

The background of the slide is a light gray gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance. The text is centered on the slide.

VICTIMS OF VIOLENCE: INTER-PARTNER VIOLENCE AND CHILD ABUSE

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OBJECTIVES

- AFTER PARTICIPATION IN THIS PRESENTATION, PARTICIPANTS WILL BE ABLE TO:
 - UTILIZE BEST PRACTICES FOR STANDARDIZED WORKUP OF CHILD ABUSE AND MALTREATMENT
 - IDENTIFY ADULT VICTIMS OF INTER PARTNER VIOLENCE
 - APPLY RISK AND BENEFIT TO UNIVERSAL SCREENING IN THEIR PRACTICE ENVIRONMENT

- 
- The background of the slide is a light gray gradient with several realistic water droplets of various sizes scattered across the top and bottom edges. The droplets have highlights and shadows, giving them a three-dimensional appearance.
- **I HAVE NO FINANCIAL RELATIONSHIPS OR AFFILIATIONS TO DISCLOSE.**



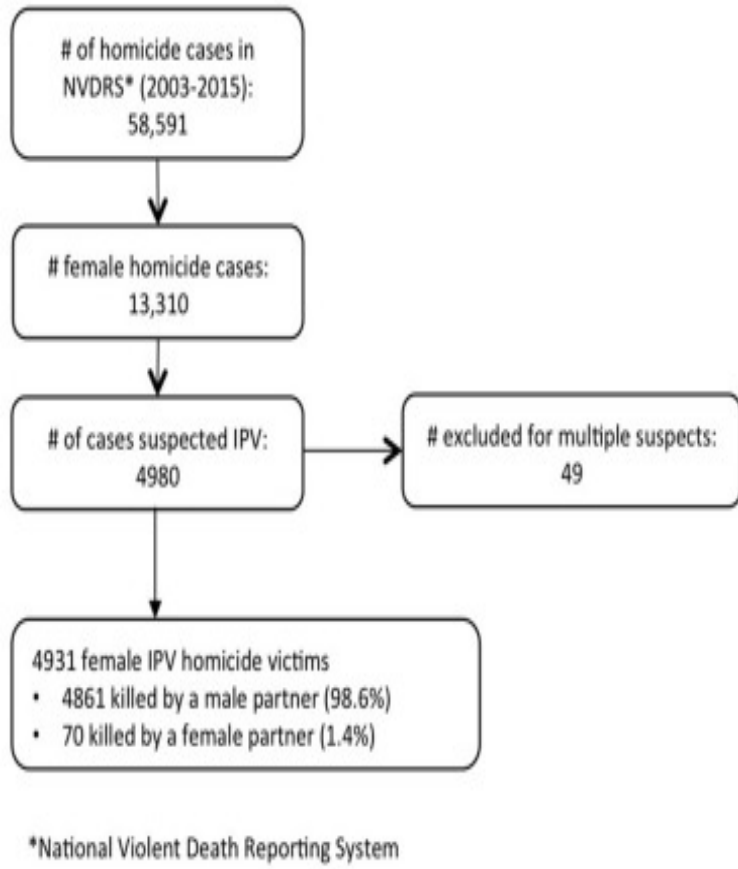
MYTH #1



MYTH #2



MYTH #3



MYTH #4



HITS

- HOW OFTEN DOES YOUR PARTNER:
 - PHYSICALLY **H**URT YOU?
 - **I**NSULT OR TALK DOWN TO YOU?
 - **T**HREATEN YOU WITH HARM?
 - **S**CREAM OR CURSE AT YOU?

HITS



MYTH #5



PHYSICAL ABUSE OF CHILDREN





- FINANCIAL STABILITY
- SINGLE MOTHERS
- SUBSTANCE ABUSE
- DOMESTIC VIOLENCE
- PRESENCE OF MORE THAN 2 SIBLINGS IN THE HOME
- LOW BIRTH WEIGHT
- CHILDREN WITH DISABILITIES



