

Agenda



12:00- 12:40 **Imaging of Acute Ischaemic Stroke**
Dr. Cheng Pui-Wai
St. Teresa's Hospital, Hong Kong

12:40-12:50 **Q&A**

13:00- 13:10 **fMRI, The cutting- edge of MRI Innovation**
Julian Gan, Collaboration Manager,
Siemens Healthcare, Regional Headquarter

13:10-13:20 **Q&A**

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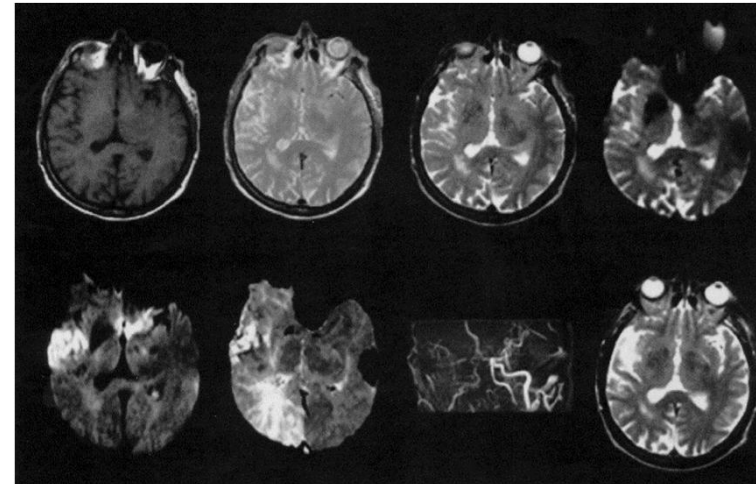
Dr. Cheng's Lecture Abstract

Dr. Cheng Pui-Wai

Consultant Radiologist-in-charge, Scanning Department, St. Teresa's Hospital

Lecture title: "*Imaging of Acute Ischaemic Stroke*"

- Advanced stroke imaging plays a pivotal role in selection and monitoring of acute stroke patients for various recanalization therapies.
- Conventional MR imaging, most notably the diffusion-weighted sequence has vastly improved the sensitivity and specificity for detection of acute stroke as compared with CT scan in the early days. The first part of this talk will focus on the essential pearls and pitfalls in contemporary acute stroke imaging so as to improve diagnostic accuracy in our daily clinical practice by recognizing common critical artifacts. Neuroimaging scores for acute stroke will also be briefly reviewed.
- Secondly, the continually evolving multi-modality and multi-parametric stroke imaging approach will be elaborated. Advanced imaging techniques such as CT angiography, CT perfusion, dynamic susceptibility perfusion-weighted MR imaging, arterial spin labeling perfusion-weighted MR imaging are increasingly employed for triage of patients for tailoring acute stroke therapy.
- Emerging novel stroke imaging techniques such as diffusion tensor and permeability imaging will also be addressed in the context of their potential clinical application. Different directions for future stroke imaging research will be high-lighted in the light of rapid development of mechanical thrombolysis and other endovascular recanalization strategies.



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Julian Gan's Presentation Abstract

Julian Gan
Collaboration Manager, Siemens Healthcare,
Regional Headquarter

Presentation title: “fMRI, The cutting-edge of MRI Innovation”

- Introduction to fMRI and BOLD
- fMRI : sequence parameters & optimisation
- Different experimental paradigms
- Post processing & Data Analysis
- Clinical fMRI Applications
- Pitfalls

