## Physical Abuse & Neglect Young Children: The pediatrician's perspective Maily Instant, MO BMN IN CASH Medical Touristers Program at UNC School of Medicions & Wake County Phumas Services UNC School of Government

## Objectives

- Discuss how medical providers identify and diagnose child maltreatment, specifically physical abuse
- Understand why child abuse pediatrics requires a multidisciplinary team to arrive at the correct diagnosis

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## NC Child Abuse Reporting Statutes: social services

• § 7B-301. Duty to report abuse, neglect, dependency, or death due to maltreatment.

Any person or institution who has cause to suspect that any juvenile is abused, neglected, or dependent, as defined by G.S. 7B-101, or has died as the result of maltreatment, shall report the case of that juvenile to the director of the department of social services in the county where the juvenile resides or is found. The report may be made orally, by telephone, or in writing.



American Academy of Pediatrics (AAP)

\*\*November 5, 2018 – American Academy of Pediatrics OPPOSES corporal
punishment, draws on recent evidence. \*\*\*



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NC Definitions: Neglect



Neglected juvenile. — A juvenile who does not receive proper care, tupervision, or discipline from the juvenile's parent, guardian, custodian, or caretaker; or who is not provided necessary remedial care; or who ives in medical care; or who is not provided necessary remedial care; or who lives in an environment injurious to the juvenile's welfare; or who has been placed for care or adoption in violation of law. In determining whether a juvenile is a neglected juvenile, it is relevant whether that juvenile lives in a home where another juvenile has dede as a result of suspected abuse or neglect or lives in a home where another juvenile has been subjected to abuse or neglect by an adult who regularly lives in the home. Abuse or Neglect?

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Medical diagnoses and/or documentation may not agree with child welfare decision

How Do Medical Providers Identify Abuse/Neglect?

- When assessing a child for an injury
   Does the history match the injury?
   Is the injury developmentally plausible?





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- When evaluating contributing factors to a child's behavior or emotional problems

How Do Medical Providers Identify Abuse/Neglect?

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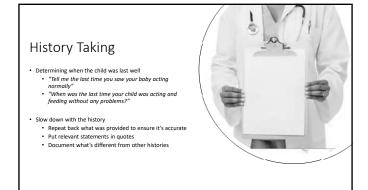




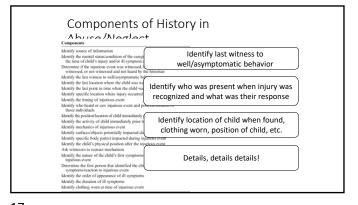
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It's all about the history

"The doctor will see you now—I can't promise that he'll talk to you, but he'll see you."



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## Recognition of Abuse/Neglect Concerning features when interviewing caregivers Changing story Delay in seeking care

Recognition of Abuse/Neglect

Concerning features when interviewing caregivers

Changing story

Delay in seeking care

Developmental skills described are inconsistent with child's age

19 20

# Concerning features when interviewing caregivers Changing story Delay in seeking care Developmental skills described are inconsistent with child's age History doesn't explain injuries Absence of a history Multiple injuries (e.g.; poisonings, fractures) Sibling blamed for injuries

Fear of offending families
 Challenges to Identification & Reporting
 Reporting
 Relationships with families bias our assessment

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When assessing a child for an injury

 Does the history match the injury?
 Is the injury developmentally plausible?

 When a child makes a concerning comment or statement

 During assessment for other forms of maltreatment

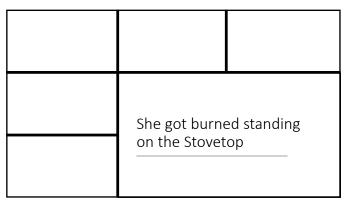
 When evaluating contributing factors to a child's behavior or emotional problems

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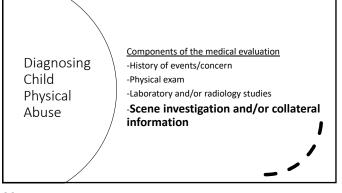
	Features support of forced immersion (absence of solath marks)
Non-Accidental	<ul> <li>Features suggestive of forced immersion (absence of splash marks)</li> <li>Skin sparing</li> </ul>
Burns	Symmetric burns     Burns localized to perineum, buttocks
	Features suggestive of inflicted contact burns     Injuries to other organ systems

Is this Child Abuse?

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	Is this Child Abuse	?		Hand burned by stove
29			30	
	He touched t	he stove		Is this child abuse?
31	and got burne	ed	32	



Multidisciplinary information

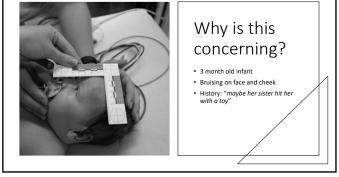
New information can impact medical opinions

• Temperature of an agent/object

• Type of agent/object

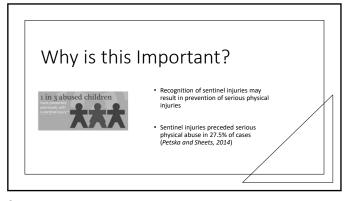
• Interviews with siblings

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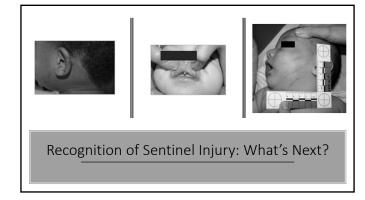