NAT CONSIDERATION BY AGE

<7 MONTHS

*CUTANEOUS INJURIES INCLUDING A SINGLE BRUISE OR BURN OR BITE MARK

*INTRAORAL INJURY

*SUBCONJUNCTIVAL HEMORRHAGE (> 14 D OLD) WITHOUT PERSISTENT COUGH OR VOMITING

*FRACTURES: RIB, SCAPULA, VERTEBRAL, STERNUM, HANDS/FEET, ANY LONG BONE

FRACTURE (INCLUDING METAPHYSEAL FRACTURE), MULTIPLE FRACTURES

*UNEXPLAINED FUSSINESS

*UNEXPLAINED ALTERED MENTAL STATUS

NAT CONSIDERATION BY AGE

7-12 months

- *Bruising in an unusual location, including pinna, neck, torso, buttocks
- *Patterned bruising or bite mark
- *Subconjunctival hemorrhage without persistent cough or vomiting
- *Intraoral injury without plausible accidental mechanism including frenulum tear
- *Fractures: rib, scapula, vertebral, sternum, hands/feet, any long bone fracture (including metaphyseal fracture), multiple fractures
- *Patterned burns including: cigarette burn, stocking/glove burn, symmetric burns, immersion burns
- *Injury inconsistent with developmental ability or with accidental mechanism described
- * Unexplained altered mental status
- *Sibling of child with suspected physical abuse

NAT CONSIDERATION BY AGE

12-24 MONTHS

- *BRUISING IN AN UNUSUAL LOCATION, INCLUDING PINNA, NECK, TORSO, BUTTOCKS OR ADULT BITE MARK
- *SUBCONJUNCTIVAL HEMORRHAGE WITHOUT PERSISTENT COUGH OR VOMITING
- *FRACTURES: RIB, SCAPULA, VERTEBRAL, STERNUM, HANDS/FEET, MULTIPLE FRACTURES
- *PATTERNED BURNS INCLUDING: CIGARETTE BURN, STOCKING/GLOVE BURN, SYMMETRIC BURNS, IMMERSION BURNS
- *INJURY INCONSISTENT WITH DEVELOPMENTAL ABILITY OR WITH ACCIDENTAL MECHANISM DESCRIBED
- *UNEXPLAINED VOMITING
- * UNEXPLAINED ALTERED MENTAL STATUS
- *SIBLING OF CHILD WITH SUSPECTED PHYSICAL ABUSE

NAT CONSIDERATION BY AGE

2-5 YEARS

*BRUISING IN AN UNUSUAL LOCATION, INCLUDING PINNA, NECK, TORSO, BUTTOCKS OR ADULT BITE MARK

*SUBCONJUNCTIVAL HEMORRHAGE WITHOUT PERSISTENT COUGH OR VOMITING

*FRACTURES: RIB, SCAPULA, VERTEBRAL, STERNUM, HANDS/FEET, MULTIPLE FRACTURES

*PATTERNED BURNS INCLUDING: CIGARETTE BURN, STOCKING/GLOVE BURN, SYMMETRIC BURNS, IMMERSION BURNS

*INJURY INCONSISTENT WITH DEVELOPMENTAL ABILITY OR WITH ACCIDENTAL MECHANISM DESCRIBED

* UNEXPLAINED ALTERED MENTAL STATUS

*SIBLING OF CHILD WITH SUSPECTED PHYSICAL ABUSE

NAT CONSIDERATION BY AGE

>5 YEARS

- *BRUISING IN AN UNUSUAL LOCATION, INCLUDING PINNA, NECK, TORSO, BUTTOCKS OR ADULT BITE MARK
- *FRACTURES: RIB, SCAPULA, VERTEBRAL, STERNUM, HANDS/FEET, MULTIPLE FRACTURES
- *PATTERNED BURNS INCLUDING: CIGARETTE BURN, STOCKING/GLOVE BURN, SYMMETRIC BURNS, IMMERSION BURNS, MULTIPLE BURNS
- *INJURY INCONSISTENT WITH DEVELOPMENTAL ABILITY OR WITH ACCIDENTAL MECHANISM DESCRIBED
- * UNEXPLAINED ALTERED MENTAL STATUS

