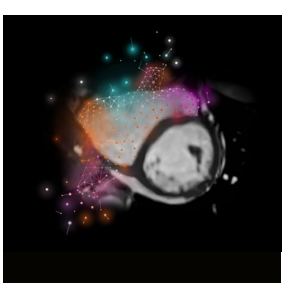
MAGNETOM Sola Cardiovascular Edition

Outcome relevant decisions – redefining patient pathways

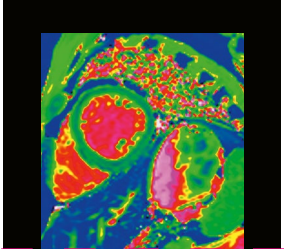
SIEMENS Healthineers

Your dedicated Cardiovascular MRI scanner



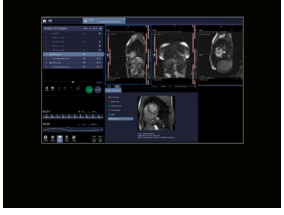
Free breathing exams

Get high-quality consistent cardiac MRI scans with Compressed Sensing Cardiac Cine for functional imaging even for patients with arrhythmias or **those who cannot hold their breath.**



Tissue characterization

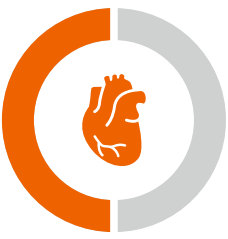
MyoMaps with HeartFreeze to **image** myocardial injury and get patients on the right treatment pathway fast.



Consistent results, fast

BioMatrix Sensors and the AI-powered Cardiac Dot Engine provide fast patient setup and step-by-step guidance for standardized diagnostic cardiac MRI exams.

CMR included in **50%** of AHA/ACC guidelines[1]



You deserve your own magnet!

[1] *Representation of cardiovascular magnetic resonance in the AHA / ACC guidelines. Von Knobelsdorff-Brenkenhoff F, Pilz G, Schulz-Menger J. Journal of Cardiovascular Magnetic Resonance 2017; 19:70.*

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Non-invasive differential diagnosis of left ventricle hypertrophy (LVH) using Cardiovascular MR Imaging and applications

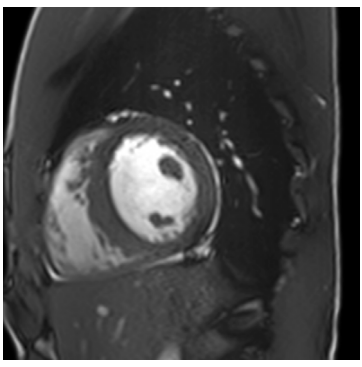
MAGNETOM Sola Cardiovascular Edition with MyoMaps provides pixel-based quantification of myocardial tissue. In the examples below T1 Mapping supports physicians as they distinguish between various causes of LVH.

See how MyoMaps can support you as you diagnose the five cases below.

Hint: You are looking for examples of amyloidosis, aortic stenosis, athlete's heart, HCM and hypertension.

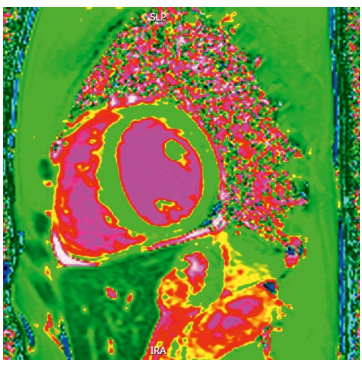
Clinical cases courtesy of C. Tillmanns, MD and R. Waßmuth, MD, Diagnostikum, Berlin, Germany

