

**Hot Topics in Pediatric Emergency Medicine:  
Articles You Need To Know!**

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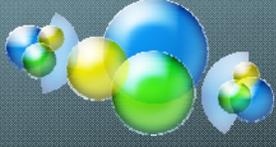
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**Article #1:  
Are You Performing The Correct  
Workup For Children With Simple  
Febrile Convulsions?**

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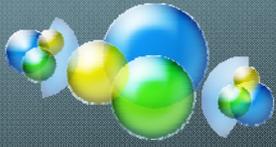
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**CLINICAL PRACTICE GUIDELINE—FEBRILE  
SEIZURES: GUIDELINE FOR THE  
NEURODIAGNOSTIC EVALUATION OF THE  
CHILD WITH A SIMPLE FEBRILE SEIZURE**

PEDIATRICS Volume 127, Number 2, February  
2011

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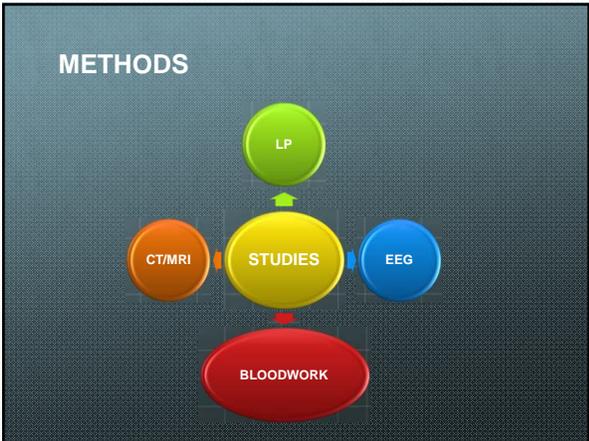
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### CONCLUSIONS

- Clinicians evaluating infants or young children after a simple febrile seizure should *direct their attention toward identifying the cause of the child's fever*
- Meningitis should be considered in the differential diagnosis
- For any infant between 6 and 12 months of age who presents with a seizure and fever, *a lumbar puncture is an option when the child is considered deficient in Haemophilus influenzae type b (Hib) or Streptococcus pneumoniae immunizations*

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### CONCLUSIONS

- A lumbar puncture is an option for children who are *pretreated with antibiotics*
- In general, a simple febrile seizure *does not usually require further evaluation, specifically electroencephalography, blood studies, or neuroimaging*

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Article #2:  
Are You Compliant With the Current  
Recommendations For The Treatment of  
Childhood Pneumonia?

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Executive Summary: The Management of  
Community-Acquired Pneumonia in Infants and  
Children Older Than 3 Months of Age: Clinical  
Practice Guidelines by the Pediatric Infectious  
Diseases Society and the Infectious Diseases  
Society of America

CID 2011;53 (1 October)

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### Diagnostic Testing

- Routine measurement of the complete blood cell count is not necessary in all children with suspected CAP managed in the outpatient setting, but in those with more serious disease it may provide useful information for clinical management in the context of the clinical examination and other laboratory and imaging studies
- Acute-phase reactants, such as the erythrocyte sedimentation rate (ESR), C-reactive protein (CRP) concentration, or serum procalcitonin concentration, cannot be used as the sole determinant to distinguish between viral and bacterial causes of CAP

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### Diagnostic Testing

- Routine chest radiographs are not necessary for the confirmation of suspected CAP in patients well enough to be treated in the outpatient setting (after evaluation in the office, clinic, or emergency department setting)

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### Anti-Infective Treatment

- Antimicrobial therapy is not routinely required for preschool-aged children with CAP, because viral pathogens are responsible for the great majority of clinical disease
- Amoxicillin should be used as first-line therapy for previously healthy, appropriately immunized infants and preschool children with mild to moderate CAP suspected to be of bacterial origin
- Macrolide antibiotics should be prescribed for treatment of children (primarily school-aged children and adolescents) evaluated in an outpatient setting with findings compatible with CAP caused by atypical pathogens

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### Anti-Infective Treatment

📌 Treatment courses of 10 days have been best studied, although shorter courses may be just as effective, particularly for more mild disease managed on an outpatient basis

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Article #3:  
How Are You Handling CHI In Infants and Children?

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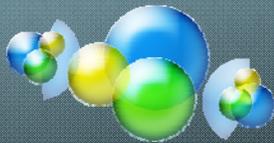
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Identification of Children At Very Low Risk of Clinically Important Brain Injuries After Head Trauma: A Prospective Cohort Study

Lancet 2009; 374: 1160-1170

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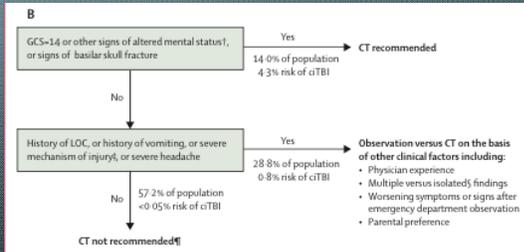
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Suggested CT algorithm for **children 2 years and older** with GCS scores of 14-15 after head trauma



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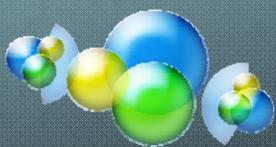
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A Quick and Dirty Battle You Need to Win



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The Child With a CHI Referred for a CT Scan

- These kids always arrive at the busiest times
- The children (and parents) are tired and hungry
- Your Hx and PE take all of 10 minutes
- Regardless of what you tell them, **THEY WANT A CT SCAN**

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### The Child With a CHI Referred for a CT Scan

What to say to these parents

- There have been large multicenter studies which provide guidelines for the evaluation of CHI in infants and children
- This child does NOT meet criteria for a CT Scan
- Radiation is harmful
- The child will more than likely grow up to necessitate CT scanning in the future
- You will probably have to sedate the child to do the study



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THANK YOU!



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