PROMISE2 MEDICAL EVALUATION MINI-SERIES



CO-FUNDED BY THE EUROPEAN UNION



BARNAHUS

The key role of Barnahus is to coordinate the parallel criminal and child welfare investigations

PROMISE: SUPPORTING THE BARNAHUS MODEL

The Barnahus team coordinates interagency collaboration	
FORENSIC INTERVIEWS - MENTAL HEALTH PROFESSIONALS SPECIALISED IN FORENSIC INTERVIEWS	ASSESSMENT, THERAPY, SUPPORT - SPECIALISED MENTAL HEALTH PROFESSIONAL
Court testimonies Exploratory interviews	Assessment and treatment Ensuring access to treatment Support to non-offending parents
MEDICAL EXAMINATION - SPECIALISED MEDICAL STAFF	CHIILD PROTECTON – SOCIAL WELFARE

NB: Based on Icelandic model, not necessarily representative of other established MD/IA services

The Barnahus model offers the child victim/witness of violence a **child-friendly, safe and professional environment to disclose** – which is fundamental to the criminal investigation, the judicial process and the follow up of the child. Interview is recorded and used as evidence in court.

Relevant disciplines and agencies are **gathered under one roof**, providing a multidisciplinary, including medical examination, mental health examination and treatment, response to each child.

The model is integrated into the national social welfare, health, and/or justice systems in most countries.

FROM 0 TO BARNAHUS

- PROMISE I explored the criteria for Barnahus and similar models in depth and developed standard setting publications
- Select professionals from around Europe were invited
- PROMISE 2 From 0 to Barnahus is an open invitation to join the discussions within the European Barnahus Movement.
- · Key principles, standards, and challenges to consider when opening and operating a multidisciplinary and interagency collaboration for child victims and witnesses of violence.

www.childrenatrisk.eu/promise/publications

PROMISE **Barnahus Quality Standards** Guidance for Multidisciplinary and Interagency Response to Child Victims and Witnesses of Violence PROMISE PROM **PROMISE Enabling Compendium of Child-Sensitive Law and Guidance Justice** European and International The Success Story of the Barnahus Model Instruments concerning Child Victims



Promoting Progress on Barnahus in Europe

PROMISE

PROMISE

The PROMISE **Tracking Tool**

Barnahus Quality

Guidance for Multidisciplinary and

and Witnesses of Violence

Interagency Response to Child Victims

PROMISE

Standards Summary

and its Expansion in Europe

and Witnesses of Violence

PART 2: PHYSICAL ABUSE DIAGNOSTIC WORKUP AND DECISION-MAKING

FEATURING RESMIYE ORAL

PROFESSOR OF PAEDIATRICS, DIRECTOR OF THE CHILD PROTECTION PROGRAM AT THE UNIVERSITY OF IOWA, USA

CONTRIBUTING SPEAKERS:

Stefan Rune

Consultant Paediatrician at Karolinska University Hospital, Sweden

Watch his webinar now:

Part I: Framework for medical standards

Andrea Goddard

Consultant Paediatrician and Paediatric Lead, The Havens Sexual Assault Referral Centre, Kings College Hospital NHS Foundation Trust, London UK

Join her webinar 19 November 2018 15:00 CEST, Sexual abuse diagnostic workup and decision-making



How to Do Medical Evaluation for Child Victims of Physical Violence Consistent with BARNAHUS Standards

2018

RESMIYE ORAL, MD UNIVERSITY OF IOWA

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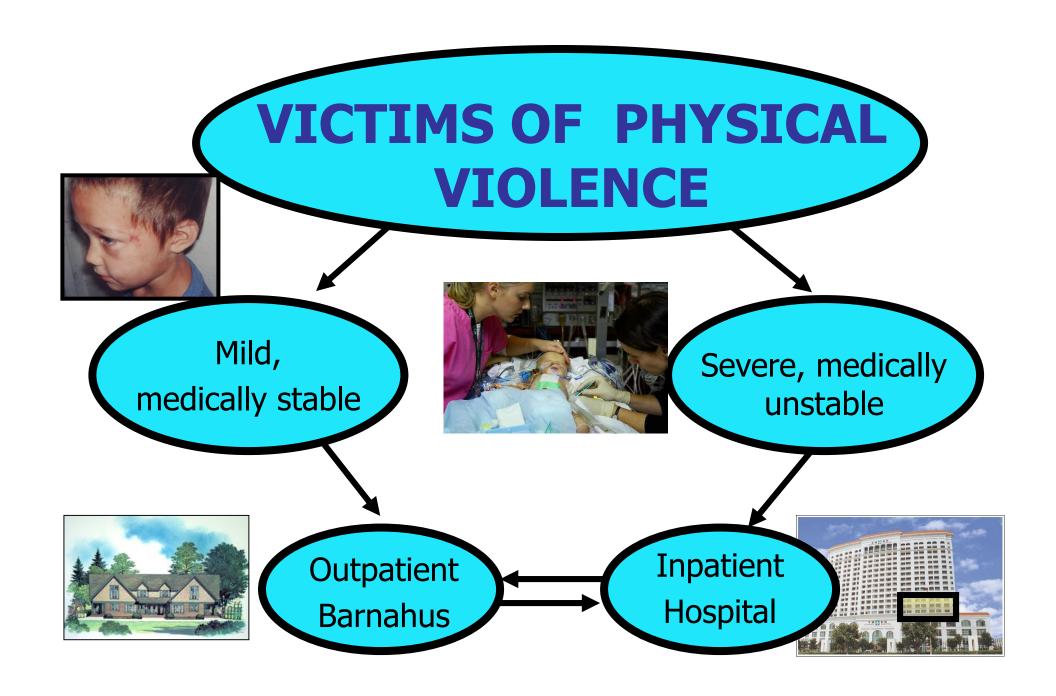
Yellowstone Ntl Park, WY