WORKUP BY AGE <7MOS

IMAGING

- SKELETAL SURVEY
- CT HEAD W/O CONTRAST

OTHER

- SW CONSULTATION

LABS

- CBC W/ DIFF
- AST
- ALT
- ALK PHOS
- LIPASE
- COAGS
- CHEM 10

WORKUP BY AGE 7-24 MOS

IMAGING

- SKELETAL SURVEY

OTHER

- SW CONSULTATION

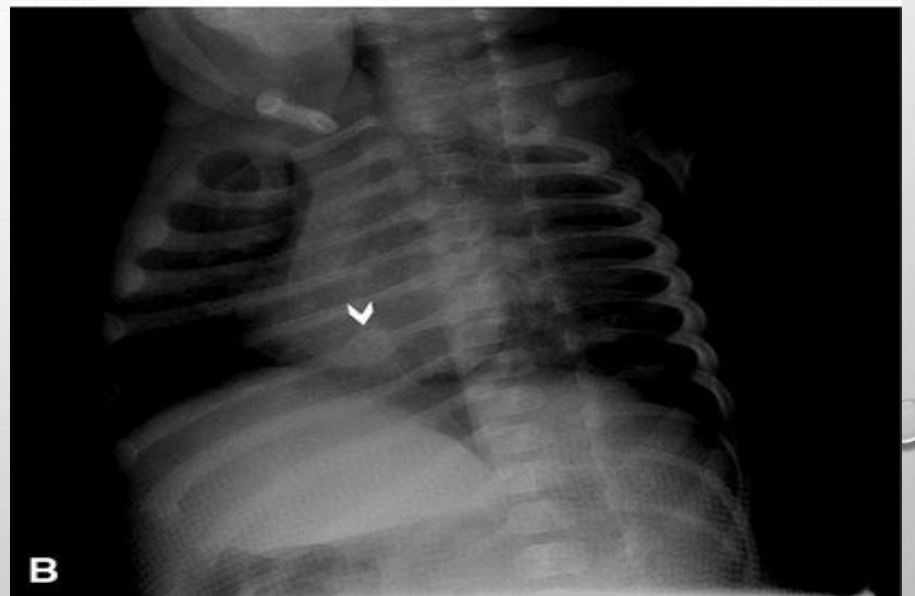
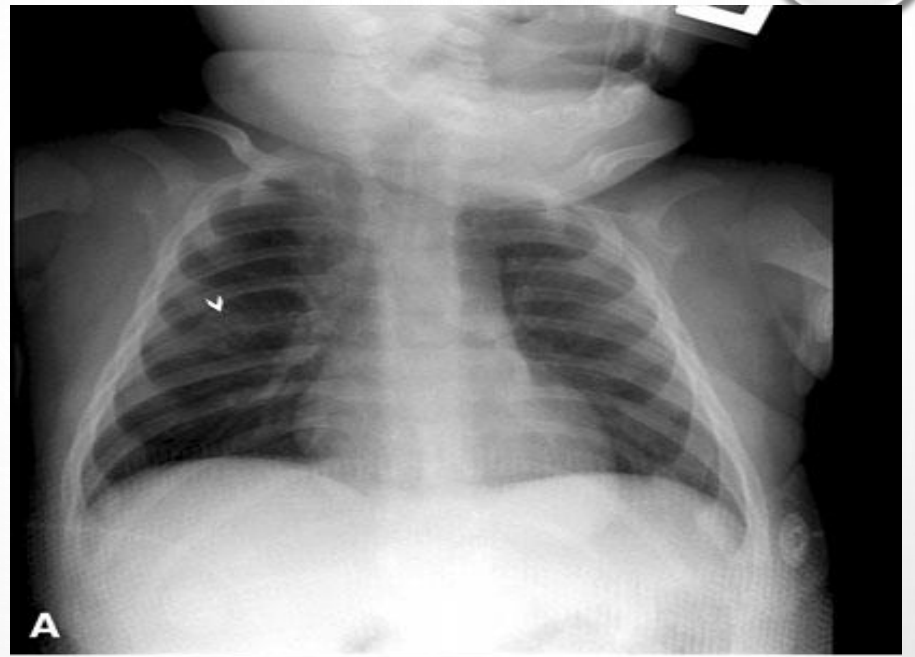
LABS

