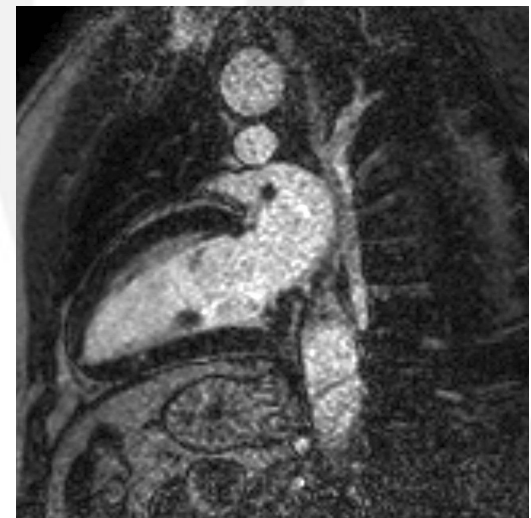
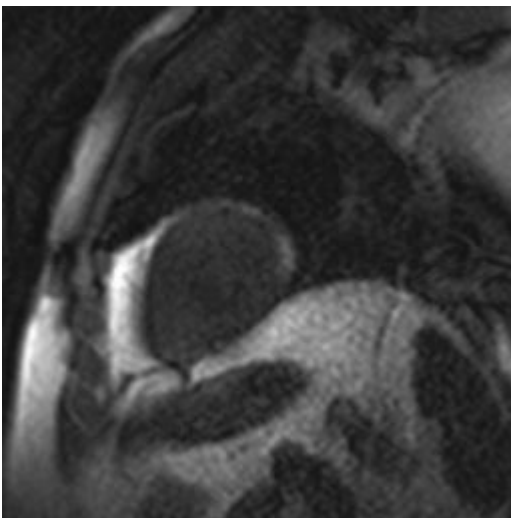
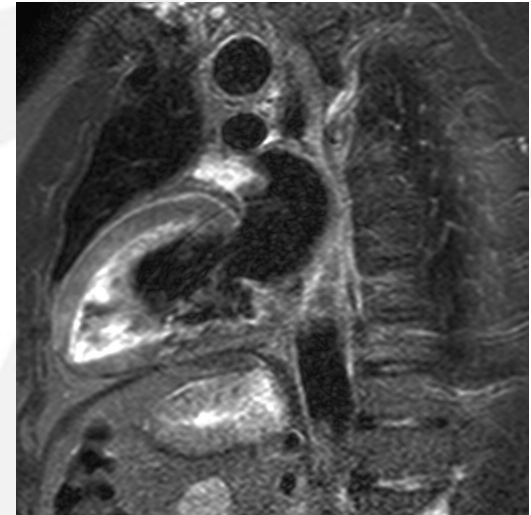
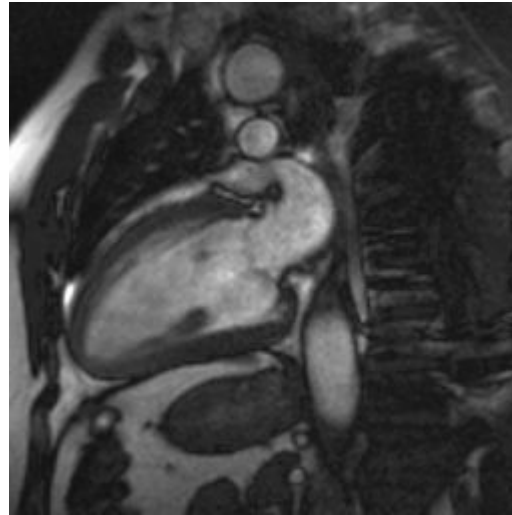
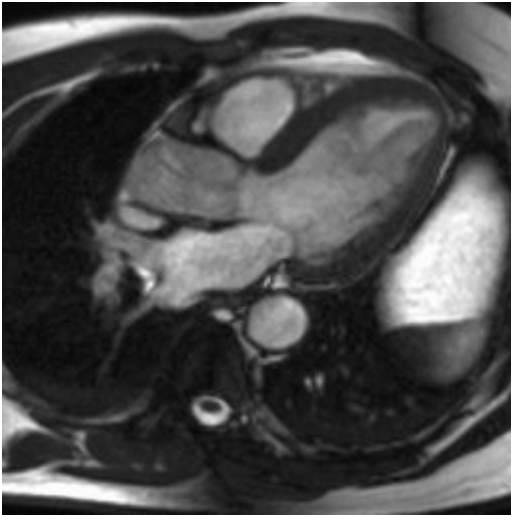




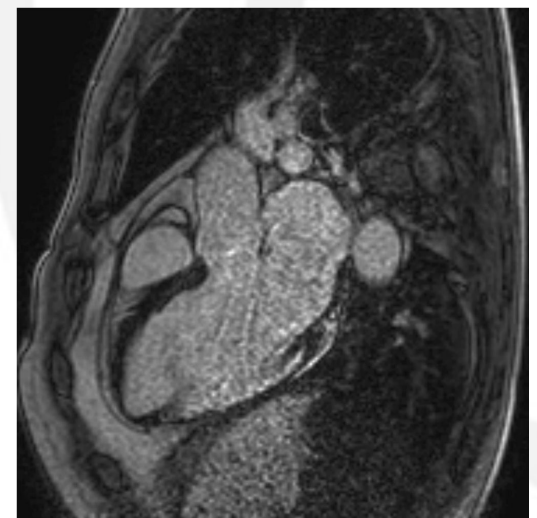
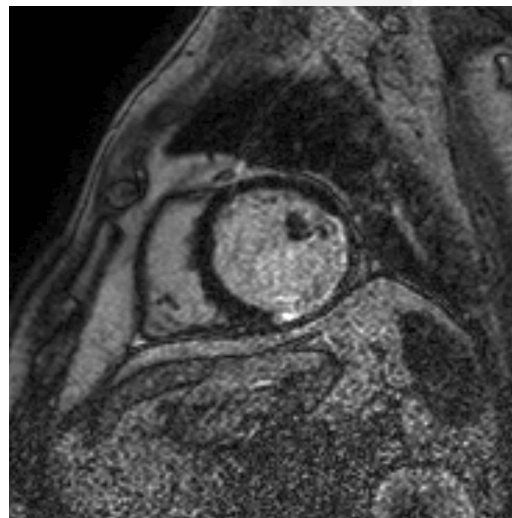
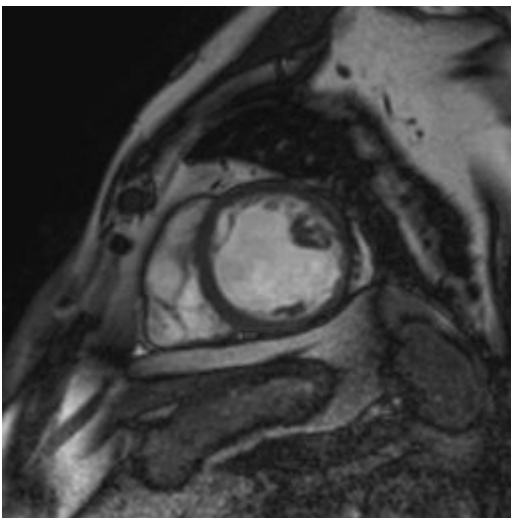
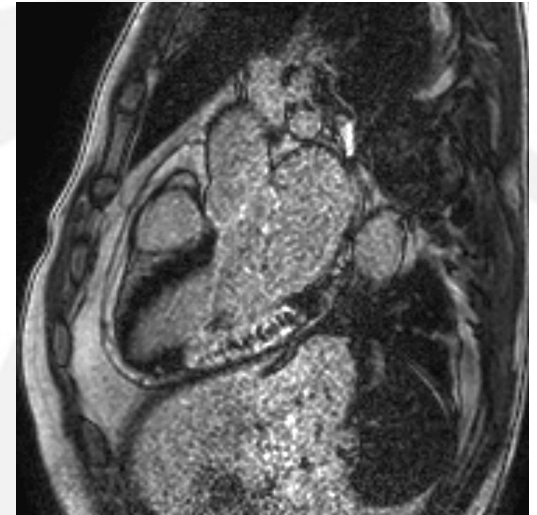
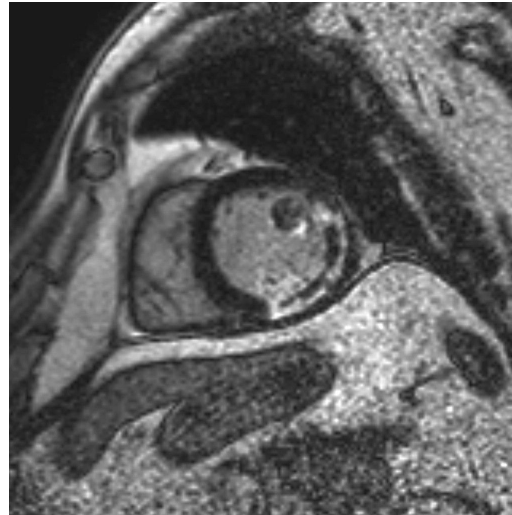
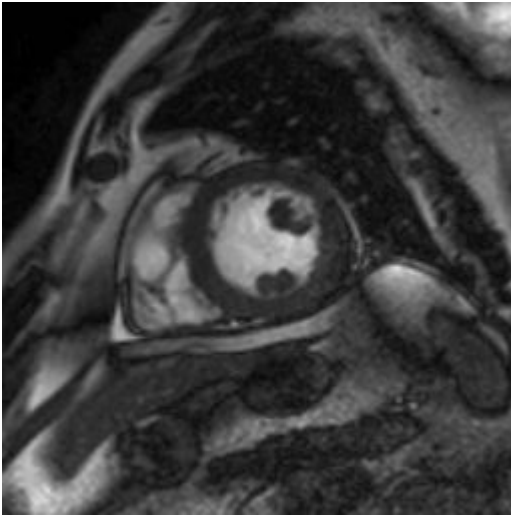
Egészségtudományi Kar Fizioterápiás Tanszék
Mesterképzés: Kardiovaszkuláris Modul
Korszerű kardiovaszkuláris diagnosztika II.