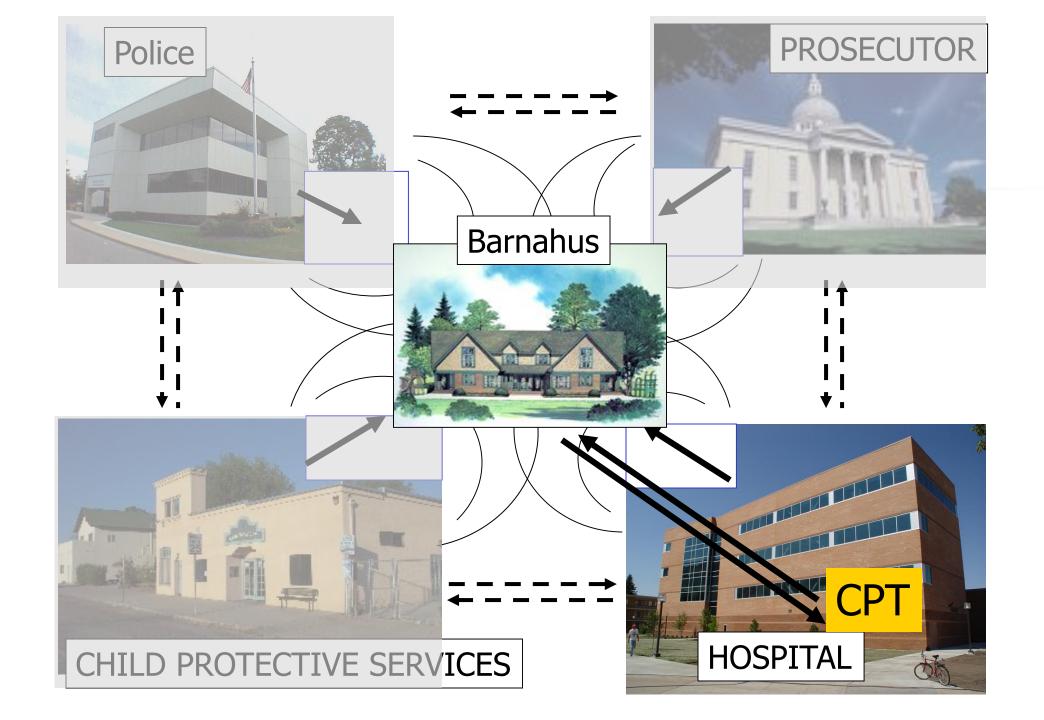


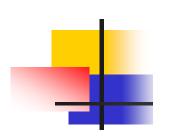


Learning objectives

- Know importance of coordinated, collaborative interagency response in medical evaluation
- Understand required facility characteristics
- Understand why medical evaluation is needed
- Understand required staffing and competencies
- Learn steps of diagnostic work up for PA and SA
- Recognize physical indicators of PA and SA
- Develop diagnostic interpretation pathways to PA and SA
- Treatment for STIs in SA

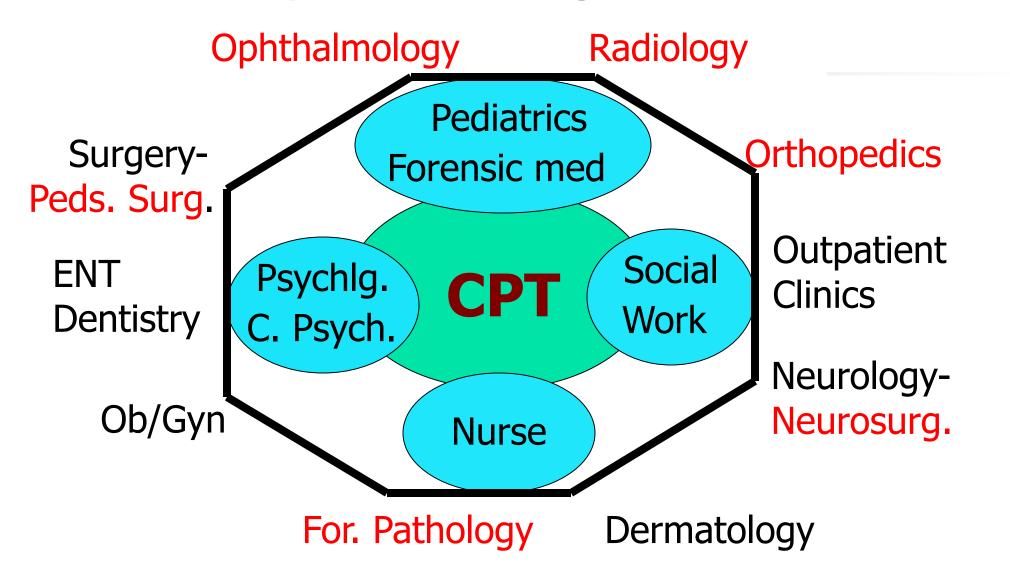


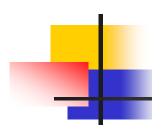




POLL: DO YOU ALREADY WORK FOR A BARNAHUS?

Hospital CPT Organization



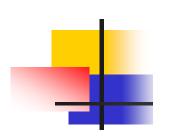


POLL: DO YOU ALREADY WORK FOR A HOSPITAL WITH PEDIATRIC INPATIENT UNITS?



Stake-holders Planning Meeting

- Which cases will warrant a CPT consultation
- How will the consultation system operate
- How will Barnahus and hospital handle bilateral referrals
- Forms to be used during the consult
- Documentation devices and system
- Reporting
- Post-consultation procedures
- Staff education plan



POLL: DO YOU ALREADY HAVE A HOSPITAL BASED MDT

Temple of Apollo, Turkey

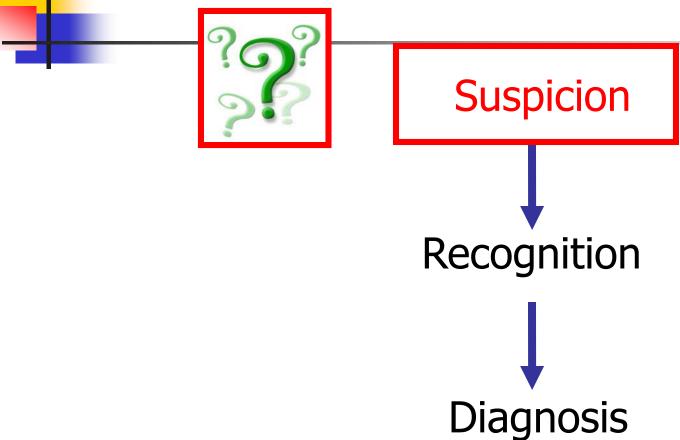




Hospital staff education plan

- Create a written protocol on how to recognize, evaluate, and manage physical abuse
- Train all relevant staff on protocol
- Place protocol on your hospital's website on a password protected page.
- Educate all staff on how to access this web page/protocol on the web.