- CBC W/ DIFF
- AST
- ALT
- ALK PHOS
- LIPASE
- COAGS
- CHEM 10

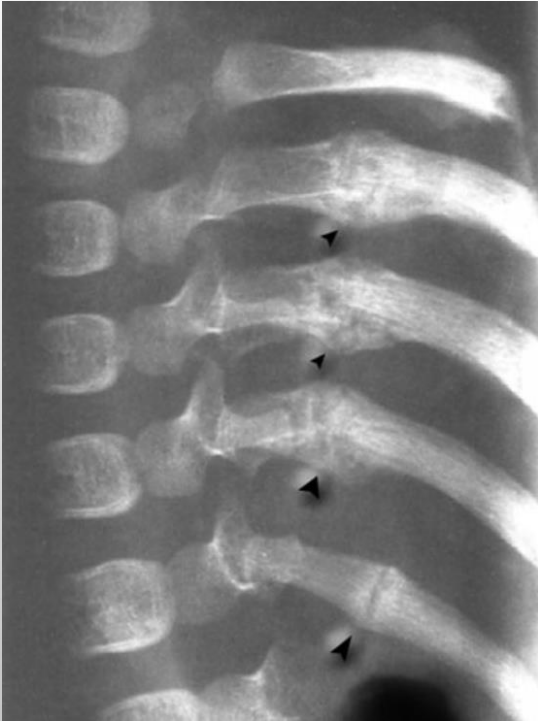
WORKUP BY AGE 2-5 YEARS

- AST
- ALT
- LIPASE
- SW CONSULTATION

POSTERIOR RIB FX

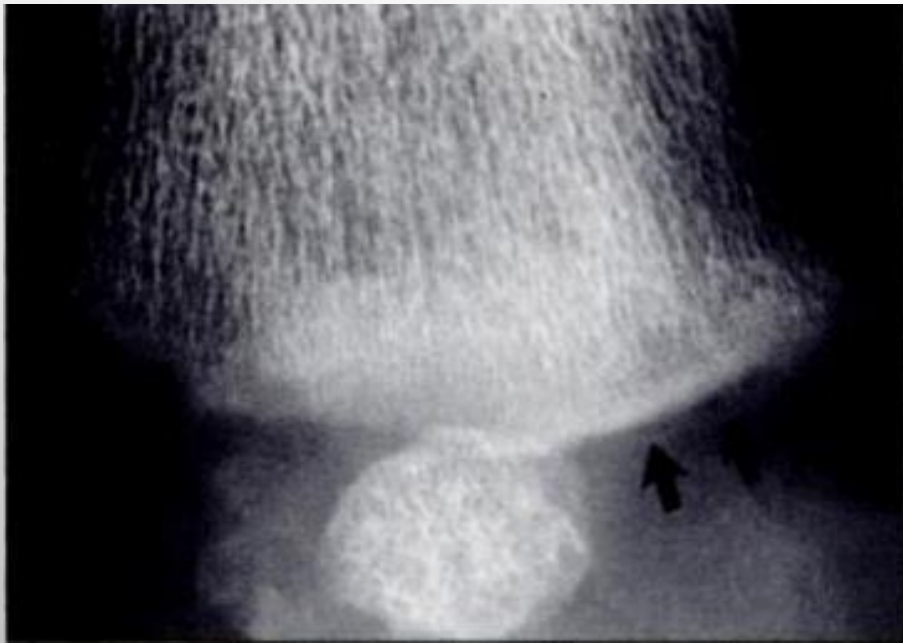


POSTERIOR RIB FRACTURES



- HIGH DETAIL OBLIQUE

METAPHYSEAL FRACTURES







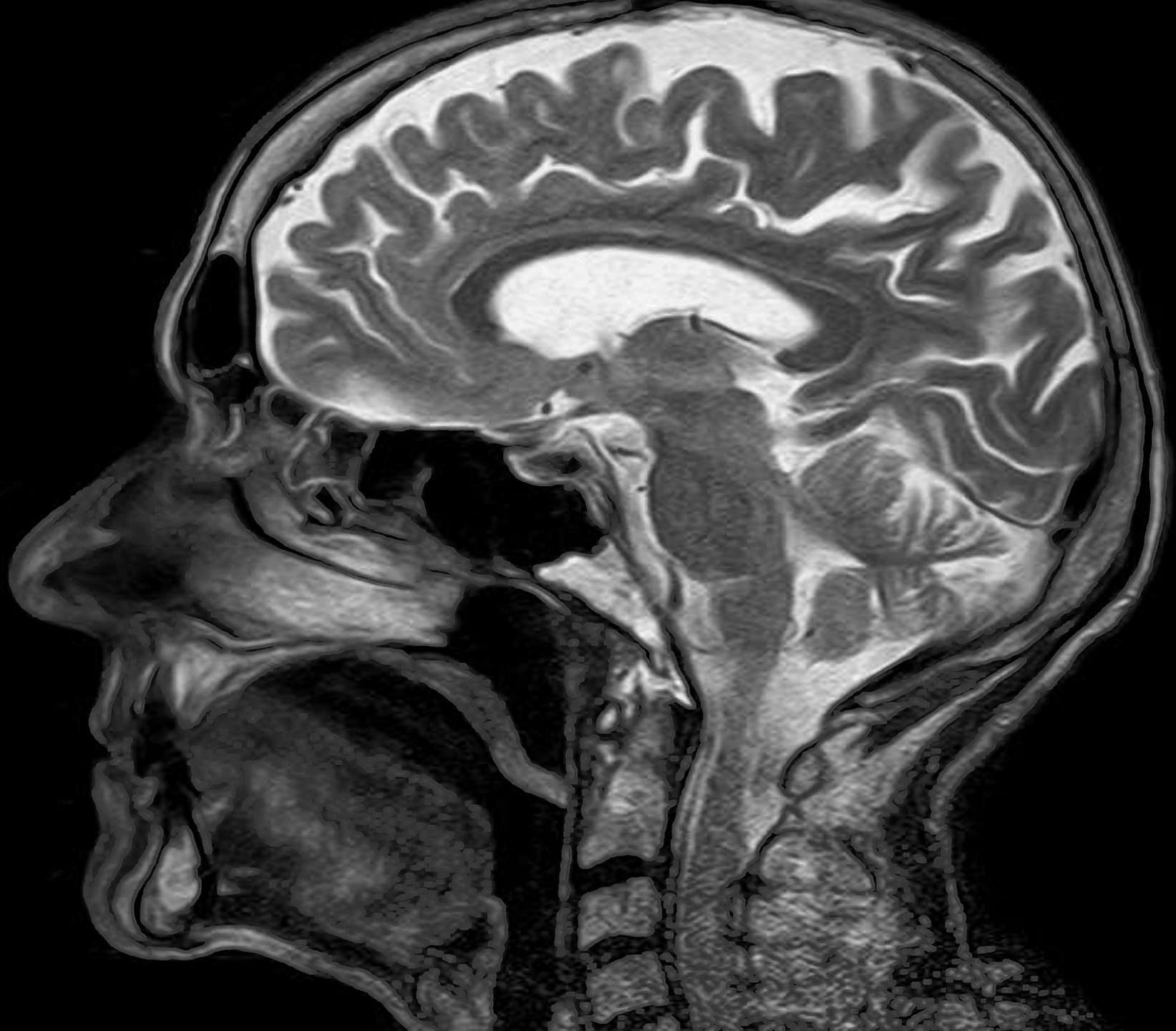
ABUSIVE HEAD TRAUMA

GOALS OF HEAD IMAGING

- DETECT INJURY
- EVALUATE THE FULL EXTENT AND SEVERITY OF THE INJURY
- CHARACTERIZE ANY LESIONS AND DIFFERENTIATE FROM TRAUMATIC MIMICS

ABUSIVE HEAD TRAUMA

- CT HEAD
 - FAST
 - CAN BE PERFORMED ON VERY ILL CHILDREN
 - SENSITIVE FOR HEMORRHAGE, EDEMA AND MASS EFFECT
 - SENSITIVE FOR SKULL FX IF YOU CAN **RECONSTRUCT**
 - DETERMINE WHO NEEDS IMMEDIATE INTERVENTION