2014 október 30., ETK, Vas utcai épület

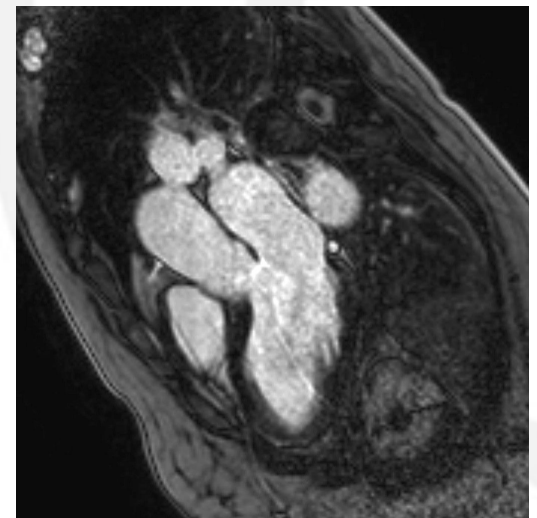
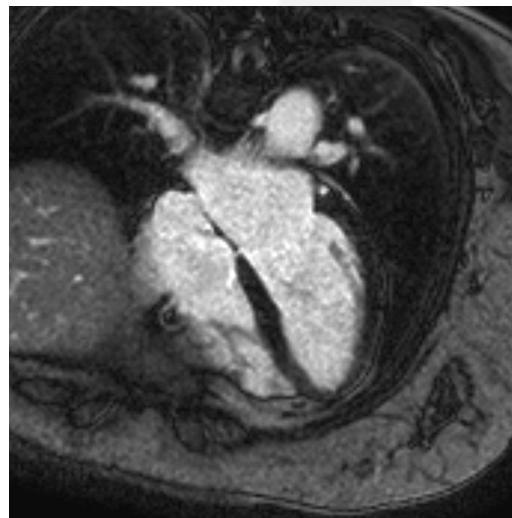
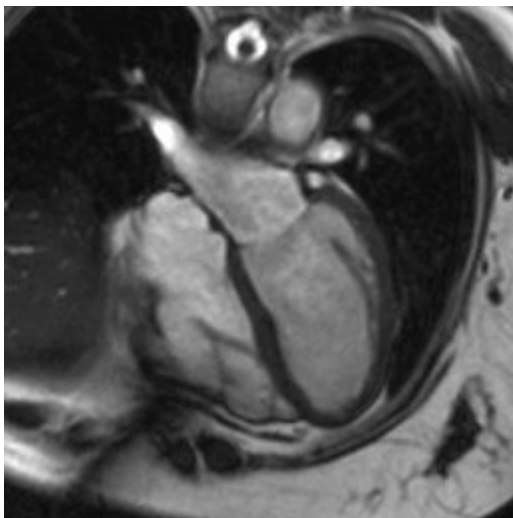
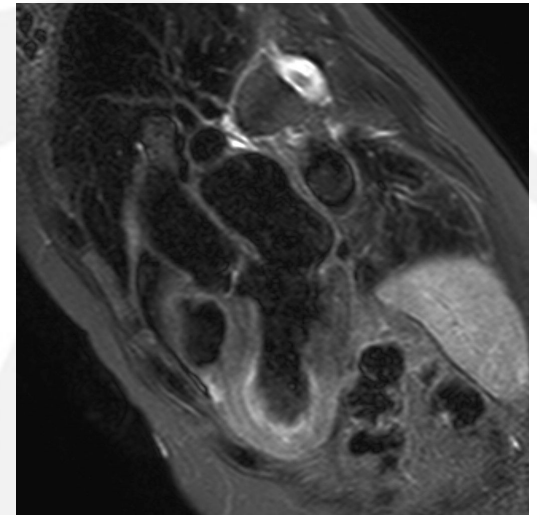
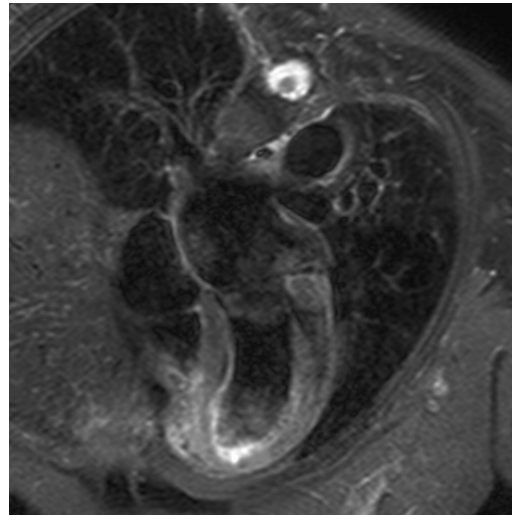
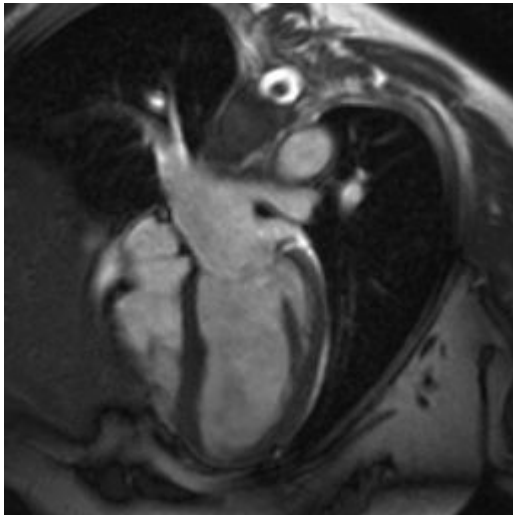
A katéterezés megelőzte az infarktust



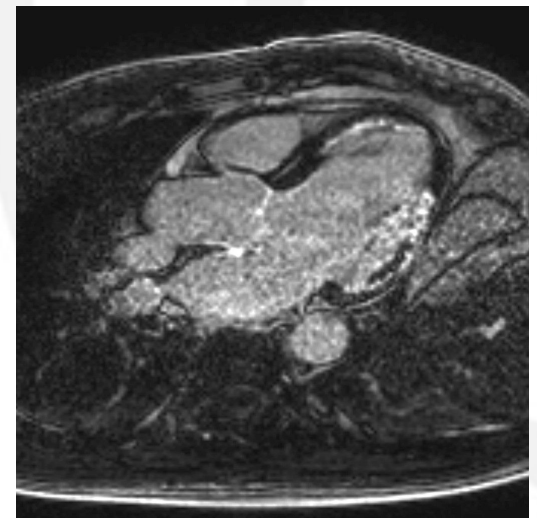
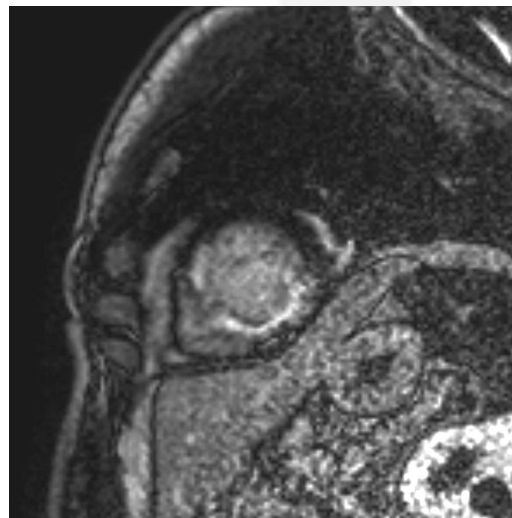
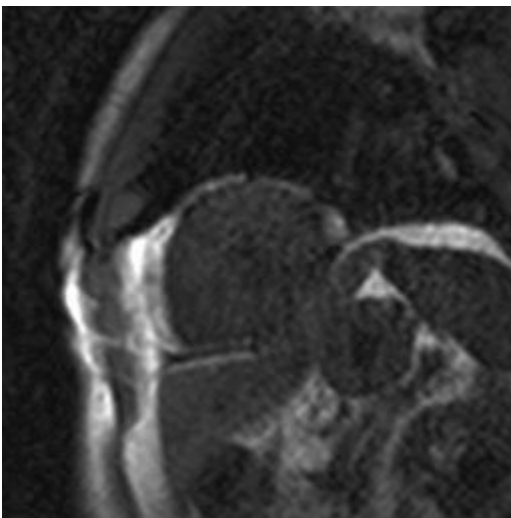
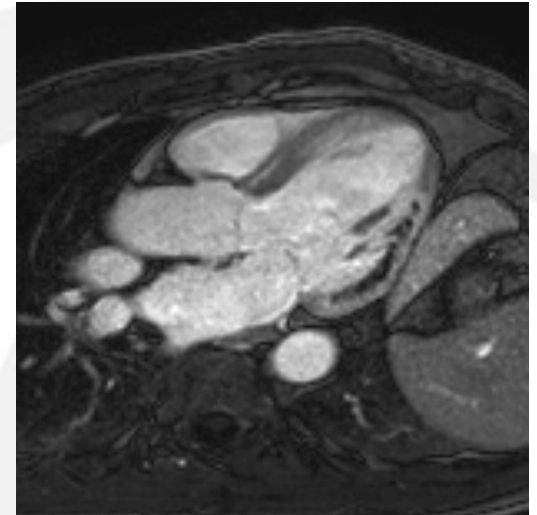
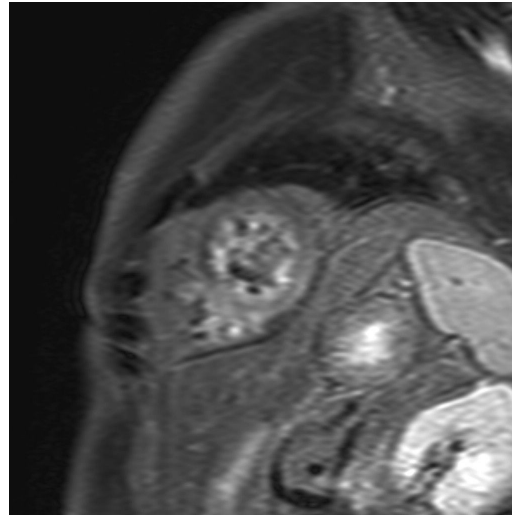
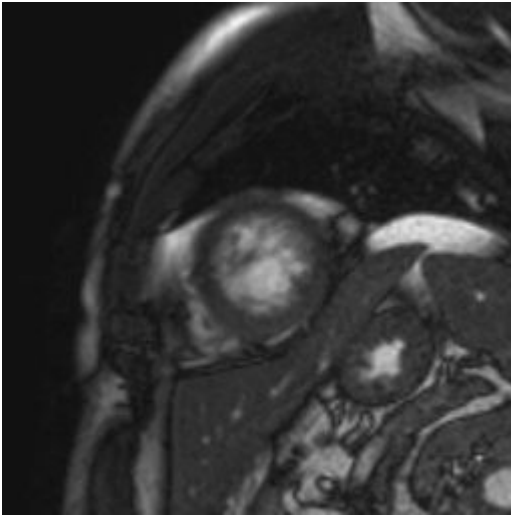
Gyógyuló infarktus: MVO eltűnik



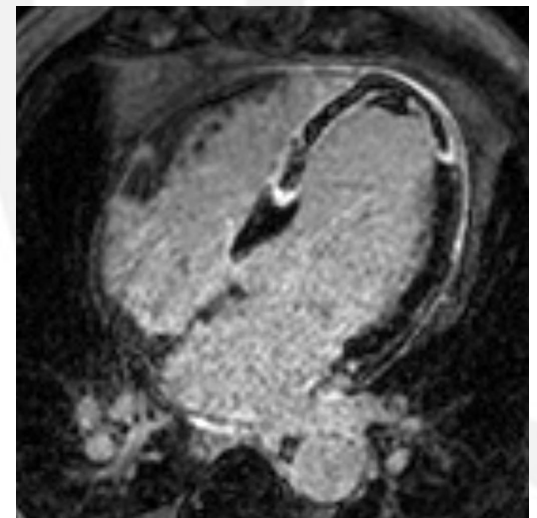
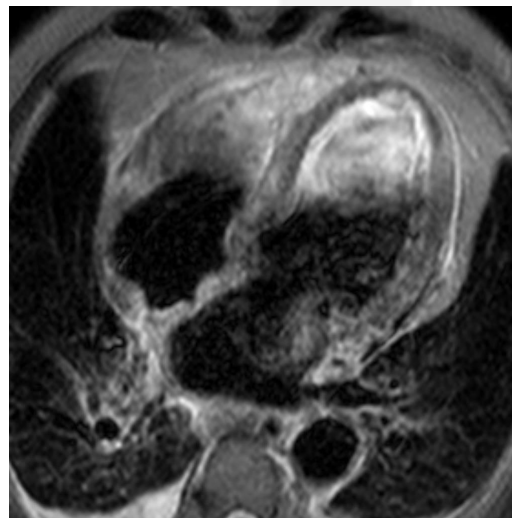
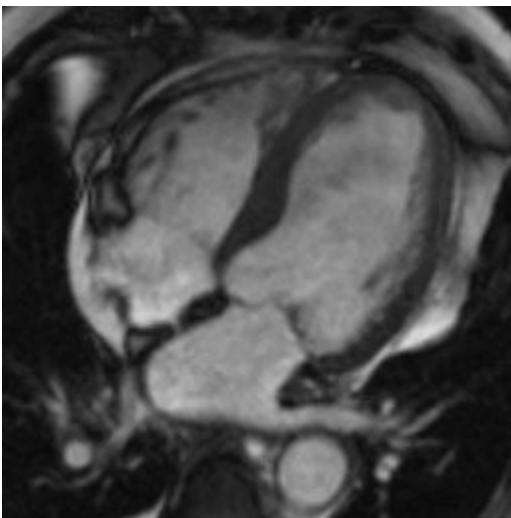
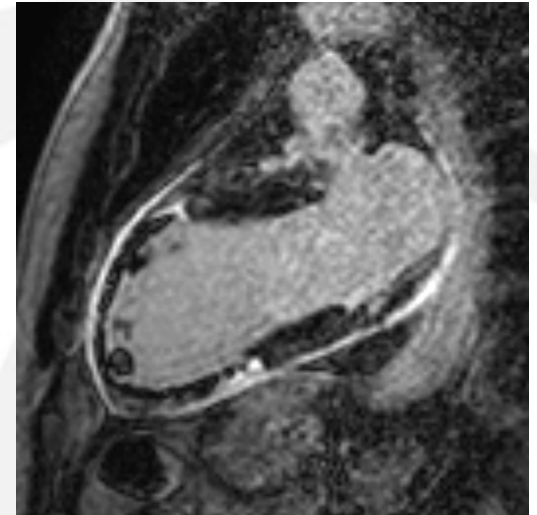
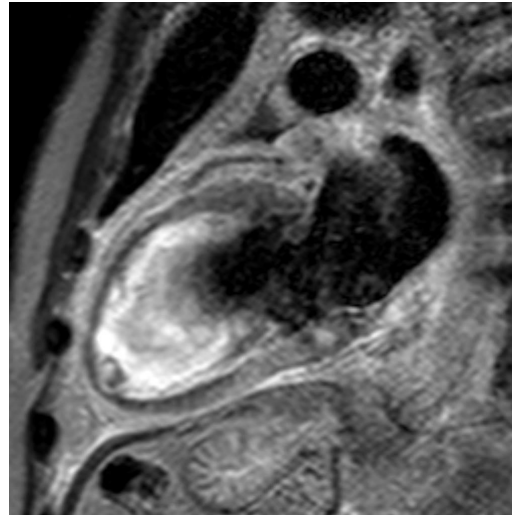
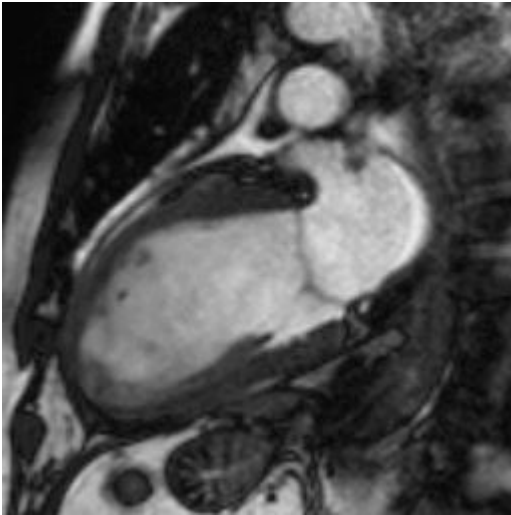
Tako-tsubo cardiomyopathy



