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Thoracic ultrasound: An adjunctive and valuable imaging tool in emergency, resource-limited settings and for a sustainable monitoring of patients

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Abstract

Imaging workup of patients referred for elective assessment of chest disease requires an articulated approach: imaging is asked for achieving timely diagnosis. The concurrent or subsequent use of Thoracic Ultrasound (TUS) with conventional (chest x-rays-CXR-) and more advanced imaging procedures (CT and MRI) implies advantages, limitations and actual problems. Indeed, despite TUS may provide useful imaging of pleura, lung and heart disease, emergency scenarios are currently the most warranted field of application of TUS: pleural effusion, pneumothorax, lung consolidation. This stems from its role in limited resources subsets; actually, **ultrasound is an excellent risk reducing tool, which acts by 1) increasing diagnostic certainty, 2) shortening time to definitive therapy, and 3) decreasing problems from blind procedures that carry an inherent level of complications.** In addition, paediatric and newborn disease are particularly suitable for TUS investigation, aimed at the detection of congenital or acquired chest disease avoiding, limiting or postponing radiological exposure. TUS improves the effectiveness of elective medical practice, in resource-limited settings, in small point of care facilities and

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作者: GM Trovato - 2014 - 被引用次数: 8 - 相关文章

2014年8月27日 - Keywords: **Sustainable** medical research, Medical skills, PPPM ... often **limited** and, if any, is overwhelmed by the concern that human **resources** and cardiac and general ultrasound (including **thoracic ultrasound**) and lifestyle ... (MPM); moreover, we **monitor** by TUS **imaging patients** with occupational or ...

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The **value** of point-of-care ultrasound education in **resource-limited settings** is ... guidance exists on how to best construct a **sustainable** training program. Herein we ... practice setting, and **patient** chart and health statistics review. ... contains an example of a needs assessment **tool** developed by **Chest ultrasonography** for.

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作者: AS Gingrich - 2013 - 被引用次数: 7 - [相关文章](#)

2013年6月15日 - (1)Division of **Emergency Ultrasound**, Department of **Emergency** ... for **patients** suspected of having intussusception in **resource-limited settings** ...
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2014年5月27日 - (1)Division of **Emergency Ultrasound**, Department of **Emergency Medicine** ... of point-of-care **ultrasound** education in **resource-limited settings** is increasingly recognized, though little

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