Suspecting Abuse

Knowing the risk factors

Child Risk Factors

- Developmentally disabled
- Premature, physical illness
- Dysmorphic features
- Behavioral problems
- Unloved/unwanted
- Runaway
- Previous abuse in index child / sibling



Environment Risk Factors

- Poverty, unemployment
- Social isolation
- Pedophilia, internet
- Community and domestic violence
- Substance abuse



Caretaker Risk Factors

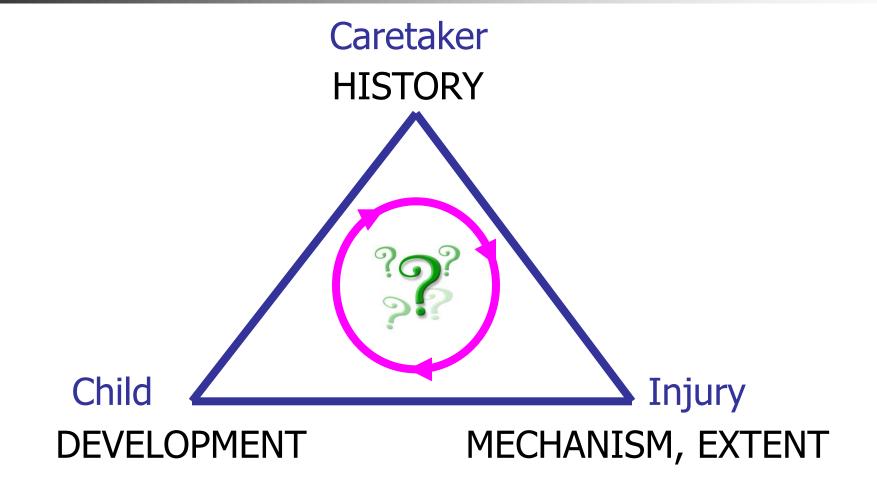
- Mother/father unavailable (Dead, depressive)
- Family disruption
- Substance abuse
- Live in boyfriend
- Single / teenage parent
- Childhood abuse experiences
- Unrealistic expectations
- Perceptions of the child



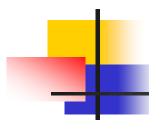




Do they make sense together? Oral's Triangle



TIMELINE



Birth

Date, BW, delivery

Hospitalizations

Dates, duration, cause

Illnesses

ER visits

Date, time

Dates, cause





Last seen normal

Caretakers involved

Triggers for abuse

Events

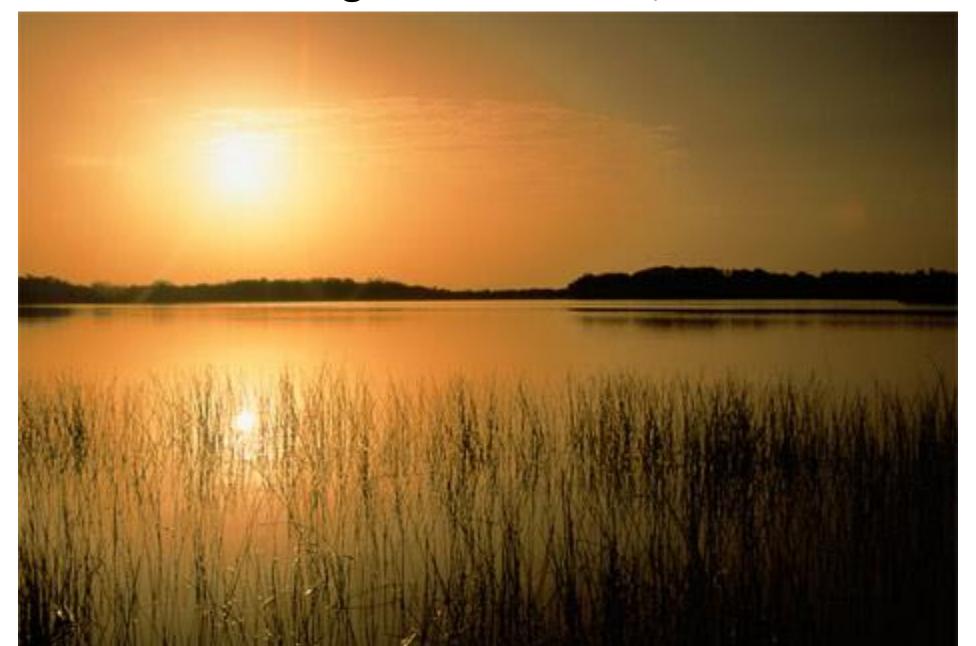
Deterioration time



Interventions

Hospital presentation

Everglades Natl Park, FL





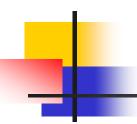
Behavioral indicators of physical abuse

- Extremes of behaviors
 - Withdrawn or aggressive
 - Polite or rude
 - Compulsively neat or messy
 - Obedient or resistant
 - Friendly/affectionate or hostile
 - Dependent or role reversal



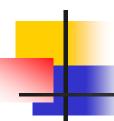
Behavioral indicators of physical abuse

- Wary of adult contact/touches
- Complains of soreness, moves uncomfortably
- Refuses to go home
- Poor self-esteem, self-destructive
- Antisocial, runaway, delinquent



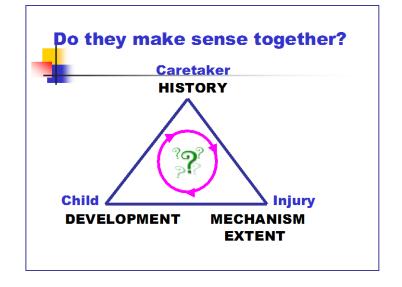
Observations

- Hostile parent/child or parent/ parent interactions
- Child fearful of caretaker
- Caretaker too defensive or aggressive
- ? Caretaker covering up

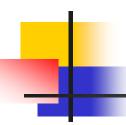


Physical Indicators of Physical Abuse

- Unexplained !!!
 - Bruises/welts/burns
 - Fractures/dislocations
 - Brain injuries/SDH/RH
 - Internal organ injuries



