

Clinical Applications of MRI in Pulmonary Vascular Disease

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Highlights:

- **Dynamic 4D pulmonary perfusion MRA for assessment of microvascular perfusion**
- **Global and regional right ventricular function assessment**
- **Phase contrast measurements for central pulmonary artery flow**
- **MRI derived biomarkers for pulmonary arterial hypertension**

Target audience:

Physicians, students and researchers interested in clinical pulmonary MRI

Objectives:

To learn about different MRI methods to evaluate pulmonary vascular disease.

To set up a clinical MRI protocol to evaluate patients with suspected pulmonary vascular disease.

To learn from clinical MRI cases, where pulmonary MRI is crucial for clinical decision making.

CONCLUSION:

Functional cardio-pulmonary MRI is ready to be used in the daily clinical routine for evaluation of patients with suspected or known pulmonary vascular disease. It is a valuable tool for diagnosis, patient monitoring and prognosis using novel biomarkers relevant for patient outcome.

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