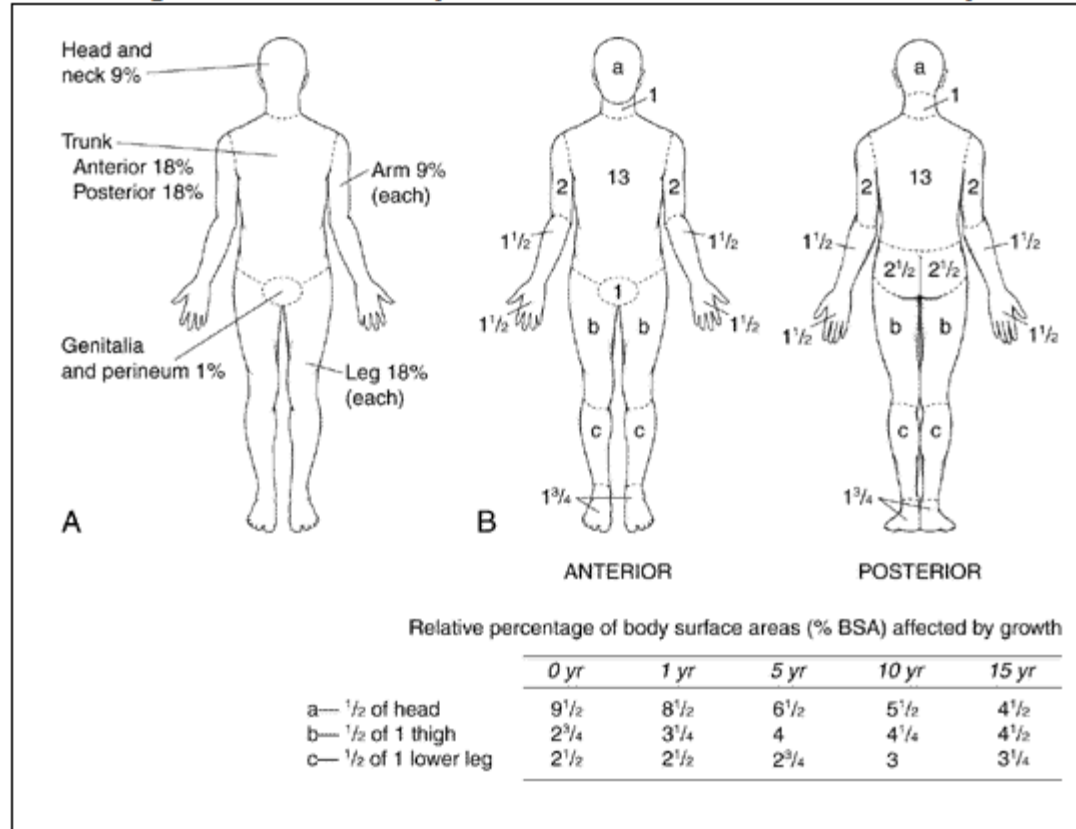
When to Transfer

Questions?



TBSA

Estimating Percent Total Body Surface Area in Children Affected by Burns



(A) Rule of "nines"

(B) Lund-Browder diagram for estimating extent of burns