RSS SESSION SIGN-IN SHEET

Pediatric Care Echo Series
Pediatric Burn Care
April 20, 2017
Angela Gibson, MD
Melissa Beltran, RN

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.

Policy on Disclosure

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Pediatric Burn Care

Angela Gibson, MD, PhD
Melissa Beltran, MSN, RN, CCRN
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
Primary Survey
Primary Survey

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

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

When to Transfer
- TBSA > 10%
- Full Thickness Burns
- Burns to face, hands, feet, perineum
- Electrical, chemical or inhalation

UW Health
Questions?
Estimating Percent Total Body Surface Area in Children Affected by Burns

(A) Rule of "nines"
(B) Lund-Browder diagram for estimating extent of burns