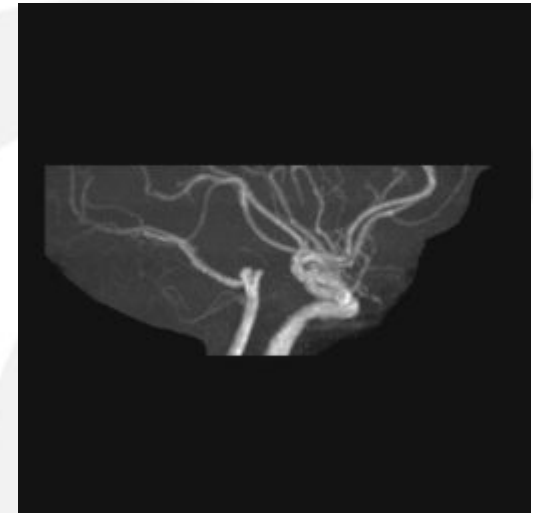
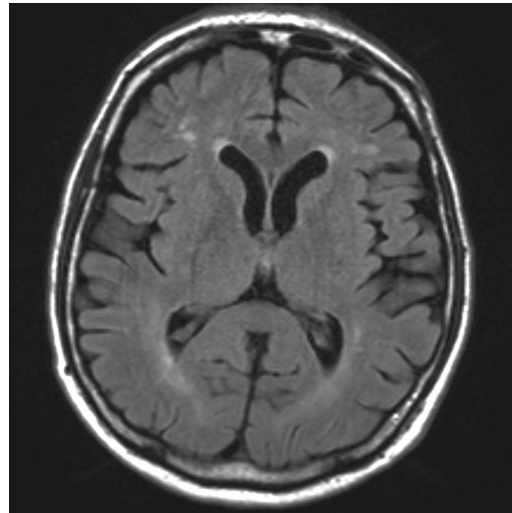
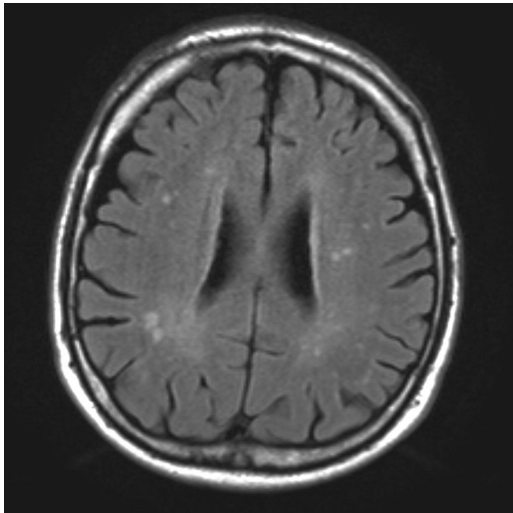
Akut (32%) és krónikus (5%) egyszerre



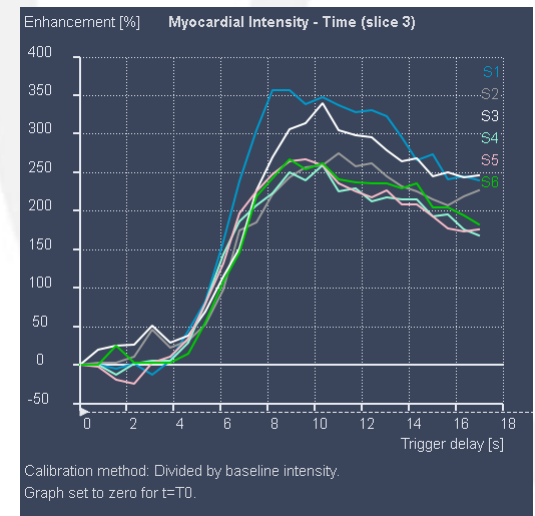
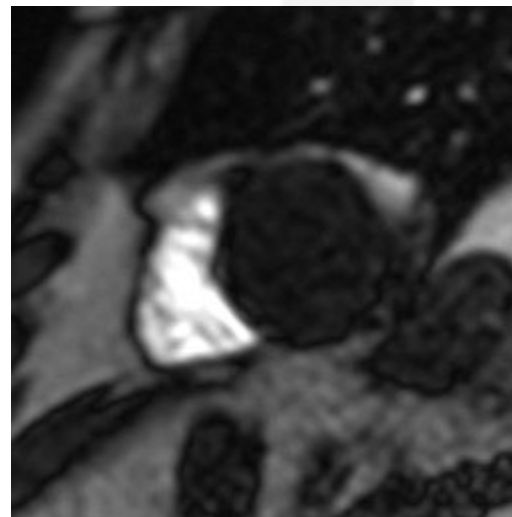
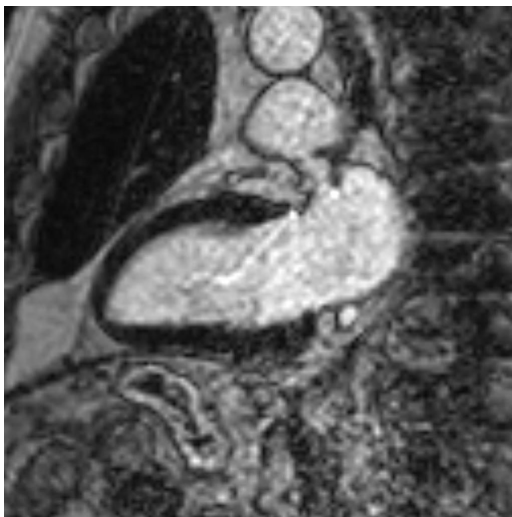
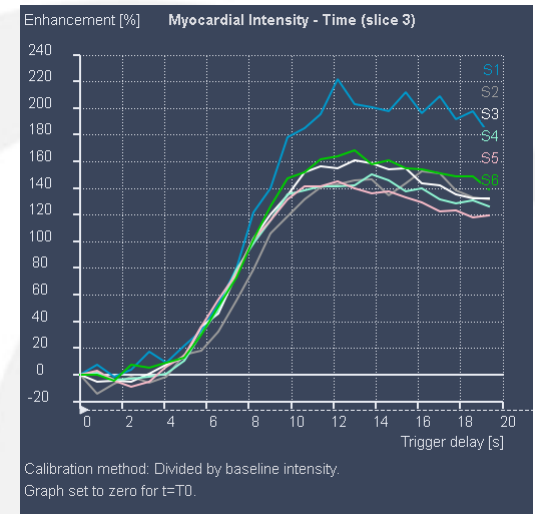
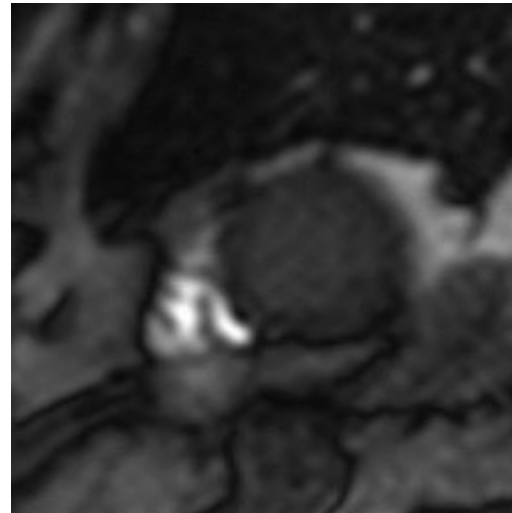
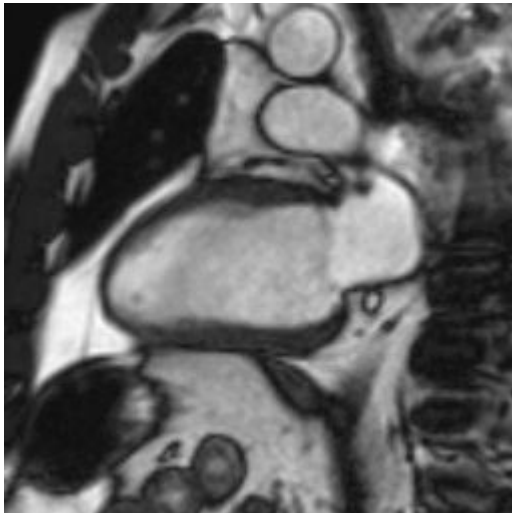
Csúcsi thrombus



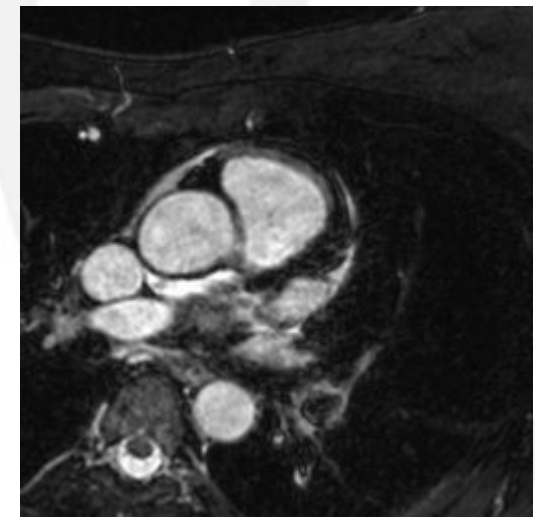
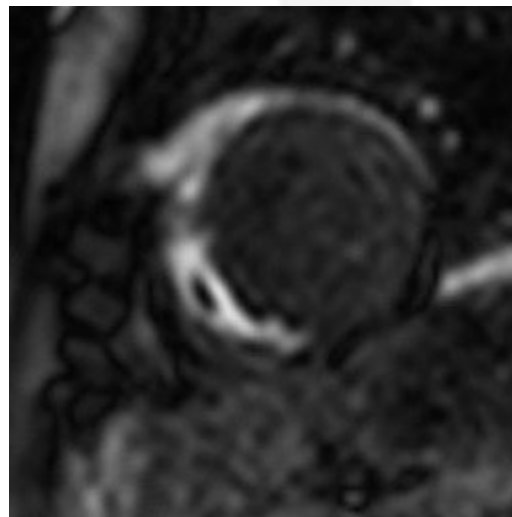
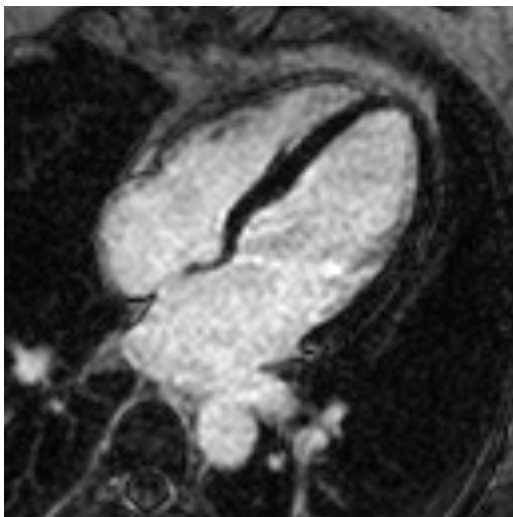
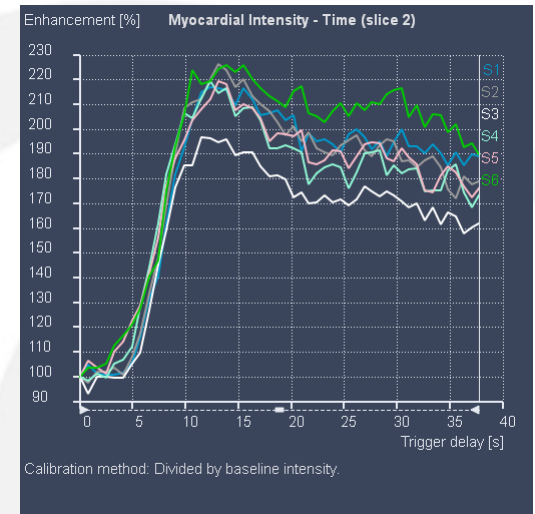
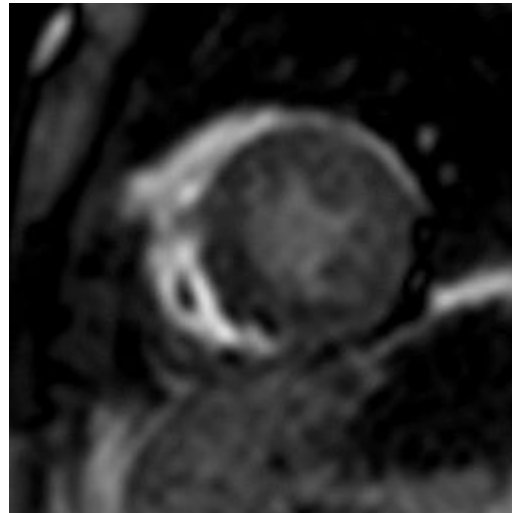
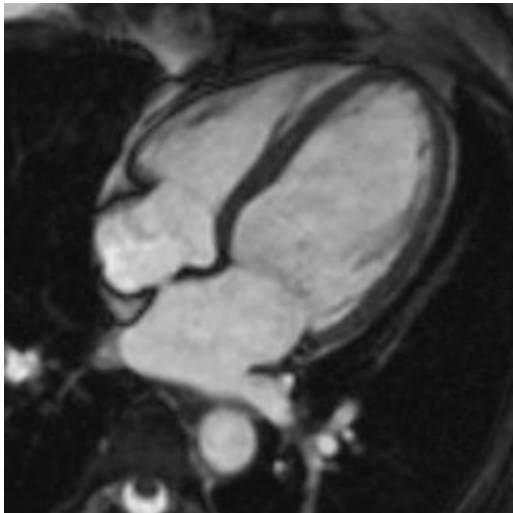
Derékfájdalom, fejfájás



