Quantitative MRI in White Matter Disorders: Useful, Usable and Used?

Vancouver, BC, Canada • 07-10 February 2017
Fairmont Waterfront Hotel

OVERVIEW
This workshop will focus on the role that quantitative MRI can play in examining White Matter (WM) diseases in a clinical setting. Despite great advances in the development of sophisticated quantitative MRI (qMRI) techniques capable of characterizing central nervous system (CNS) tissue, these techniques have yet to be proven useful in every-day clinical practice. The main objective of the proposed workshop is to address this important issue.

The workshop is structured as a series of sessions devoted to specific qMRI techniques: resting state fMRI, DTI, susceptibility MRI, myelin imaging, and spectroscopy. Each session consists of a technical summary, an overview of the current clinical applications and a series of proffered talks. At the end of each session a panel of experts will lead a discussion on the clinical applicability of a given technique, with the purpose of assessing whether the technique is indeed useful and usable, and providing specific recommendations on what needs to be done so it can be used in every-day clinical practice. The workshop will also include an opening lecture that will discuss the use of MRI techniques in characterizing WM disorders, a “cutting edge technologies” session, and poster presentations.

EDUCATIONAL OBJECTIVES
Upon completion of this activity, participants should be able to:
• Discuss the technical aspects of the quantitative MRI techniques used to study WM disorders;
• Recognize the limitations of these techniques with regards to their clinical applications;
• Explain the key role of quantitative MRI in cross-sectional and longitudinal studies;
• Describe the importance of appropriate image analysis tools, especially when dealing with multi-modal analysis; and
• Summarize the current state of the field and gain a glimpse of where the future may lead.

FOR MORE INFORMATION INCLUDING HOUSING & REGISTRATION, PLEASE VISIT:
www.ismrm.org/workshops/WhiteMatter17/
OR CALL: +1 510 841 1899