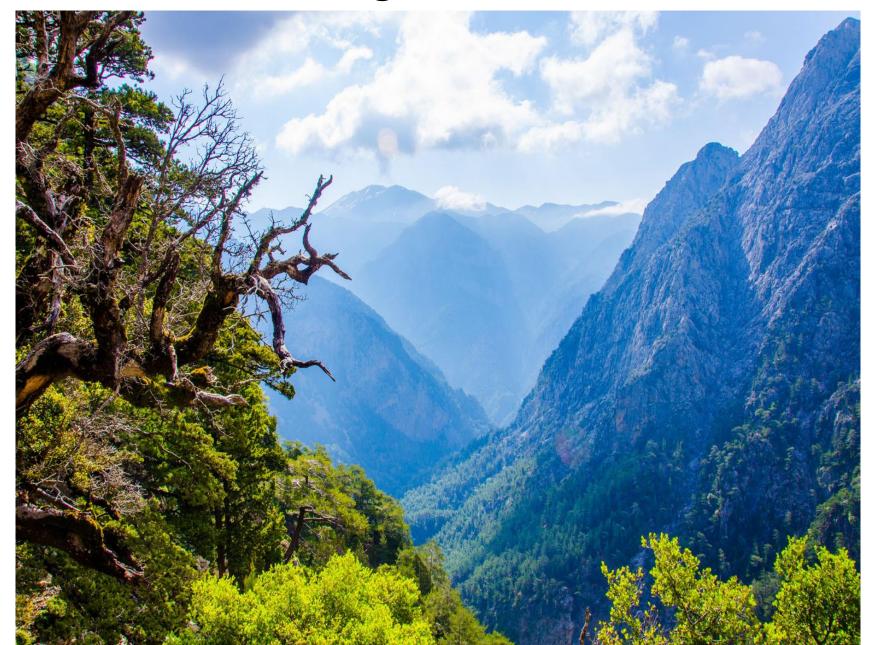
Delay in seeking medical help for injuries

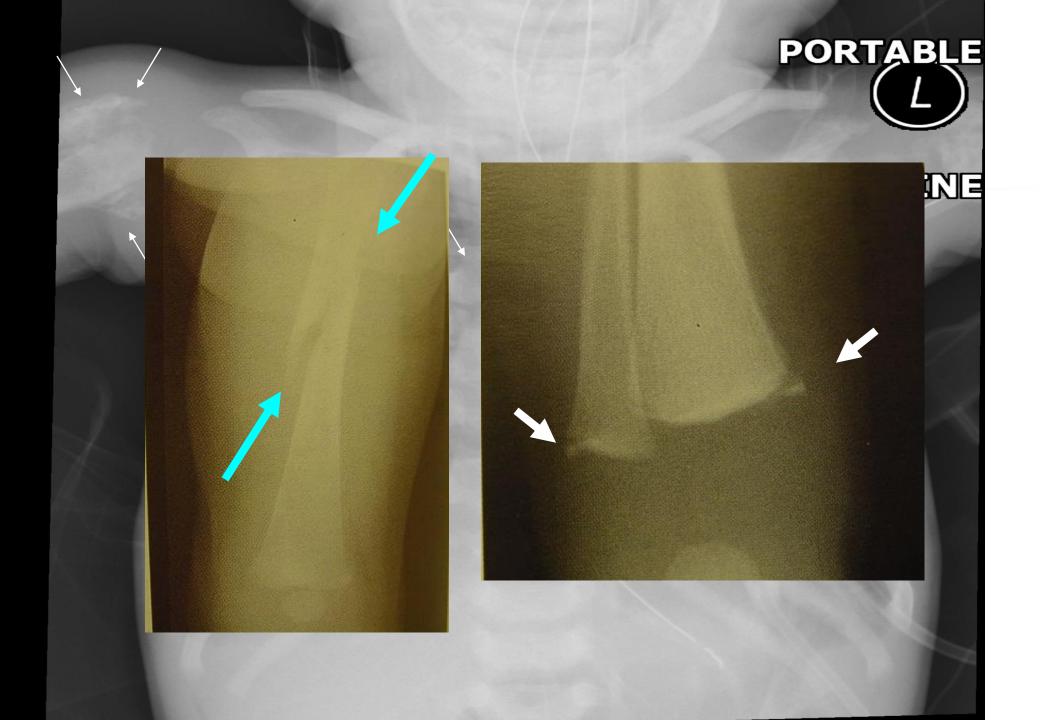


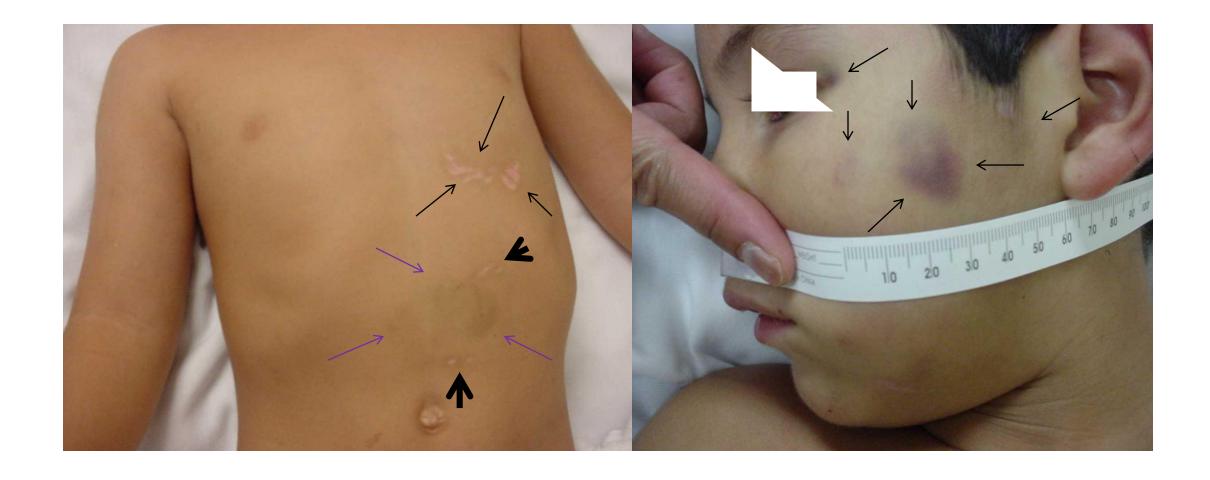
Recognizing Abuse

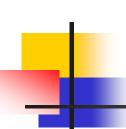
- Inconsistency in description of injury
- (type, severity, age, mechanism)
- Inconsistency in developmental level of child
- Injuries typical for inflicted injury
- Injuries with no history
- Patterned injuries
- Multiple injuries at various stages of healing