ISCHEMIA: SPECT+, MR: norm. MPRI



Ischaemia coronaria spasmus miatt



Bal kamrai kiértékelés

The screenshot displays the QMass MR 7.2 software interface, which is used for cardiac MRI analysis. The main window is divided into several sections:

- Study Matrix:** A grid showing 25 phases (ES, ED) across 15 slices. The current slice is 15, and the current phase is ES.
- Active View:** A large central window showing a cross-sectional MRI image of the heart. A red and green contour is overlaid on the left ventricle.
- Scan Lines:** A vertical strip on the right showing the scan lines used for the current slice.
- 3D Viewer (S801):** A 3D model of the heart, showing the left ventricle in red and the right ventricle in green. The model is oriented with Basal at the top, Apical at the bottom, Post at the left, and Ant at the right.
- Movie Type:** A dropdown menu set to "Phases".
- Buttons:** "Movie", "Reload", "Print Preview", "Print", "Settings", and "Close".

The bottom of the screen shows the Windows taskbar with the Start button and several open applications, including "1. DJ Naggy - Run, Zom...", "RDO Atoth - Belépés - M...", "QMass MR 7.2", and "mic [atoh@stoth].../vsave". The system clock shows 18:59.

Jobb kamrai kiértékelés

The screenshot displays the QMass MR 7.2 software interface for cardiac MRI analysis. The main window shows a cross-sectional MRI of the heart with a yellow contour around the right ventricle. A 3D Viewer window (S801) is open, showing a yellow 3D model of the right ventricle with axes labeled Basal, Apical, Sept, and Lat. The interface includes a Study Matrix, Active View, Scan Lines, and a grid of image thumbnails.

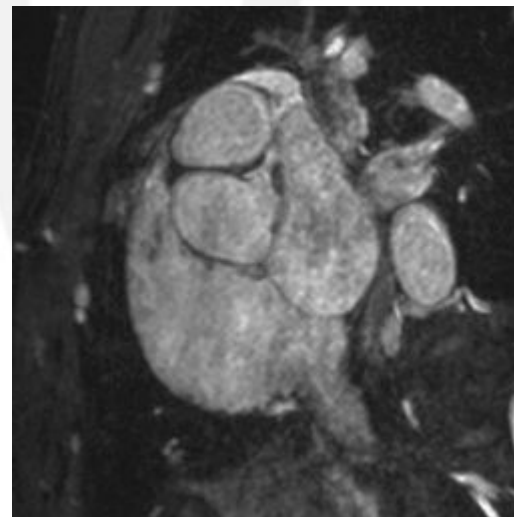
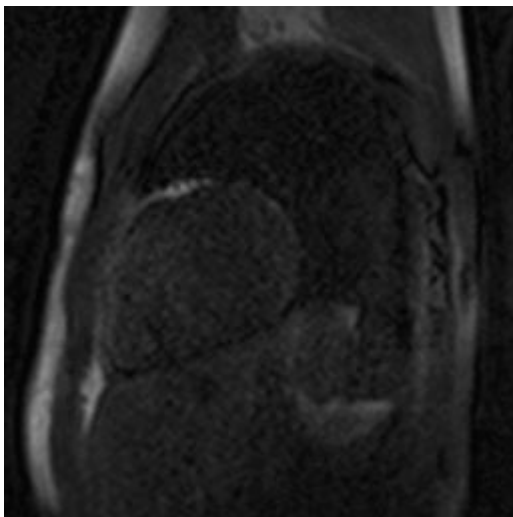
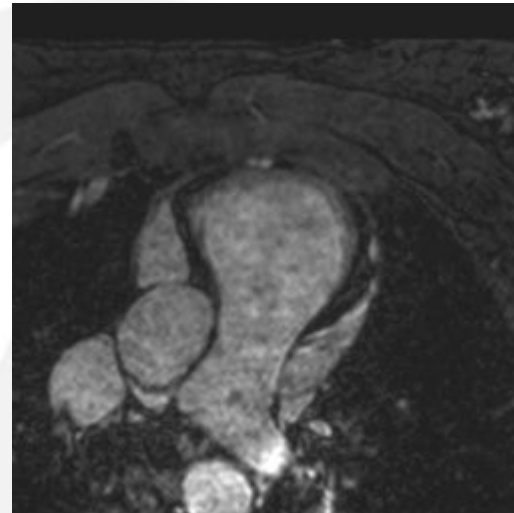
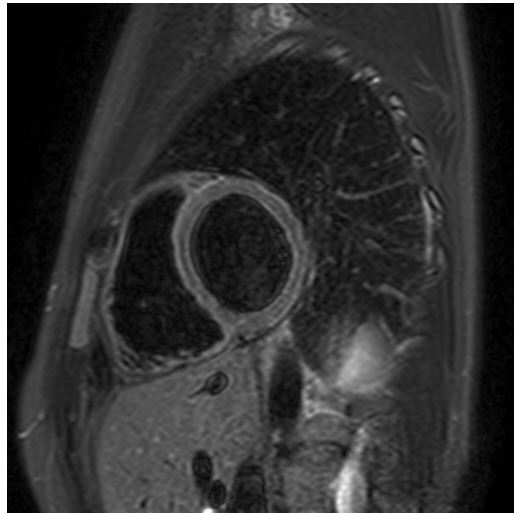
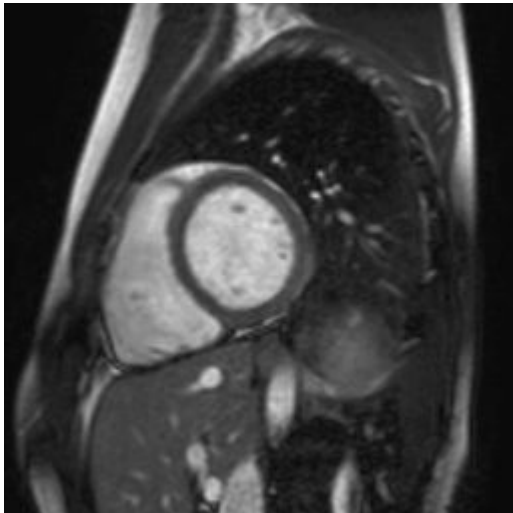
Study Matrix	Phases (25)
ALL	1 2 3 4 5 6 7 8 9 ES 11 12 13 14 15 16 17 18 19 20 21 22 23 ED 25
15	
14	
13	
12	
11	
10	
9	
8	
7	
6	
5	
4	
3	
2	
1	

3D Viewer (S801) settings:

- Named Settings: Default
- Movie Type: Phases
- Buttons: Movie, Reload, Print Preview, Print, Settings, Close

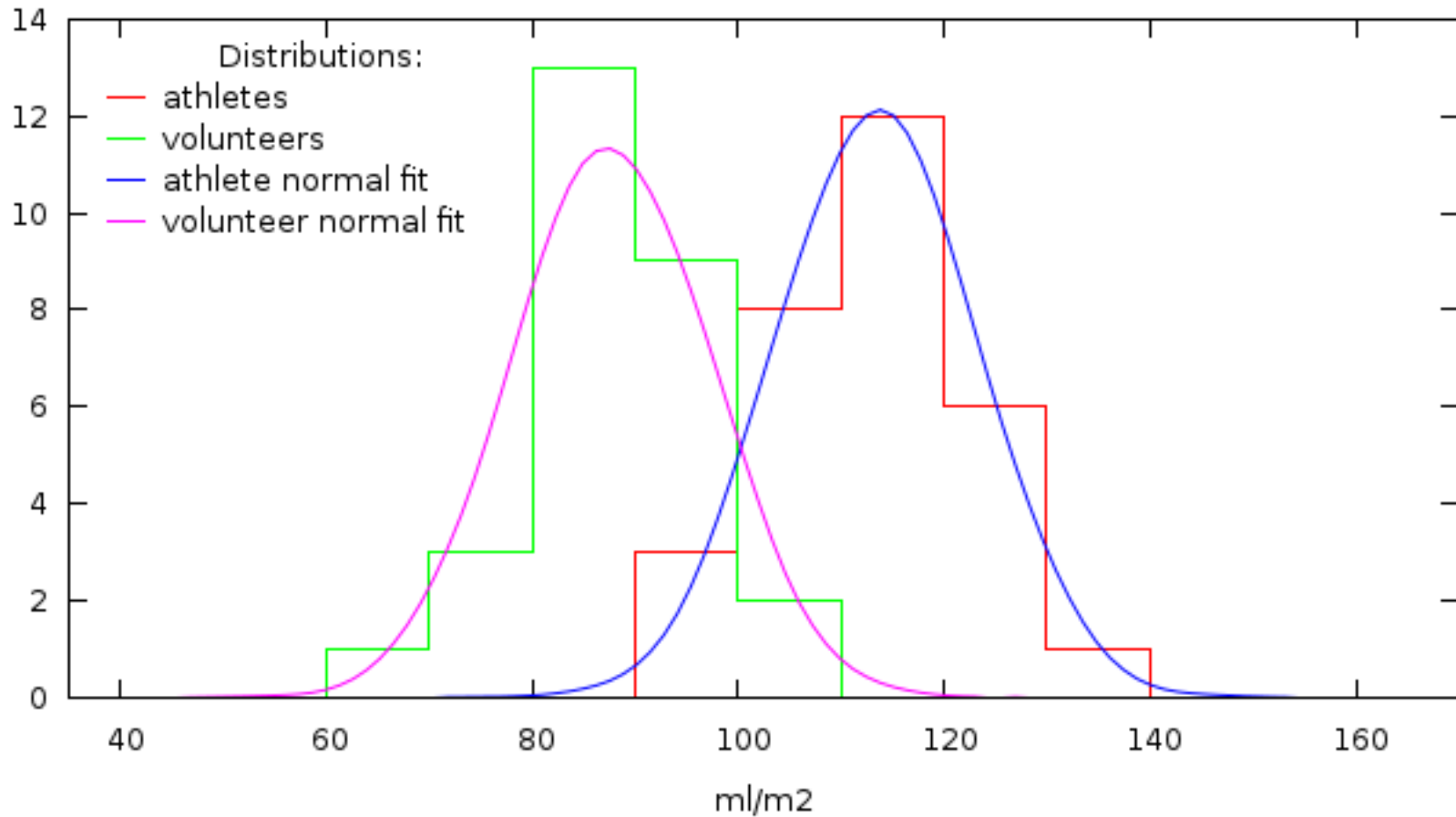
System tray: L 17,2, A 83,3, S, 20,8, Gray value=1. Start, 1. D3 Naggy - Run, Zom..., RDO Atoth - Belépés - M..., QMass MR 7.2, mic [atoth@stoth].../vsave, 18:57

