

Special Issue

Imaging of Pulmonary Vascular Disease

Message from the Guest Editors

Pulmonary vascular disease is a broad term used for disorders causing abnormal blood flow between the heart and lungs and may concern pulmonary arteries, capillaries, and veins. Pulmonary vascular diseases include various conditions, such as primary or secondary pulmonary hypertension, acute pulmonary embolism, chronic thromboembolic diseases, pulmonary vasculitis, and hereditary diseases such as Osler syndrome.

In recent years, imaging has made significant progress. On the one hand, CT has the advantage of allowing fast image acquisition, enabling high spatial resolution with isotropic voxels. In addition, new innovations such as photon-counting CT provide new insights.

Multiparametric MRI provides the accurate assessment of flow dynamics and right-heart function. Finally, other modalities such as angiography or nuclear medicine need to be addressed with regard to therapy and specific questions.

This Special Issue will thus offer an up-to-date view of the advances made in the imaging of pulmonary vascular diseases and seeks to collate articles providing a comprehensive presentation of current image-related novelties.

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