BRUISING

Physical Abuse

Abnormal Bruising Pattern

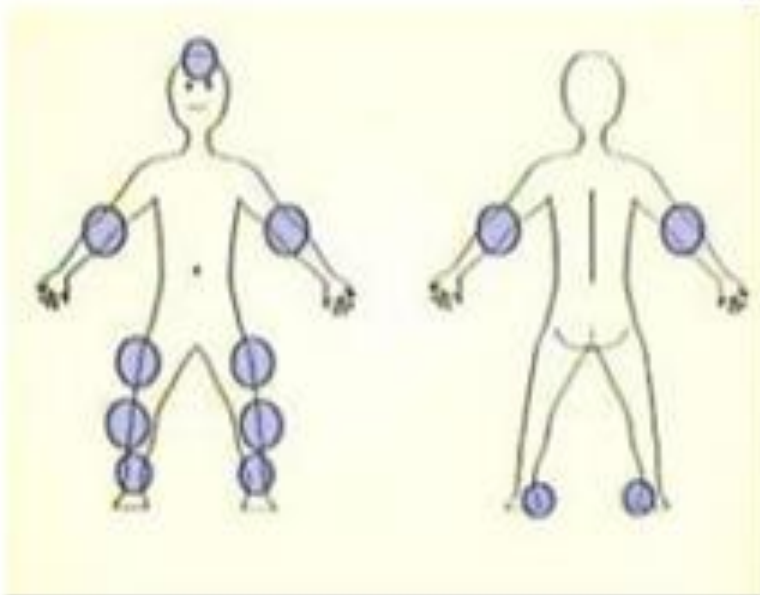


Normal Bruising Pattern

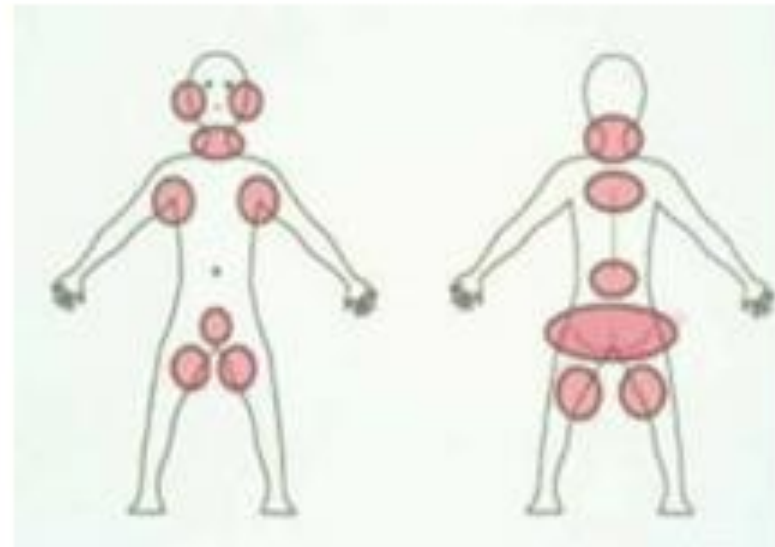


BRUISING

Physical Abuse



Normal Bruising Pattern



Abnormal Bruising Pattern

BRUISING

- **ALWAYS, ALWAYS, ALWAYS** CONSIDER A DIFFERENTIAL DIAGNOSIS!
- FORCE THIS PROCESS EVEN WHEN YOU THINK IT'S A SLAM DUNK.



CERULEAN SPOTS





RESPONSIBILITY TO REPORT

- PHYSICIANS ARE GENERALLY **MANDATED REPORTERS AT ALL LEVELS OF TRAINING** WHILE ACTING IN A PROFESSIONAL CAPACITY
- SOME STATES ALLOW FOR PERMISSIVE REPORTING AS WELL
- IT IS CRITICAL THAT YOUR REPORT **SUSPICION** FOR ABUSE.
- CONFIRMATION BASED ON PENDING TESTING SHOULD NOT DELAY REPORTING
- ALL STATES HAVE SOME DEGREE OF **IMMUNITY FOR GOOD FAITH REPORTING**
- FAILURE TO DO SO MAY RESULT IN CRIMINAL CHARGES

TAKE AWAY MESSAGES



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DOCUMENTATION

- THINK THROUGH A DIFFERENTIAL AND EVALUATE FOR IT!
- FRACTURE MIMICS
 - OSTEOGENESIS IMPERFECTA
 - RICKETS
 - TEMPORARY BRITTLE BONE DISEASE
 - OBSTETRIC TRAUMA
 - CONGENITAL SYPHILLIS
 - DOWN SYNDROME
- BURN MIMICS
 - LAXATIVE DERMATITIS
 - STAPH SCALDED SKIN
 - PHYTOPHOTODERMATITIS
 - MOXIBUSTION
- BRUISING MIMICS
 - COINING
 - CUPPING
 - CERULEAN SPOTS
 - COAGULATION DEFECTS