

## Recommended Screening for Suspected Acute Child Physical Abuse

### 0-6 Months:

- Head CT without contrast (recommended in all)
- Skeletal survey
- Labs (CBC w/ diff, CMP, Lipase, PTT, PT, INR)
  - Consider CPK for extensive bruising or multisystem trauma
- Abdominal CT with IV contrast if:
  - AST or ALT greater than 80 U/L; Lipase greater than 100 U/L; and/or abdominal bruising/tenderness
- Rapid Urine Drug Screen (UDS)
  - If UDS is positive, order confirmatory test from the original urine sample
- Report to CPS and/or law enforcement

### 7-12 Months:

- Skeletal survey
- Consider Head CT without contrast
  - Indicated for skull fracture(s), bruising of the face/head, and/or altered mental status
- Labs (CBC w/ diff, CMP, Lipase, PTT, PT, INR)
  - Consider CPK for extensive bruising or multisystem trauma
- Abdominal CT with IV contrast if:
  - AST or ALT greater than 80 U/L; Lipase greater than 100 U/L; and/or abdominal bruising/tenderness
- Rapid Urine Drug Screen (UDS)
  - If UDS is positive, order confirmatory test from the original urine sample
- Report to CPS and/or law enforcement

### 13-23 Months:

- Skeletal survey
- Consider Head CT without contrast
  - Indicated for skull fracture(s), bruising of the face/head, and/or altered mental status
- Labs (CBC w/diff, CMP, Lipase, PTT, PT, INR)
  - Consider CPK for extensive bruising, multisystem trauma, forced position holding, or prolonged exercise as punishment
- Abdominal CT with IV contrast if:
  - AST or ALT greater than 80 U/L; Lipase greater than 100 U/L; and/or abdominal bruising/tenderness
- Rapid Urine Drug Screen (UDS)
  - If UDS is positive, order confirmatory test from the original urine sample
- Report to CPS and/or law enforcement

### 24 Months – 4 Years:

- Labs (CBC w/ diff, CMP, Lipase, PTT, PT, INR)
  - Consider CPK for extensive bruising, multisystem trauma, forced position holding, or prolonged exercise as punishment
- Abdominal CT with IV contrast if:
  - AST or ALT greater than 80 U/L; Lipase greater than 100U/L; and/or abdominal bruising/tenderness
- Rapid Urine Drug Screen (UDS)
  - If UDS is positive, order confirmatory test from the original urine sample
- Consider skeletal survey for burns, developmental delay, or extensive trauma
- Consider Head CT without contrast if bruising of the face/head and/or altered mental status
- Report to CPS and/or law enforcement

### 5 Years and Older:

- Labs (CBC w/ diff, CMP, Lipase, PTT, PT, INR)
  - Consider CPK for extensive bruising, multisystem trauma, forced position holding, or prolonged exercise as punishment
- Abdominal CT with IV contrast if:
  - AST or ALT greater than 80 U/L; Lipase greater than 100 U/L; and/or abdominal bruising/tenderness
- Consider Rapid Urine Drug Screen (UDS) if altered mental status or reported drug exposure by caregivers
  - If UDS is positive, order confirmatory test from the original urine sample
- Consider Head CT without contrast if altered mental status, significant head or face bruising
- Report to CPS and/or law enforcement

### Consider transfer to a higher level of care for:

- Trauma team consult
- Child Abuse Pediatrics consult
- Sexual Assault Nurse Examiner (SANE) consult if evidence collection is indicated for suspected sexual abuse/assault
- If subconjunctival hemorrhage present OR intracranial hemorrhage is found, consult ophthalmology for a dilated fundoscopic examination

**If an injury concerning for physical abuse is found through this screening, further evaluation by a child abuse pediatrics provider is highly recommended.**

## TEN-4-FACES-P

TEN-4-FACES-P is a validated screening tool used to identify injuries in children less than 4 years old that are highly concerning for physical abuse, and further medical work-up, as listed on the prior page, should be considered.

**T: Torso (1)**

**E: Ear (2)**

**N: Neck (3)**



**4: Bruises in the TEN distribution in a child under 4 years old, or ANY bruise in an infant less than 4.99 months old**



**F: Frenulum (mouth) (4)**

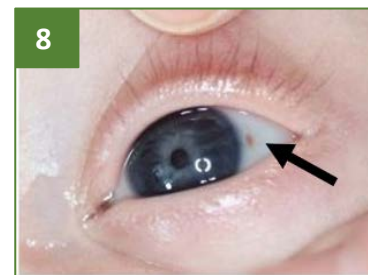


**A: Angle of jaw (5)**

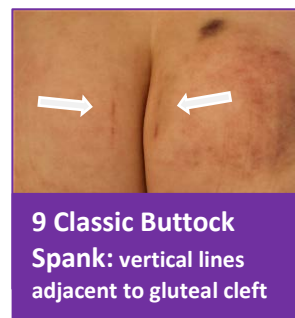
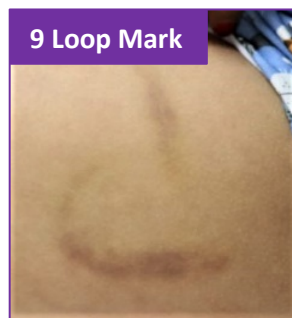
**C: Cheek (6)**

**E: Eye (eyelids) (7)**

**S: Subconjunctival hemorrhage (8)**



**P: Patterned bruising (9)**



### Signs of Abusive Head Trauma (AHT; formerly known as Shaken Baby Syndrome)

- AHT is easily missed because it often presents with no visible external injuries
- AHT may present with 1 or more of the following:
  - Bulging fontanelle and/or rapidly increasing head circumference
  - Bruising or swelling of the face or head
  - Poor feeding and/or persistent vomiting without other viral or medical symptoms
  - Excessive crying or sleeplessness or lethargy
  - Change in mental status or unresponsiveness, including brief
  - Change in breathing or apnea, including brief and resolved

### Contact a Child Abuse Provider:

**Child Abuse Referral and Evaluation (CARE) Clinic**  
Sanford Health, Fargo, ND  
701-234-4585 or 1-877-647-1225

**Child's Voice Child Advocacy Center**  
Sanford Health, Sioux Falls, SD  
605-333-2226

**Center for Safe and Healthy Children**  
Hennepin County Medical Center  
Minneapolis, MN  
800-424-4262

**OR**

University of MN Masonic Children's Hospital  
612-273-7233

**Midwest Children's Resource Center**  
Children's Hospital and Clinics of MN  
Minneapolis and St. Paul, MN  
651-220-6750

This document does not substitute an expert medical evaluation, nor should it take the place of medical decision making. Please consult a medical provider with expertise in child abuse if a patient presents with injuries that are concerning for abuse.