Predictors of increasing injury severity

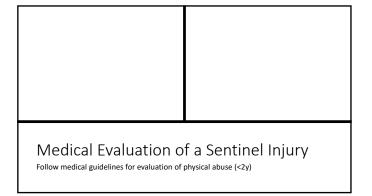
### What's known:

- 1/3 of children who are the subject of first maltreatment reports are re-reported within 5 years
- Risk factors: young age and "minor injuries"



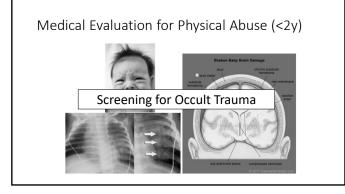


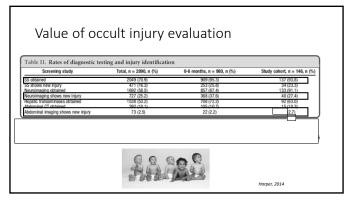
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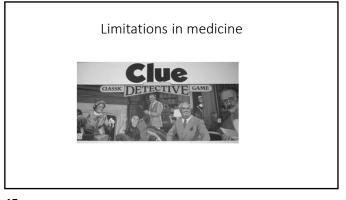
• Skeletal Survey • Eye exam • Imaging of the brain by CT and/or What's the • Laboratory Evaluation general -Screening for occult abdominal evaluation for trauma physical abuse -Urine drug screen • Outpatient medical follow-up after (<2y)? discharge if admitted -Repeat skeletal survey Screening for Occult Injuries

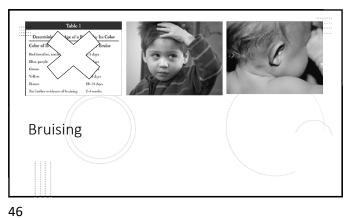
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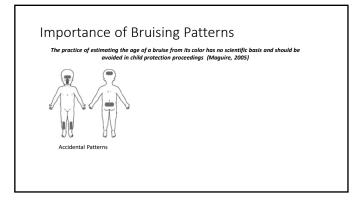


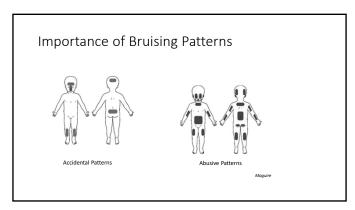


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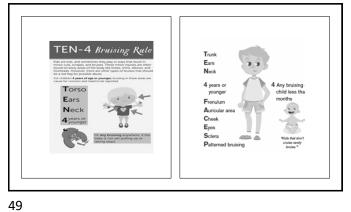


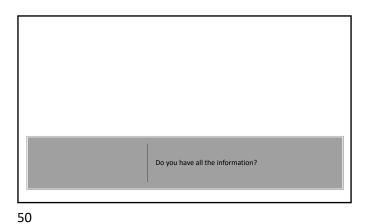


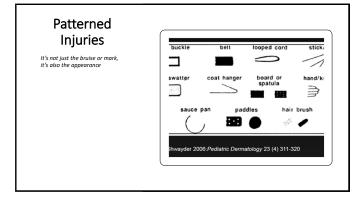


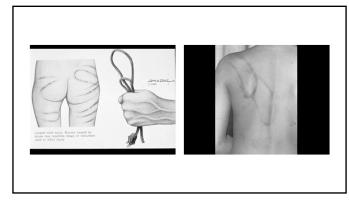


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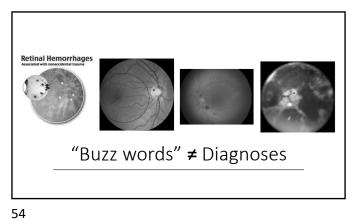






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What caused this mark?



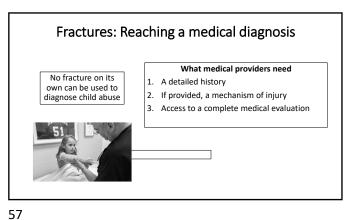
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What Tests Should be Ordered?



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Fractures: It's all about the history TABLE 1: Time Since Injury When the Radiologic Signs of Fracture Healing Are Present as Proposed in Radiology Textbooks and Primary Scientific Studies Islam et al. [5] 4-10 d 10-21 d 2-5 d >7 d 7-10 d 4-6 wk [56%] (2-8 wk) 4-7 wk [100%] (≥2 wk) 10-14 d 14-21 d 4-10 d 1.6 wk (1-3 wk) 4-6 wk [85%] (2-11 wk) 10-14 d 14-21 d 14-21 d 21-42 d

## Understanding Future Risk & Treatment: Importance of the Social history -Caregiver age, employment, parenting experience -Domestic violence exposure -Caregiver mental health & substance use history -Other adverse childhood experiences +Risk factors ≠ Medical diagnosis of abuse

## Summary

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- Medical providers Identify and diagnose physical abuse and/or neglect based on available information
  - Developmental concerns and abilities contribute to formulating a diagnosis
  - A multidisciplinary response assists with ensuring an the most accurate diagnosis
- Medical experts should rely on published literature and medical society guidelines to ensure a complete medical evaluation
- Know your local experts: https://www.med.unc.edu/cmep/

59 60

Is this a sentinel injury?