Case 1



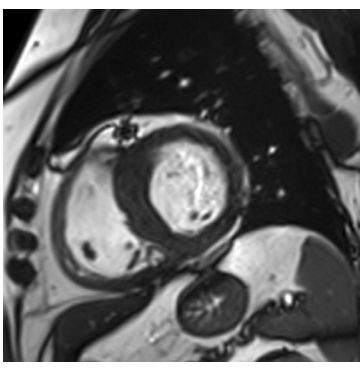
EDT: 15 mm

Athlete's Heart



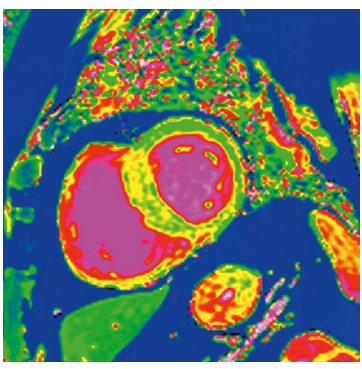
T1: 1130 ms

Case 2



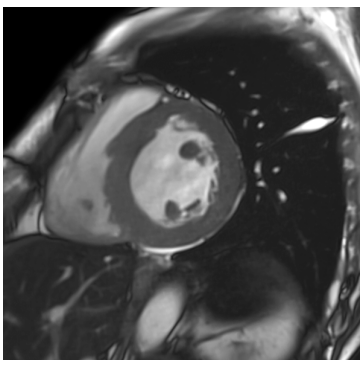
EDT: 17 mm

Aortic Valve Stenosis



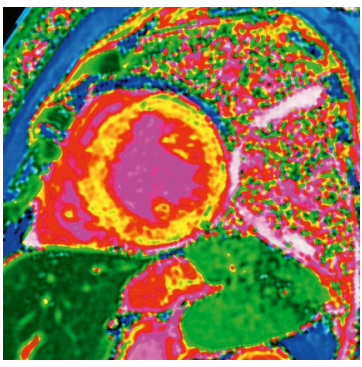
T1: 1301 ms

Case 3



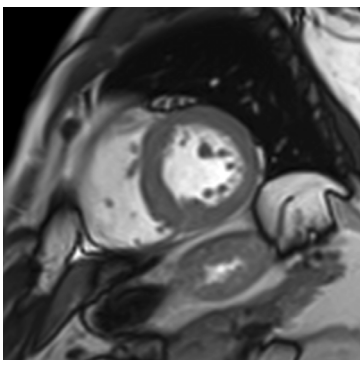
EDT: 15 mm

Hypertension



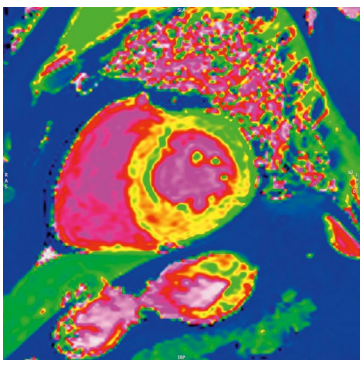
T1: 1325 ms

Case 4



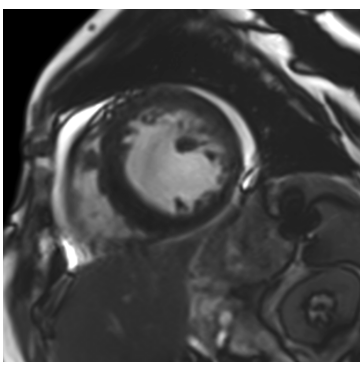
EDT: 16 mm

HCM



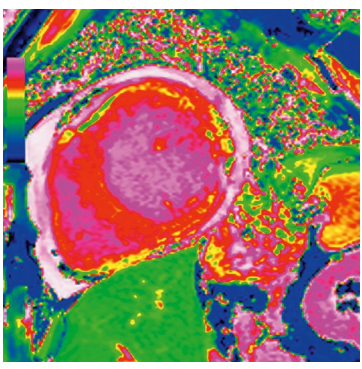
T1: 1360 ms

Case 5



EDT: 17 mm

Amyloidosis



T1: 1553 ms

EDT = end diastolic wall thickness

What is your differential diagnosis?

T1 Mapping with MyoMaps enables tissue characterization without an invasive procedure.

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