Samaria Gorge Ntl Park, Greece



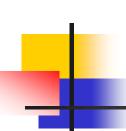






DIAGNOSTIC WORK-UP Physical Abuse/Neglect

- Skeletal survey : A must < 2 y/o
 - Humeri-upper arms (AP)
 - Forearms (AP)
 - Hands (Oblique, PA)
 - Femurs-thighs (AP)
 - Tibiae/fibulae shins (AP)
 - Feet (AP)
 - Chest (AP & lateral, if suspicious oblique)



DIAGNOSTIC WORK-UP Physical Abuse/Neglect

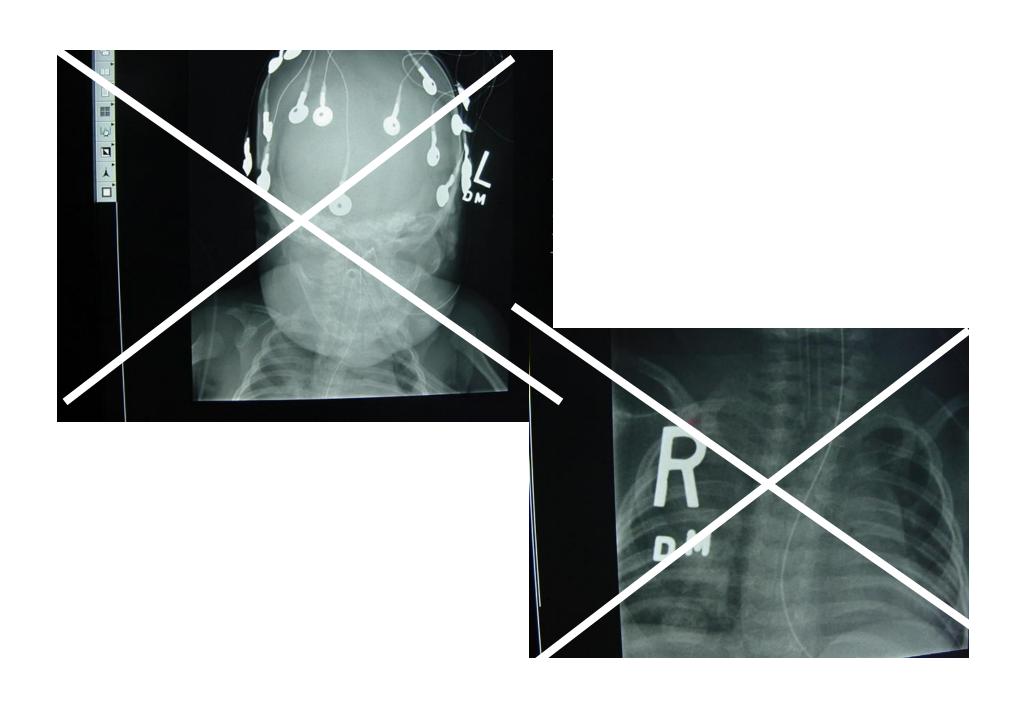
- Skeletal survey :
 - Pelvis + mid & lower lumbar spine (AP)
 - Lumbar spine (Lateral)
 - Cervical spine (Lateral)
 - Skull (Frontal & lateral, if suspicious oblique)
- In suspicious spots, repeat film with coning and restriction to specific area
- Repeat skeletal survey in 10-14 days





Yosemite Ntl Park, CA

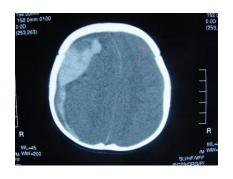




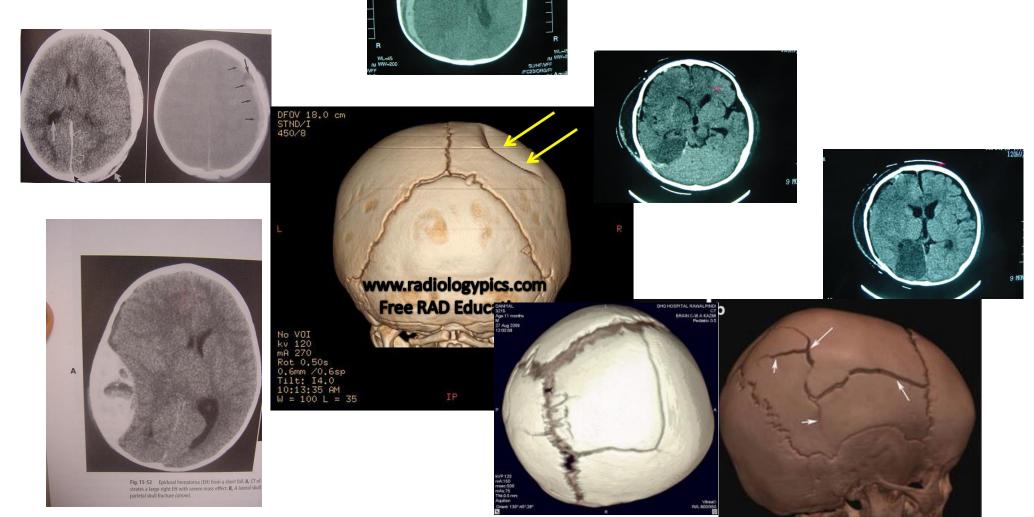


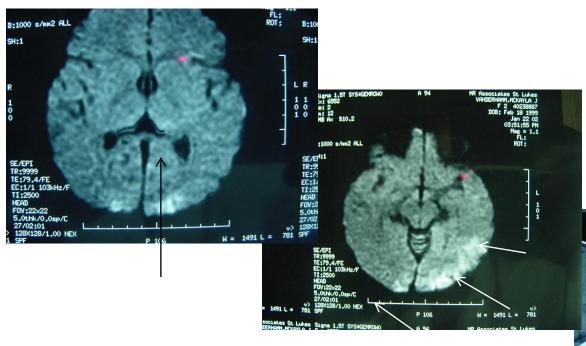
DIAGNOSTIC WORK-UP Physical Abuse/Neglect

