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Novel imaging techniques and biomarkers in COPD

Wednesday 29 May 2024 16:45 (30 minutes)

Quantifying structural and functional (ventilation and perfusion) abnormalities is relevant to the clinical understanding and management of patients with chronic obstructive pulmonary disease (COPD). There exist several established computed tomography (CT) and magnetic resonance imaging (MRI)-based methodologies that can quantify structural and ventilation/perfusion information, but they require injected or inhaled contrast agents, ionizing radiation or expensive and specialized equipment. The purpose of this presentation is to review emerging imaging methods that provide structural/functional information at low cost, and therefore may be widely utilized for assessment of lung diseases.

Keyword-1

MRI

Keyword-2

Lung imaging

Keyword-3

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