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Name of journal: World Journal of Clinical Pediatrics

ESPS Manuscript NO: 16745

Columns: Editorial

**Limited brain magnetic resonance imaging for evaluation of non-traumatic pediatric head emergencies**

Chetan Chandulal Shah, Ashishkumar K Parikh

**Abstract**

Limited brain MRI consisting of axial FLAIR, axial DWI, coronal SSFSE and sagittal SSFSE can be performed in under 5 minutes of scan time. This approach may provide more information than a non-contrast head CT in non-traumatic pediatric head emergency, avoid ionizing radiation from CT scan and stratify patients who need more detailed brain MRI. Research studies are required to provide evidence for feasibility of such an approach.

**Key words:**

CT, MRI, Head, Brain, Emergency, Computed Tomography, Magnetic Resonance Imaging, Pediatric, Pediatric head emergency



Limited Brain MRI for Evaluation of Non-Traumatic Pediatric Head Emerg



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## Google 学术: Limited Brain MRI for Evaluation of Non-Traumatic Pediatric Head Emergencies

Post-traumatic epilepsy: an overview - Agrawal - 被引用次数: 118

Headaches in a pediatric emergency department: ... - Kan - 被引用次数: 78

... imaging of traumatic brain injury: relationship of T2 SE ... - Gerber - 被引用次数: 33

## Minor head trauma in infants and children: Evaluation

[www.uptodate.com/.../minor-head-trauma-in-infants-and-childr...](http://www.uptodate.com/.../minor-head-trauma-in-infants-and-childr...) ▾ 翻译此页

作者: O reprint from UpToDate - 相关文章

2014年10月27日 - Most head trauma in children is minor and not associated with brain injury or ... and children with ciTBI while limiting unnecessary radiographic imaging and ... with pediatric emergency expertise may have limited accuracy in ...

## [PDF] Heads Up - Centers for Disease Control and Prevention

[www.cdc.gov/.../headsup/pdf/Facts\\_for\\_Physicians\\_booklet-a.p...](http://www.cdc.gov/.../headsup/pdf/Facts_for_Physicians_booklet-a.p...) ▾ 翻译此页

相关文章

FACTS. Physicians can play a key role in helping to prevent mild traumatic brain injury. (MTBI or ... neuroimaging findings (i.e., CT scan, MRI). MTBI results in a ... often not recognized among children with orthopedic injuries. Physicians ... consideration for referral to emergency medical evaluation and/or neuro imaging to ...

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... low risk of clinically-important brain injuries after head ... - Kuppermann - 被引用次数: 416

Magnetic resonance imaging of traumatic brain injury: ... - Gerber - 被引用次数: 33

The shaken baby syndrome: a clinical, pathological, ... - Duhaime - 被引用次数: 627

## Computed Tomography Vs Magnetic Resonance Imaging ...

[www.hospitalpediatrics.org/content/5/2/79.long](http://www.hospitalpediatrics.org/content/5/2/79.long) - 翻译此页

作者: SDW Buttram - 2015

2015年2月1日 - Background and Objective: Pediatric traumatic brain injury (TBI) is a leading cause of ... Among patients with abusive head trauma, MRI detected ... for the acute evaluation of TBI in the emergency department because it can be .... small hematomas not visualized on the follow-up MRI (limited series).

## [PDF] Head Trauma - American College of Radiology

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Rating Scale: 1,2,3 Usually not appropriate; 4,5,6 May be appropriate; 7,8,9 .... CT's advantages for evaluating the head-injured patient include its sensitivity for ... clinically important brain injury in subjects with a GCS score of 13-15 based on ... MRI in imaging of head trauma is hindered by its limited availability in the acute ...



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## Google 学术: Limited brain magnetic resonance imaging for evaluation of non-traumatic pediatric head emergencies

... low risk of clinically-important brain injuries after head ... - Kuppermann - 被引用次数: 420

Magnetic resonance imaging of traumatic brain injury: ... - Gerber - 被引用次数: 33

The shaken baby syndrome: a clinical, pathological, ... - Duhaime - 被引用次数: 630

## Neuroimaging in Traumatic Brain Imaging

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) > ... > PubMed Central (PMC) ▾ 翻译此页

作者: B Lee - 2005 - 被引用次数: 77 - 相关文章

Keywords: Head injury, MRI, PET, neuroimaging, trauma, SPECT, CT ... The following review will discuss the indications for imaging patients with TBI, .... Studies on the use of MRI have been limited and have not found MRI to add ..... in pediatric patients with normal neurologic examination in the emergency department.

## [PDF] The Unique Features of Traumatic Brain Injury in Children ...

[www.researchgate.net/](http://www.researchgate.net/) ... Traumatic\_Brain\_Children\_Review... ▾ 翻译此页

作者: PS Pinto - 2011 - 被引用次数: 28 - 相关文章

Review of the Characteristics of the Pediatric Skull and Brain, Mechanisms of ...

Traumatic head/brain injury (TBI) is a leading cause of death and life-long disability in children. ... and (MRI) have revolutionized diagnosis, management, and treatment