Válogatott vízilabdás nő

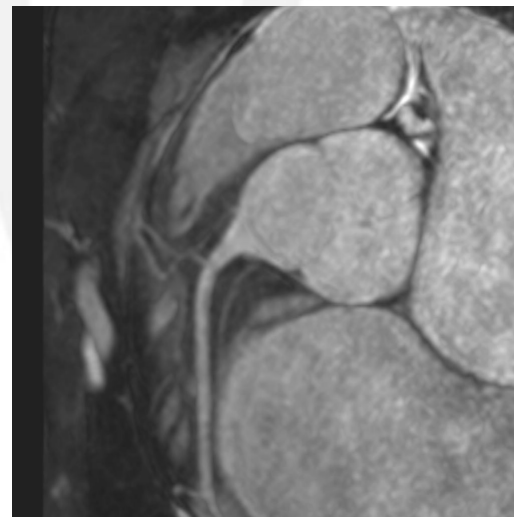
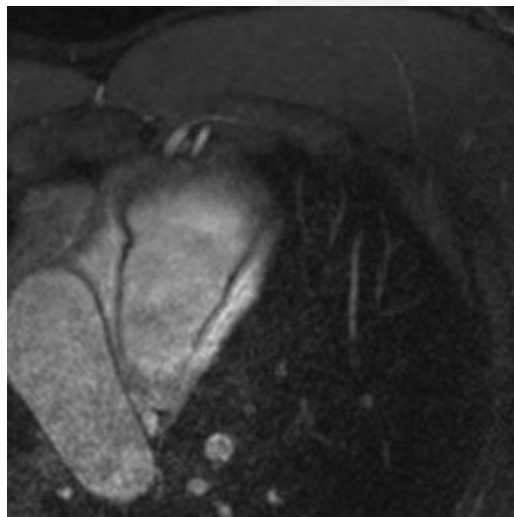
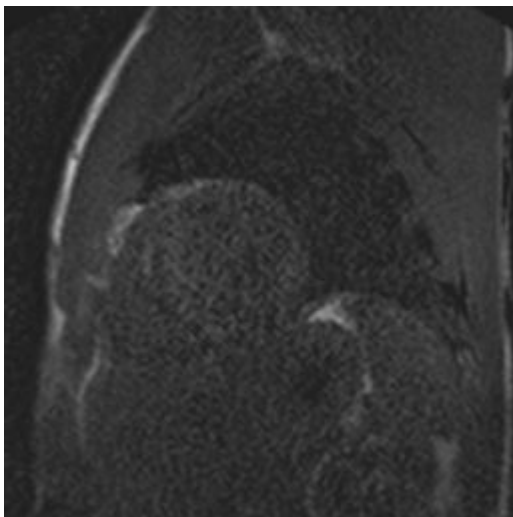
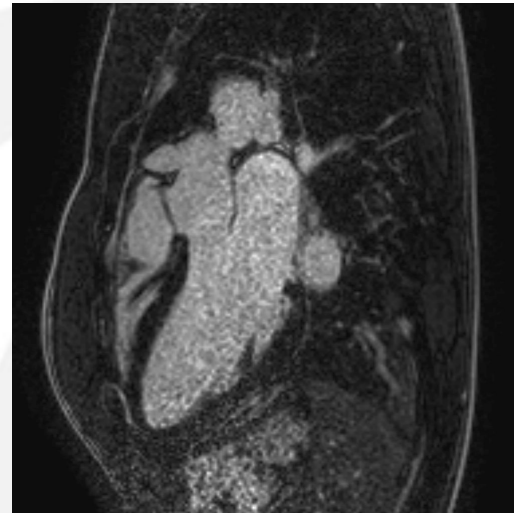
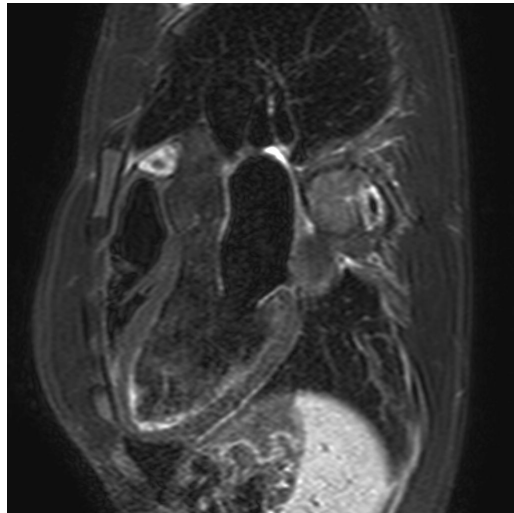


Bal kamrai végdiastolés térfogat index

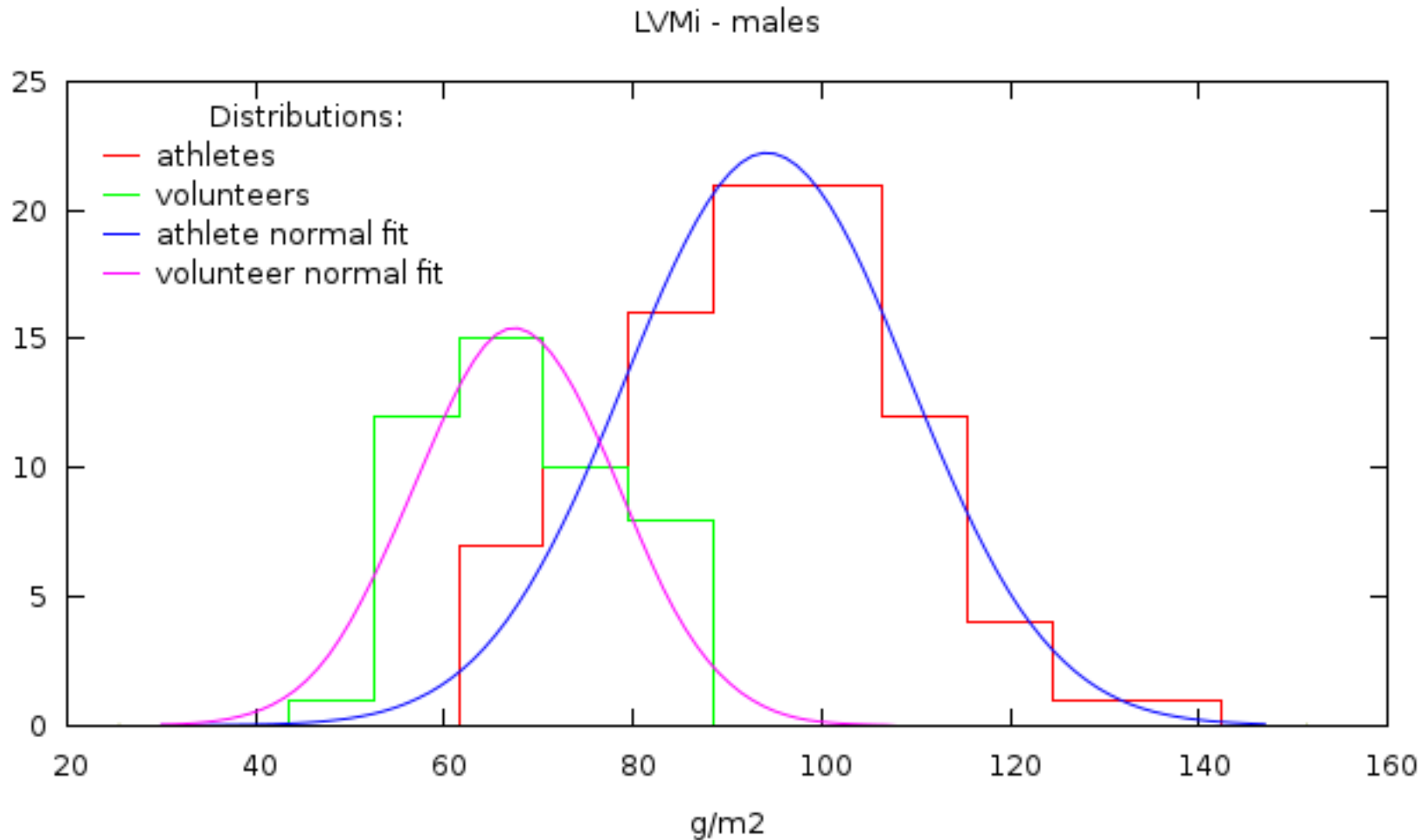
LVEDVi - females



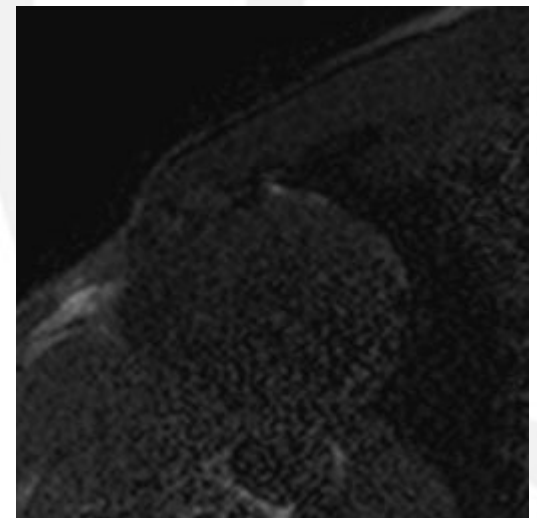
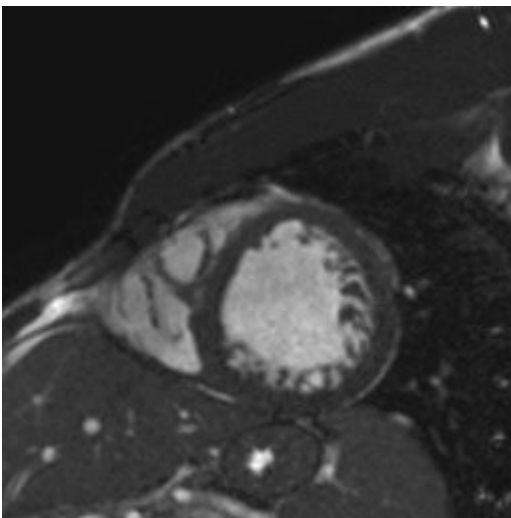
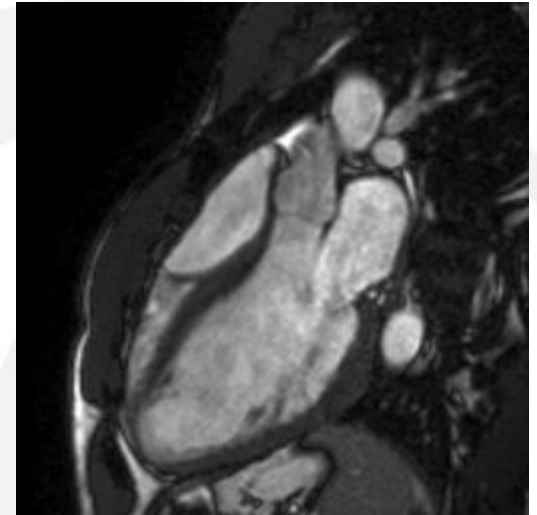
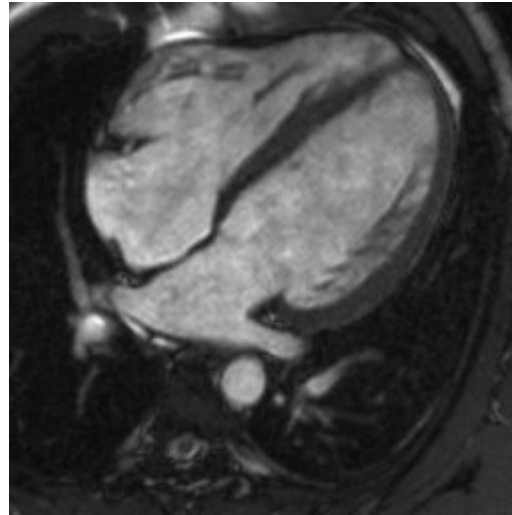
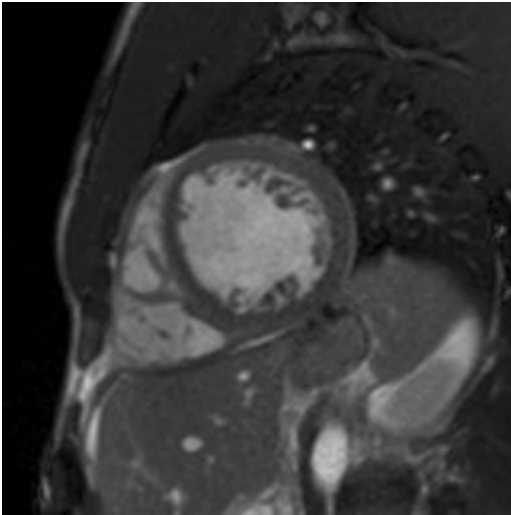
Válogatott férfi kajakos