- Head CT in acute head trauma
 - First week of injury
 - No contrast
- MRI in subacute/chronic phase
 - Follow up of acute injuries
 - Growing head circumference



CT images





MRI images

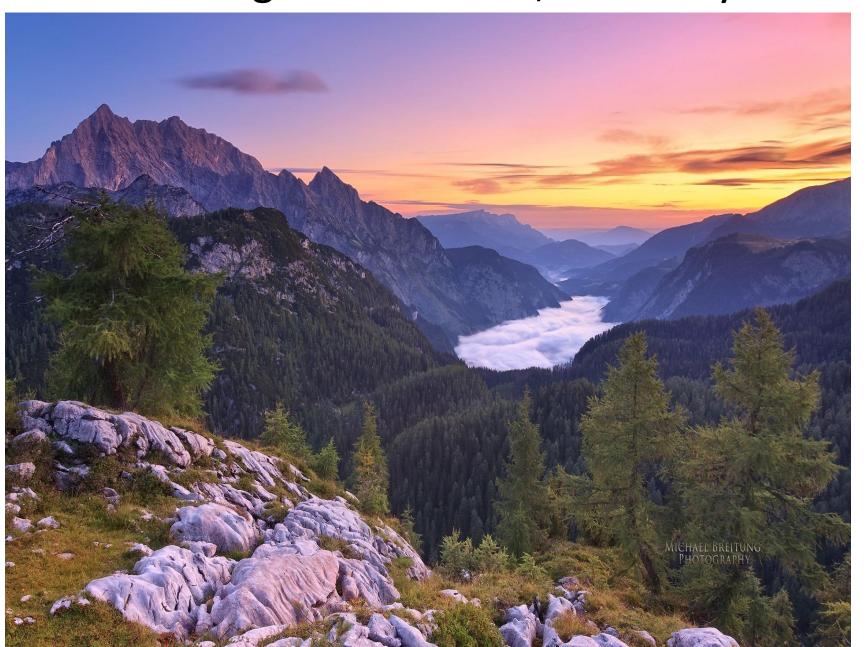




DIAGNOSTIC WORK-UP Physical Abuse/Neglect

- Chest/abdomen CT
 - Chest, abdomen injuries
 - Child with abusive head trauma in coma
- Blood count and coagulation studies
 - CBCC, PLT, PT, PTT, Von Willebrand Panel
 - Child with bleeding, bruising

Behtesgaden Ntl Park, Germany





DIAGNOSTIC WORK-UP Physical Abuse/Neglect

U/A, urine/hair drug testing, electrolytes,

liver, kidney & pancreas functions tests

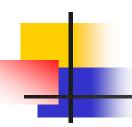
- Head, chest, abdominal trauma
- Excessive soft tissue bruising
- Metabolic tests when metabolic disease ?? (Type I Glutaric aciduria)
- Ophthalmology consult for eye exam





DIAGNOSTIC WORK-UP Physical Abuse/Neglect

- Genetics consult for genetic conditions
- Serum proteins, stool & urine tests for infections, lead, drug screening
 - Failure to thrive
- Developmental assessment
- Nutritional assessment



SUSPICIOUS BRUISES

- Too many, too big in too young
- Bruises in protected areas
- Patterned bruises
- Black eyes without history
- Bite marks
- Bruises of various ages on body sites with similar structure

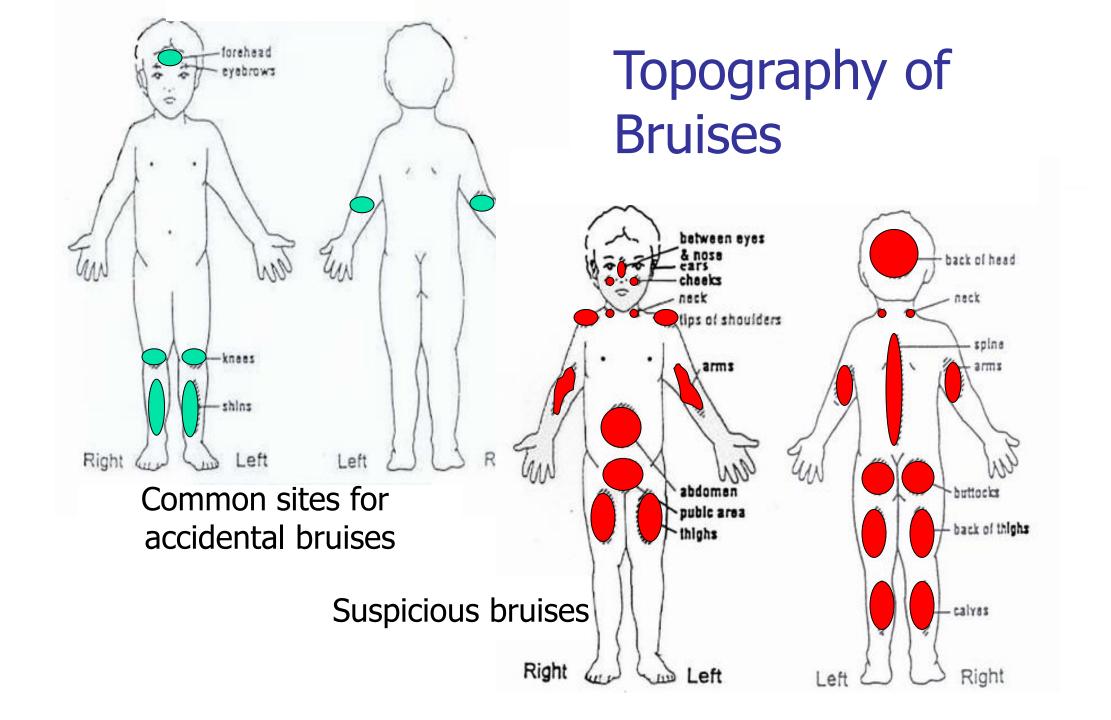
Bruises suspicious for abuse

• TEN-4

- Torso, ears, neck injuries on a child < 4 y/o
- Any bruise on a child less than 4 m/o



Pierce et al. Bruising Characteristics Discriminating Physical Child Abuse From Accidental Trauma. *Pediatrics* 2010;125;67-74



