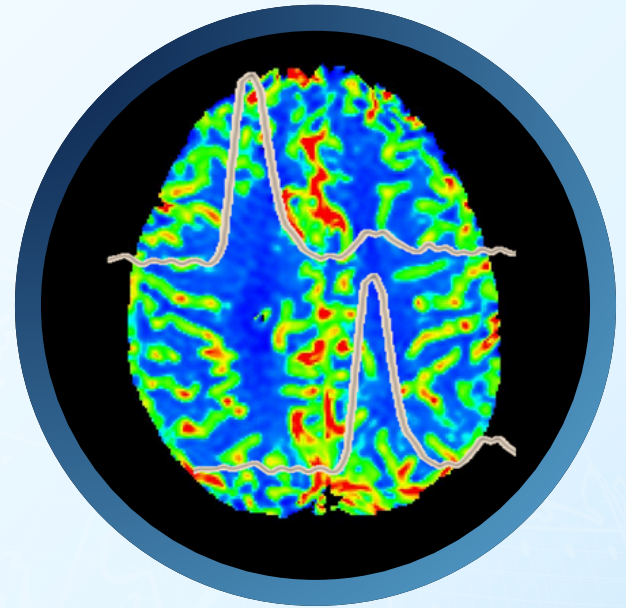


ISMRM WORKSHOP ON Perfusion MRI: Found in Translation

 15-17 March 2025

 Baluarte Conference Centre
Pamplona, Spain

Abstract Submission Deadline: 13 December 2024 | 23:59 UTC



OVERVIEW

The overall goal is to catalyze and facilitate the clinical translation of perfusion MRI.

Perfusion MRI has experienced significant growth as a research field in recent years and is increasingly finding clinical applications. The general theme of the workshop will be about perfusion as an indicator of organ health and function. We will showcase research illustrating how perfusion imaging can be used to better understand disease pathology, monitor treatment response, and promote biomarker discovery.

In this workshop, we aim to disseminate cutting-edge research on perfusion MRI and other related methods. We aim to facilitate the exchange of ideas, techniques, and data, and to foster community development in an increasingly important scientific area through collaboration and networking. We aim to encourage dialogue between academic investigators and industrial, pharmaceutical, and regulatory partners.

We also aim to reach consensus on the acquisition, processing, analysis, and interpretation of perfusion MRI, given the new developments and availability of different techniques. These efforts will facilitate the standardization for the acquisition and analysis of perfusion MRI.

TARGET AUDIENCE

Engineers, scientists, and clinicians interested in perfusion MRI techniques and applications from acquisition to processing strategies.

EDUCATIONAL OBJECTIVES

Upon completion of this activity, participants should be able to:

- Evaluate the state of the art in perfusion MRI techniques including DSC, DCE and ASL;
- Describe the physical principles behind perfusion MRI acquisition;
- Describe the mathematical modeling framework of vascular MRI;
- Discuss the state of the art in clinical brain perfusion imaging;
- Discuss the state of the art in clinical body brain perfusion imaging;
- Discuss issues and solutions for increasing the accessibility of perfusion MRI;
- Identify challenges and solutions for harmonization and standardization of pulse sequences;
- Identify and discuss new and alternative methods for perfusion MRI, including high- and low-field applications; and
- Discuss industry adoption of perfusion MRI methods.

ORGANIZING COMMITTEE

Co-Chairs: Luis Hernandez-Garcia, Ph.D. & Qin Qin, Ph.D.

Organizing Committee: Udunna C. Anazodo, Ph.D.; Divya S. Bolar, M.D., Ph.D.; Maria A. Fernandez-Seara, Ph.D.; Jie Lu, M.D., Ph.D.; Thomas W. Okell, D. Phil.; Laura M. Parkes, Ph.D.; Kamil Uludag, Ph.D.; Lirong Yan, Ph.D.

Trainee Observers: Veronica Aramendia-Vidaurreta, Ph.D.; Patricia Clement, Ph.D.; Lena Vaclavu, Ph.D.



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