Bal kamrai izomzat tömeg index



Dilatatív cardiomyopathia: jégkorongos

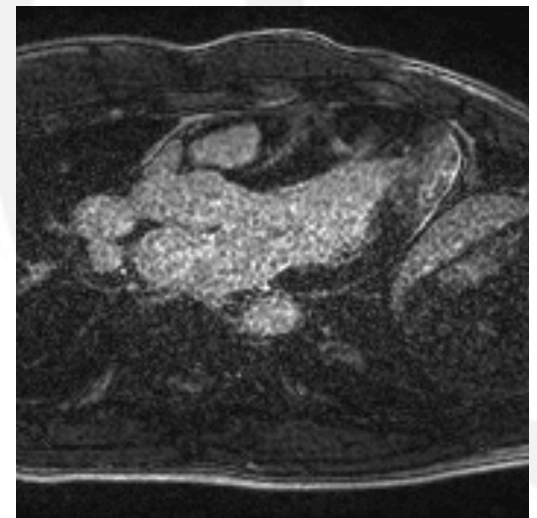
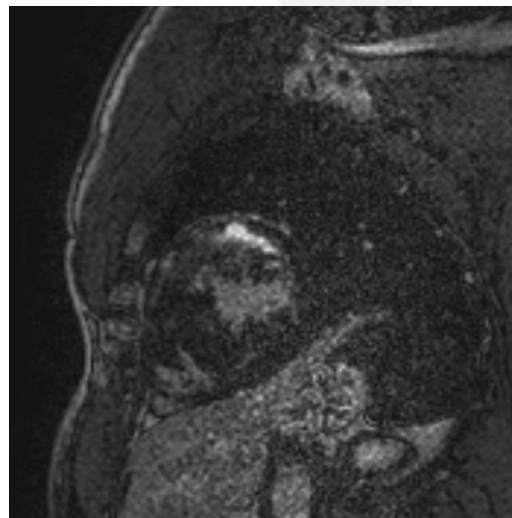
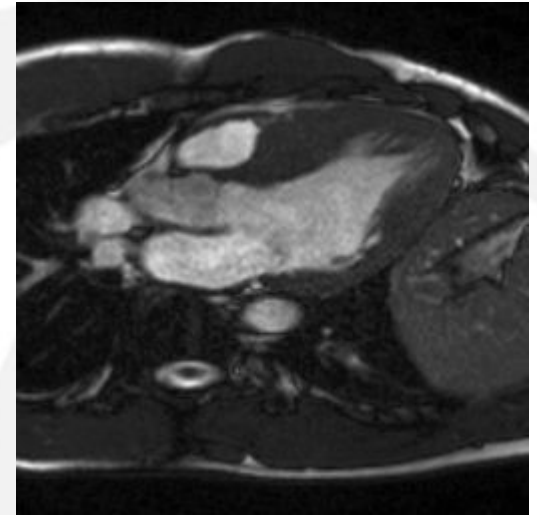
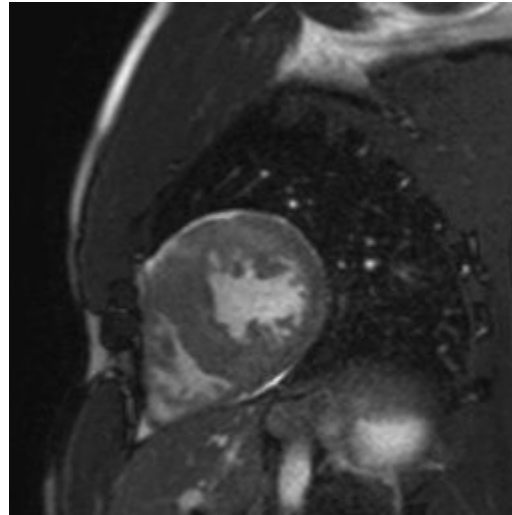
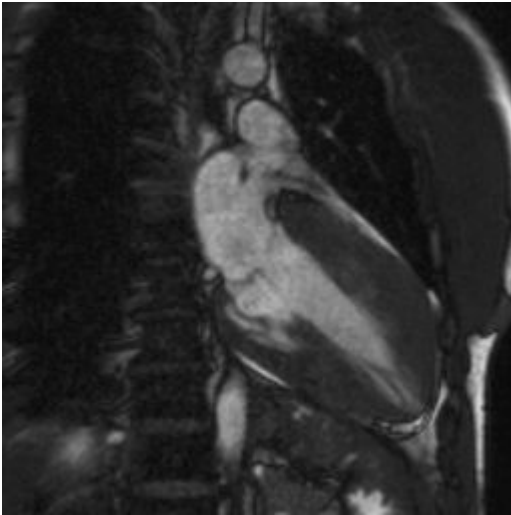


Dilatatív cardiomyopathia

Paraméter	Kontroll	Élsportoló	DCM	HCM
HR	66,74 (11,24)	59,52 (10,10)	46	53
BSA	2,056 (0,191)	2,046 (0,184)	2,08	2,04
LVEF	59,53 (5,57)	57,51 (4,26)	40,4	63,78
LVESVi	38,72 (8,69)	53,50 (9,63)	112,45	39,99
LVEDVi	95,09 (12,77)	125,25 (13,87)	188,57	110,41
LVSVi	56,37 (7,53)	71,76 (7,21)	76,13	70,42
LVMi	62,93 (11,21)	88,09 (17,66)	125,98	160,90
RVESVi	41,30 (8,10)	59,19 (11,45)	68,52	36,86
RVEDVi	98,37 (13,61)	132,66 (15,40)	144,45	102,08
RVSVi	57,08 (8,33)	73,46 (7,28)	75,94	65,22
RVMi	25,11 (3,97)	34,16 (5,17)	34,30	36,17
ED WT	11,09 (1,46)	12,78 (1,93)	–	29
Sport index	0,119 (0,026)	0,103 (0,021)	–	0,26



Hypertrophias cardiomyopathia



Hypertrophias cardiomyopathia

Paraméter	Normál	Élsportoló	DCM	HCM
HR	66,74 (11,24)	59,52 (10,10)	46	53
BSA	2,056 (0,191)	2,046 (0,184)	2,08	2,04
LVEF	59,53 (5,57)	57,51 (4,26)	40,4	63,78
LVESVi	38,72 (8,69)	53,50 (9,63)	112,45	39,99
LVEDVi	95,09 (12,77)	125,25 (13,87)	188,57	110,41
LVSVi	56,37 (7,53)	71,76 (7,21)	76,13	70,42
LVMi	62,93 (11,21)	88,09 (17,66)	125,98	160,90
RVESVi	41,30 (8,10)	59,19 (11,45)	68,52	36,86
RVEDVi	98,37 (13,61)	132,66 (15,40)	144,45	102,08
RVSVi	57,08 (8,33)	73,46 (7,28)	75,94	65,22
RVMi	25,11 (3,97)	34,16 (5,17)	34,30	36,17
ED WT	11,09 (1,46)	12,78 (1,93)	–	29
Sport index	0,119 (0,026)	0,103 (0,021)	–	0,26



DE kiértékelés: 63g heg 360g izomból

QMass MR 7.2

File Edit View Analysis Settings Tools Help

Study Matrix DSI Analysis Wizard

Step 4: Specifying Transmurality Threshold and Placing Reference Point

1. If you want to change the default transmurality threshold, you can specify it under **Transmurality Threshold**. The transmurality threshold is used to calculate non-viable tissue.
2. Click in the Active View to place the reference point at the posterior septum.

If you want to place the reference point at the anterior septum, refer to the user manual.

Transmurality Threshold [%]
50

Result Dialogs: Reference Point

The DSI results

Total myocardial mass:	360.33 g
Scar tissue mass:	63.20 g
Scar tissue volume:	60.19 ml
Scar tissue percentage:	18 %
Nonviable mass:	5.33 g
Nonviable volume:	5.08 ml
Nonviable percentage:	1 %
Transmurality threshold:	50 %

SE Kardiológiai Központ Philips Medical Systems 2010.03.20.