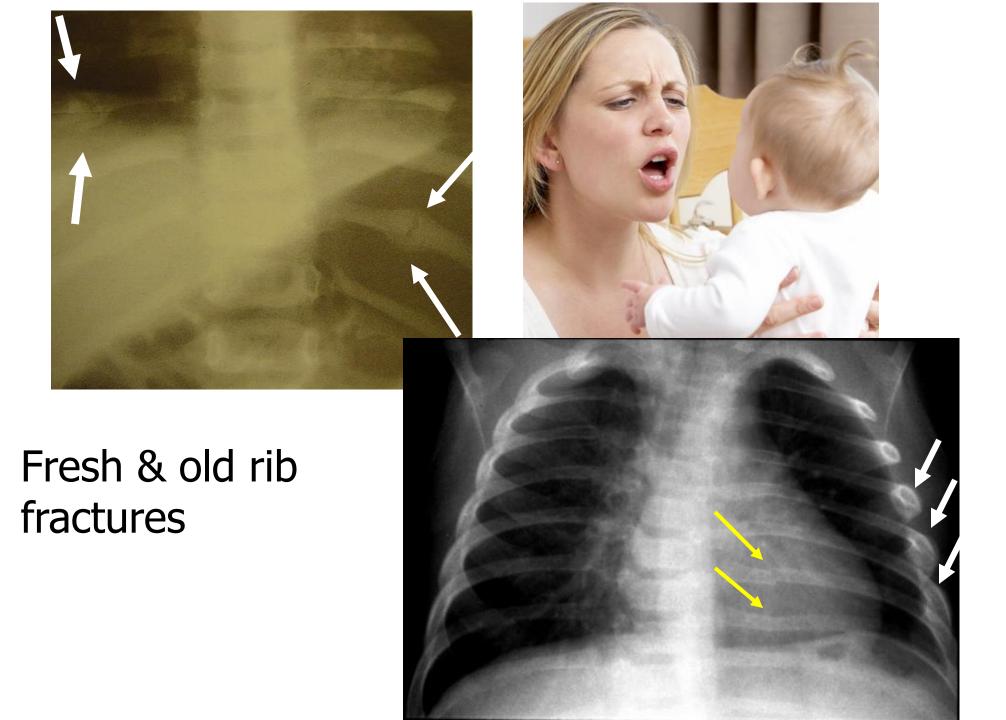
Canyonlands Ntl Park, UT



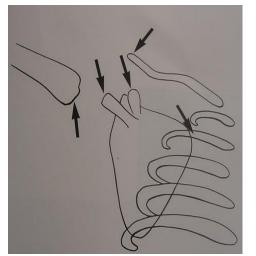




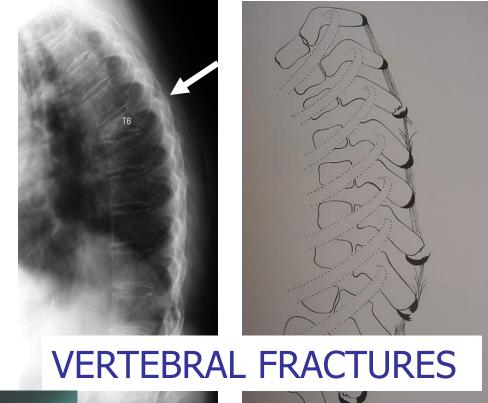






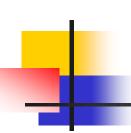


SCAPULAR FRACTURES

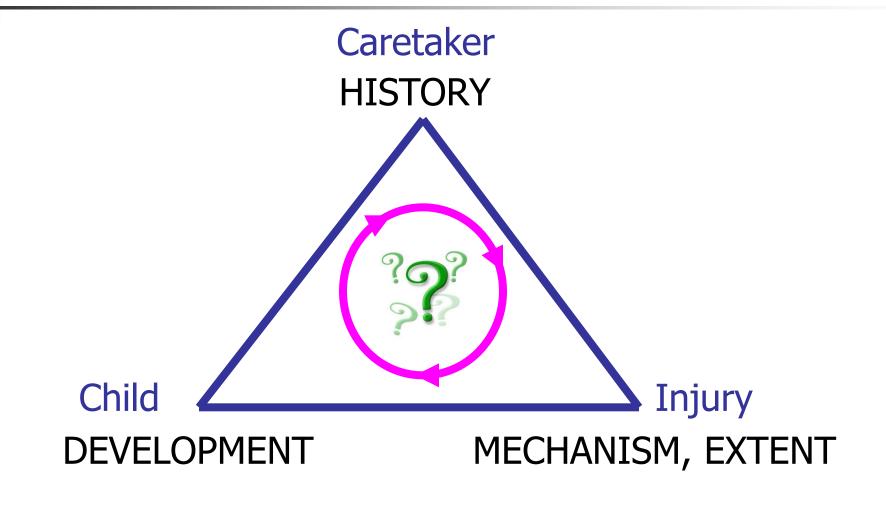




STERNAL FRACTURES

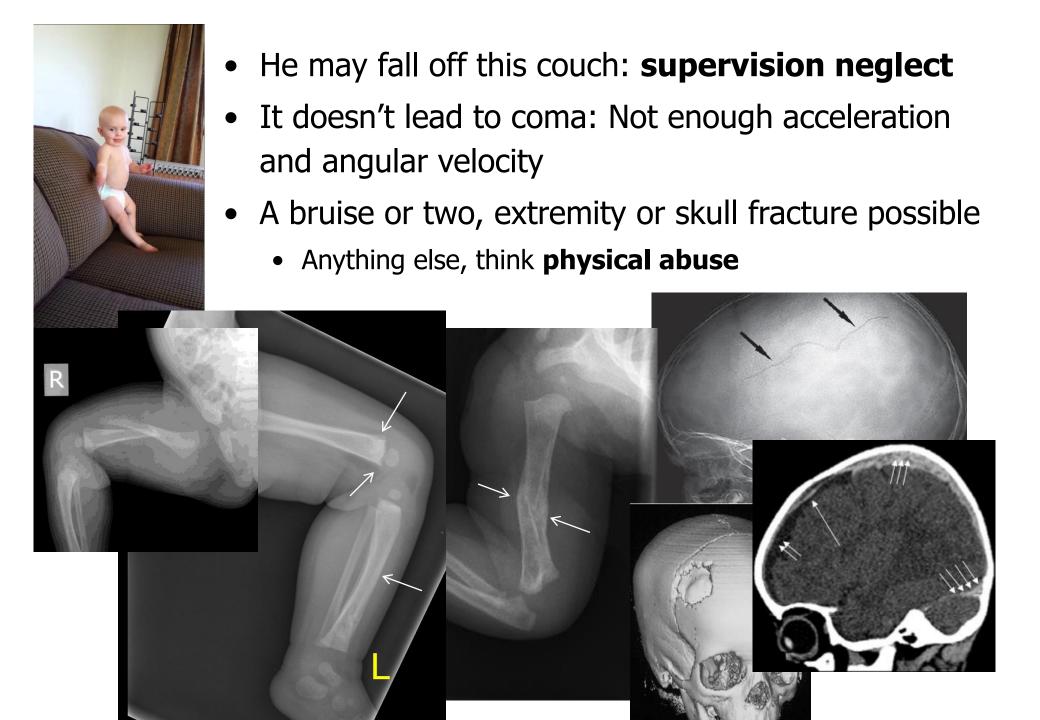


DIAGNOSTIC INTERPRETATIONS OF PHYSICAL ABUSE FINDINGS



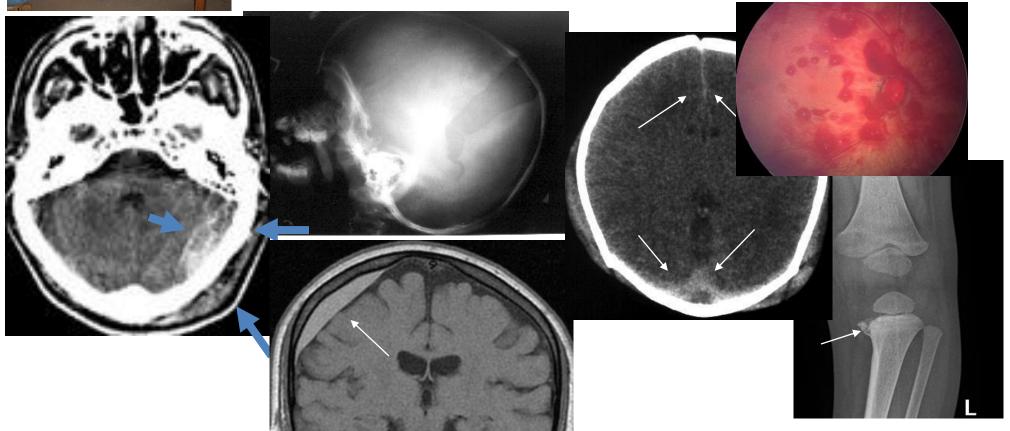
Green Mountain, VT







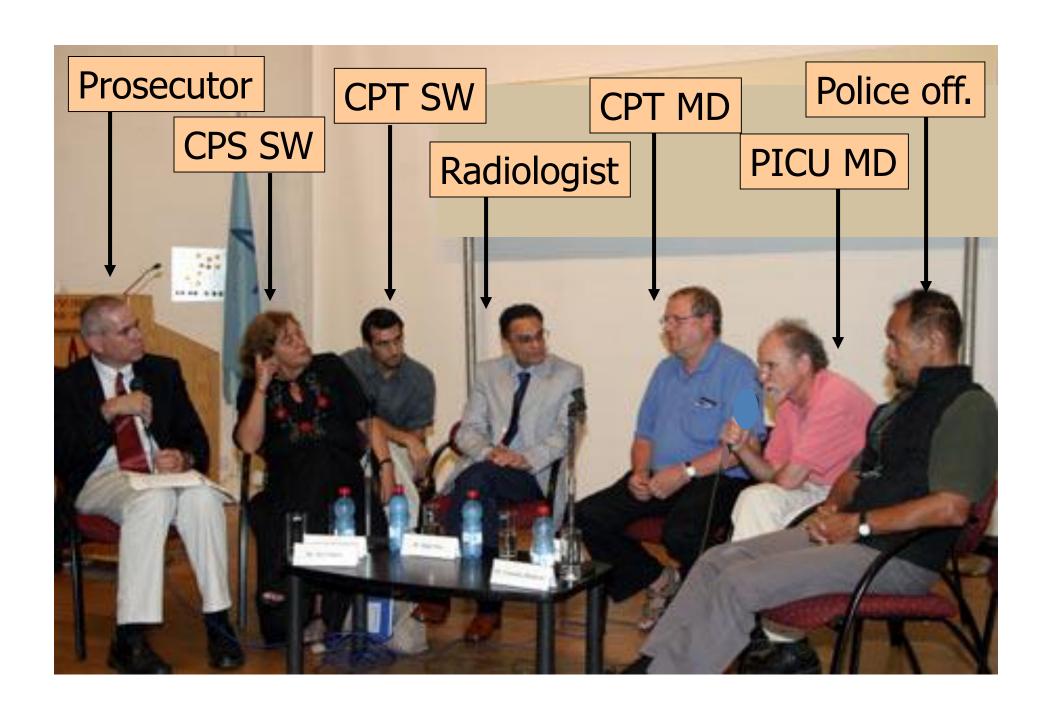
- She may fall off this bunk bed: supervision neglect
- Unlikely to lead to coma: Not enough acceleration and angular velocity
- In addition, focal SDH, SGH possible
 - Anything else, think **physical abuse**





Post-consultation procedures

- SW schedules a multidisciplinary meeting in 48-72 hours at PICU:
 - Hospital staff: CPT Clinician, SW, PICU Dr, radiologist
 - Community agency staff: SW from Child Protection Services, police officer, prosecutor
 - In select cases: Ped. Neurosurgeon, Ped. Neurologist, Ophthalmologist, Ped. surgeon, Orthopedist, Geneticist may be invited





Summary

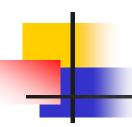
- Child abuse and neglect requires a high index of suspicion focusing on behavioral/physical indicators and history.
- Skeletal survey, head CT, abdominal/chest CT, MRI and other plain X-rays are helpful imaging tools in diagnosing physical abuse
- Other tests performed on blood, urine, stool, hair, meconium, cord blood may be used to diagnose/rule out abuse/neglect.

Joshua National Park, CA



Thank you

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FROM 0 TO BARNAHUS - SAVE THE DATES FOR THE UPCOMING WEBINARS

Medical evaluation - a key criteria for the Barnahus and similar setups

• 19 Nov 2018 – Sexual abuse diagnostic workup and decision-making

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