DESCRIPTION: This image shows lung functional MRI in patients, pioneered at Western, with each colour representing a different chronic lung disease. This research provides clinicians with a way to see the exact location of lung disease abnormalities and provides a very sensitive tool to measure response to treatment, disease changes over time and the causes of lung attack and day-to-day symptoms.

RESEARCHERS: Grace Parraga, Schulich School of Medicine & Dentistry; David G. McCormack, Schulich School of Medicine & Dentistry; Khadija Sheikh, Schulich School of Medicine & Dentistry

TECHNOLOGY: Pulmonary Functional Imaging, 3T GE Discovery 750 MRI and Hellspin, Polarean