TR: 5.49ms
TE: 2.52ms
TI: 0.00ms
TD: 773ms
SL: 12
PH: 1
SP: 88.00mm
SI th: 8mm

Total mass: 360.33g
Scar tissue: 63.20g / 18%

WW: 138
WL: 2 090
Zoom: 175%

< Back Done Cancel

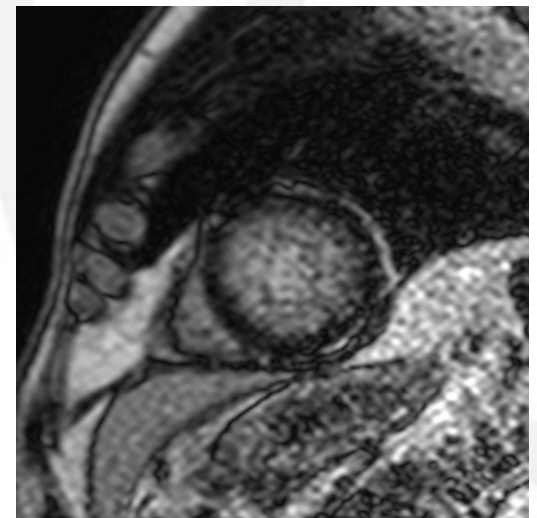
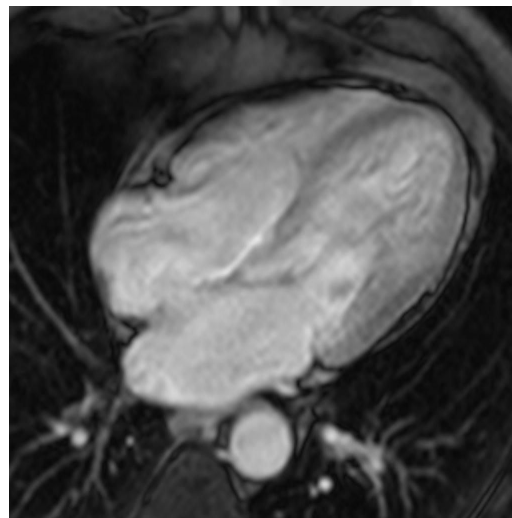
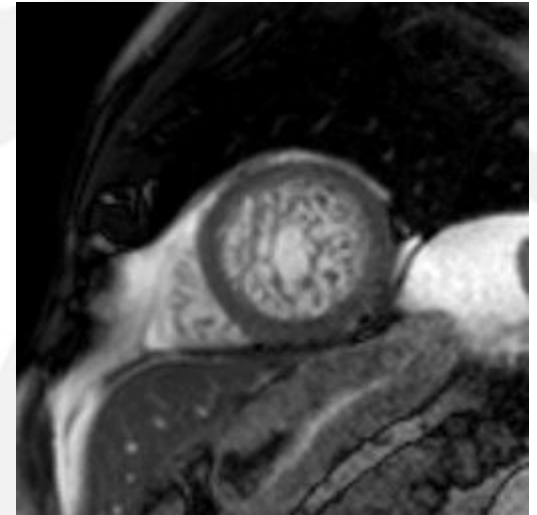
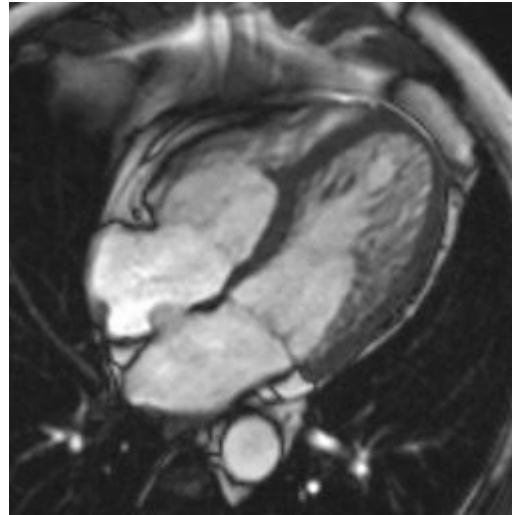
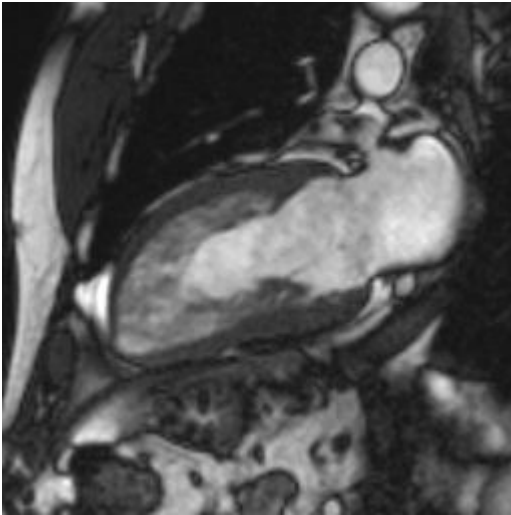
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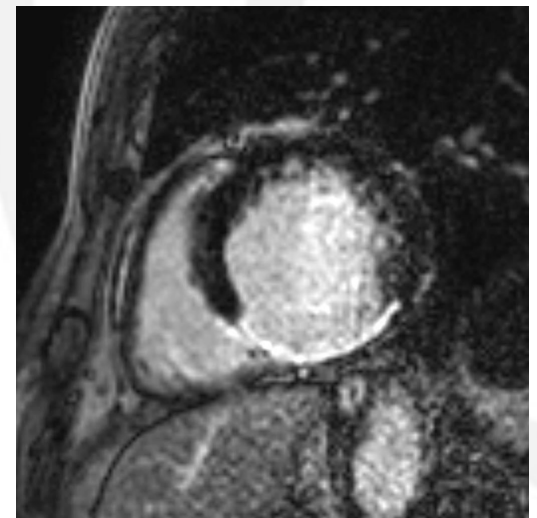
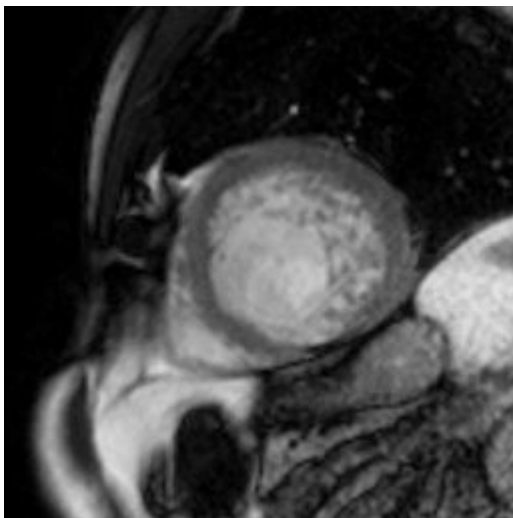
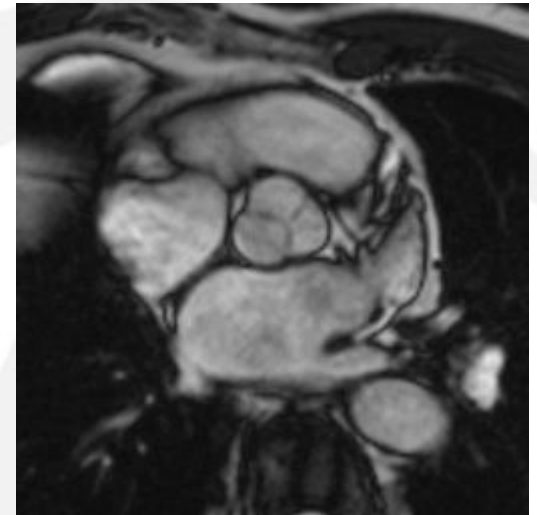
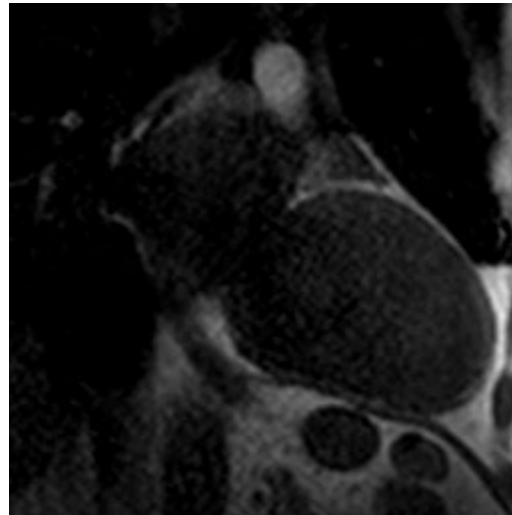
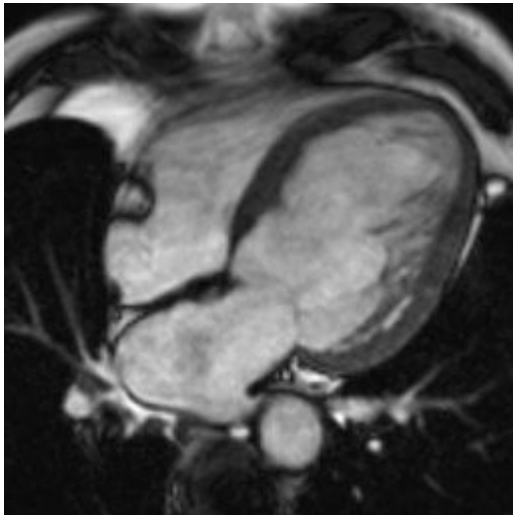
L: 0,2, A: 91,4, I: 13,4, Gray value=2048

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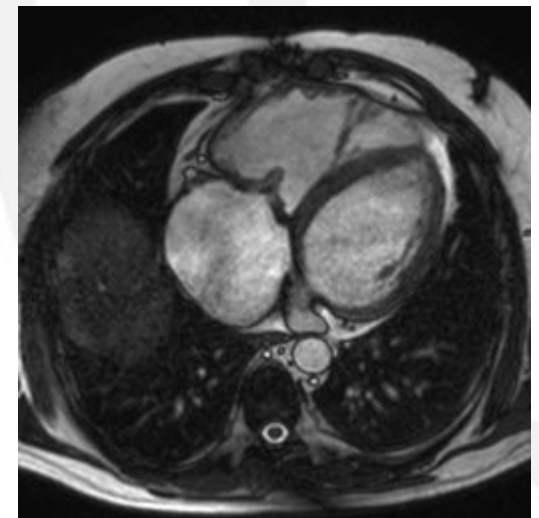
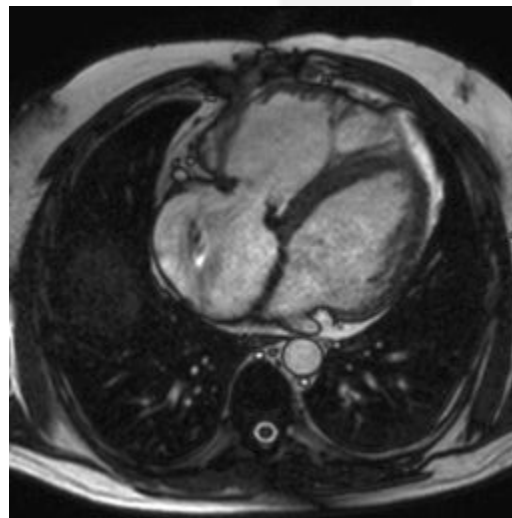
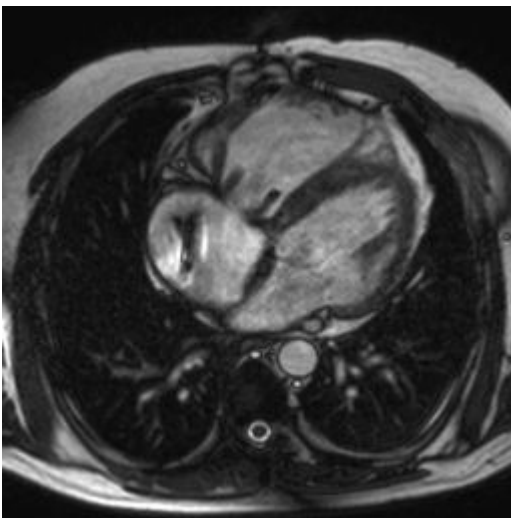
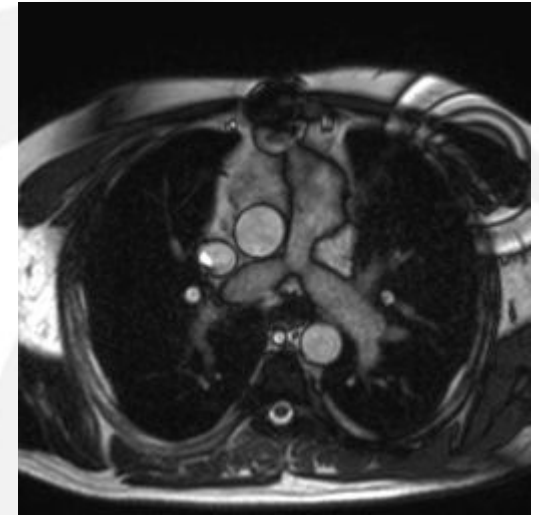
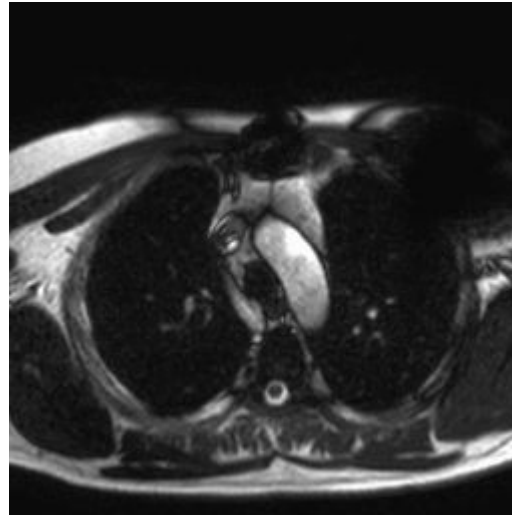
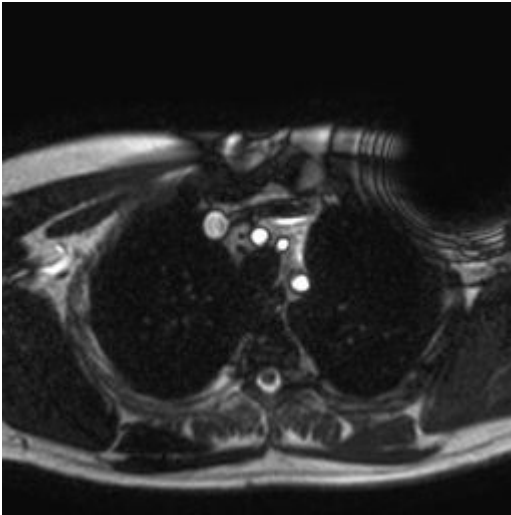
Non-compact CMP



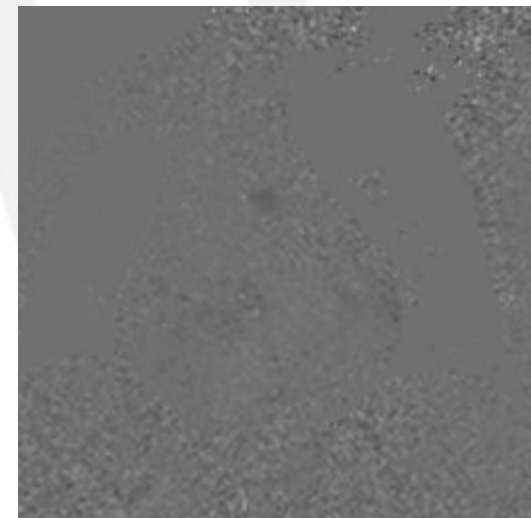
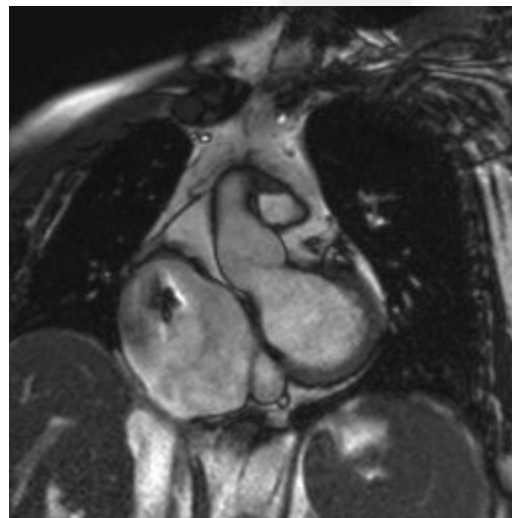
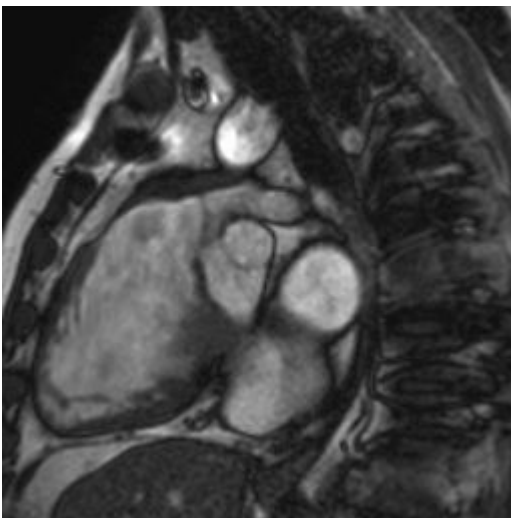
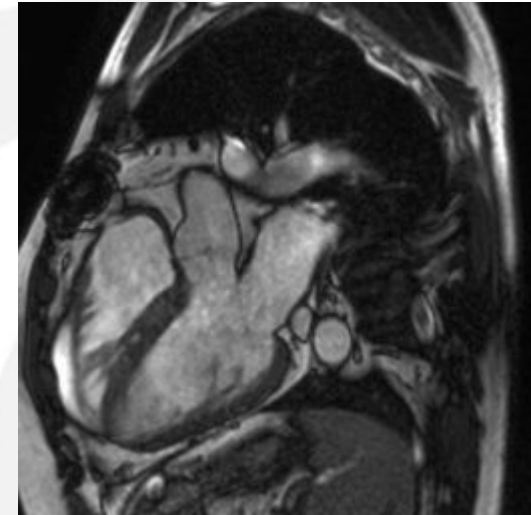
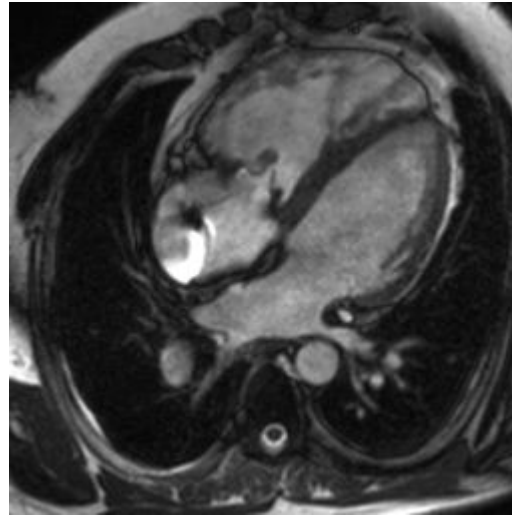
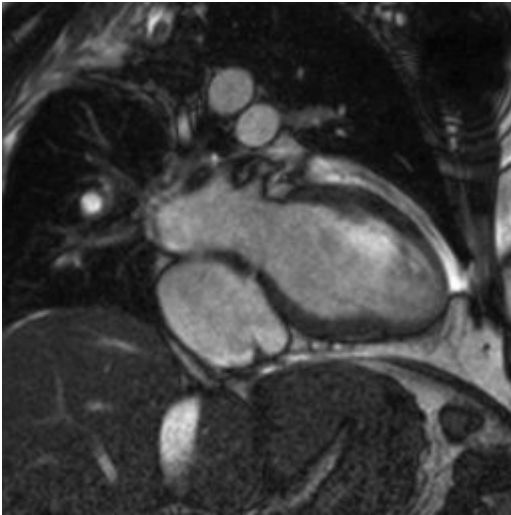
RCA CTO, non-compact CMP



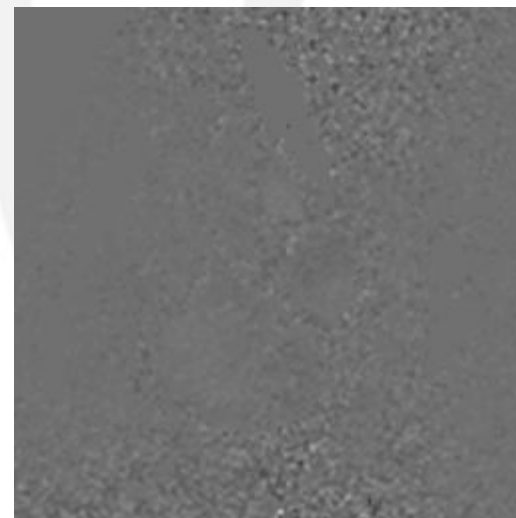
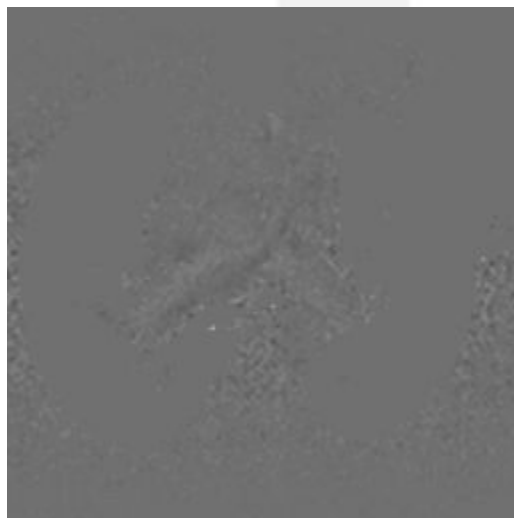
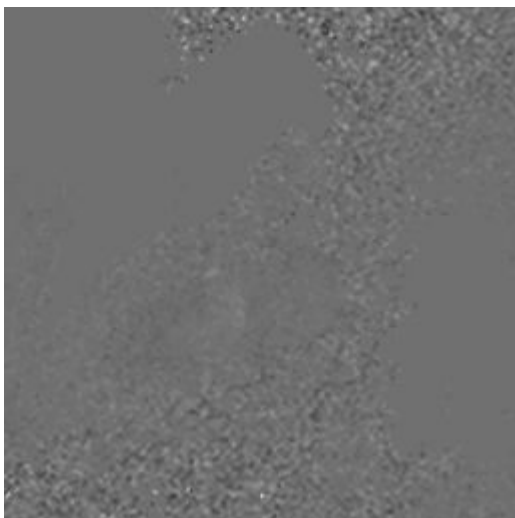
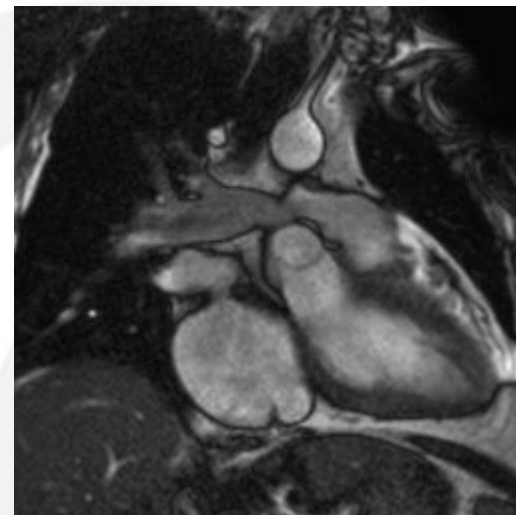
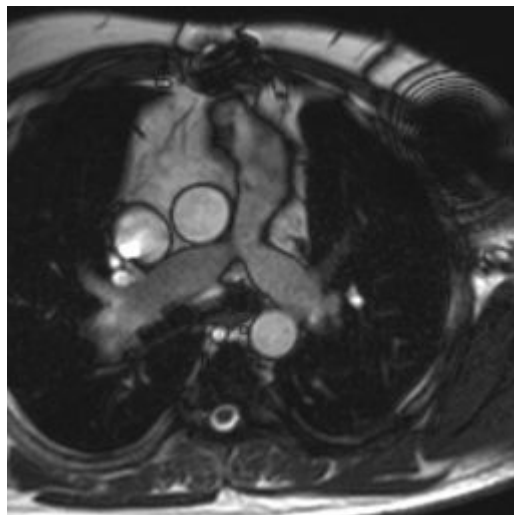
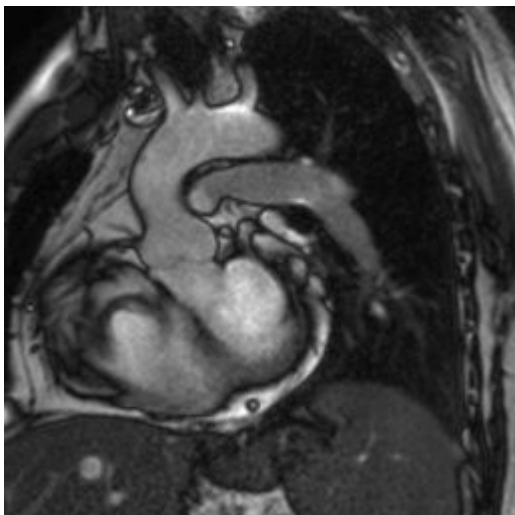
Reonstruált FIV, pacemaker



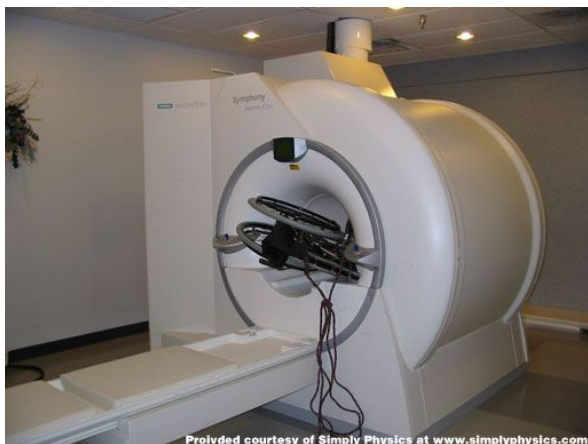
PA: Vmax 337cm/s, 45Hgmm, Rf 34%



Pulmonális differenciált flow: 50-50%



Biztonság: betegszállító, takarító



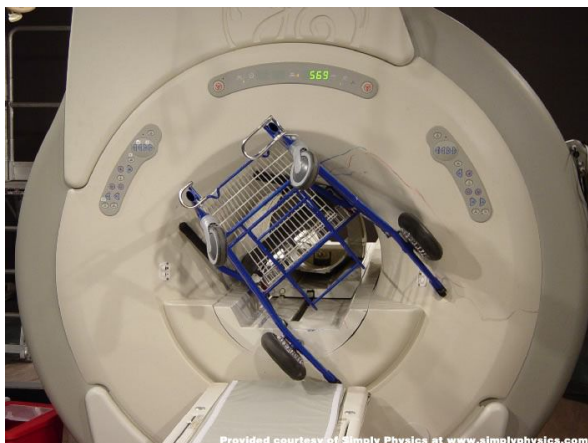
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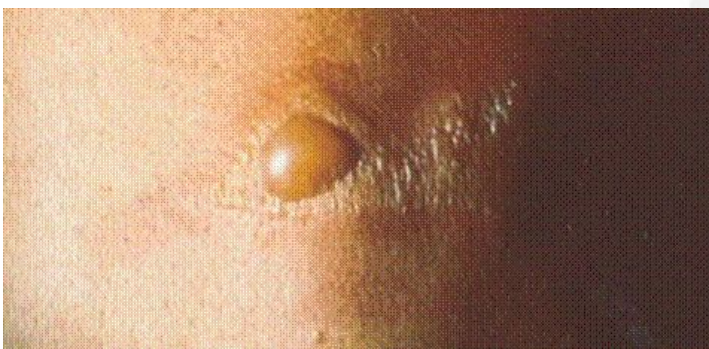


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Biztonság: tetkó, EKG, SpO2



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