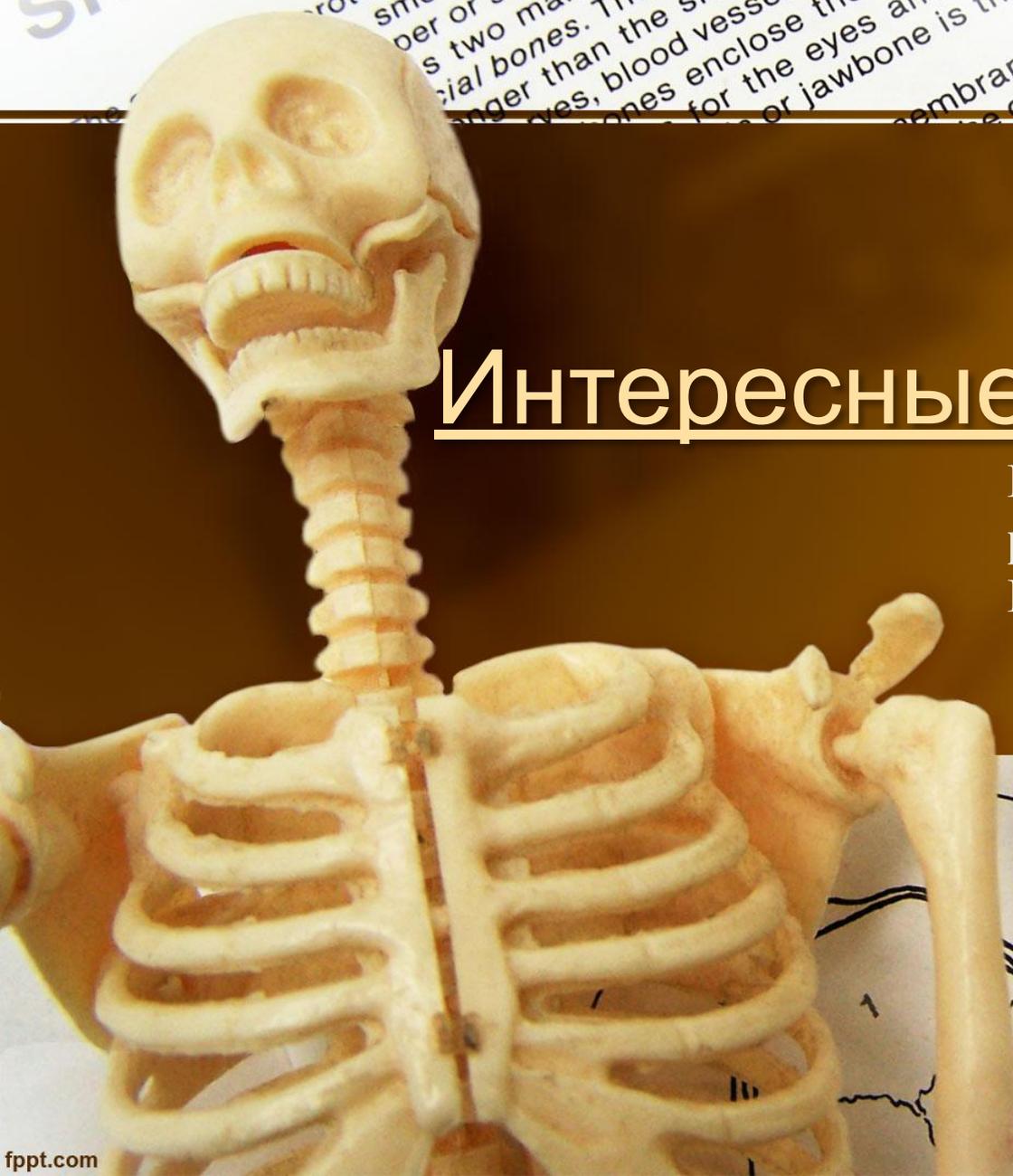


SKULL

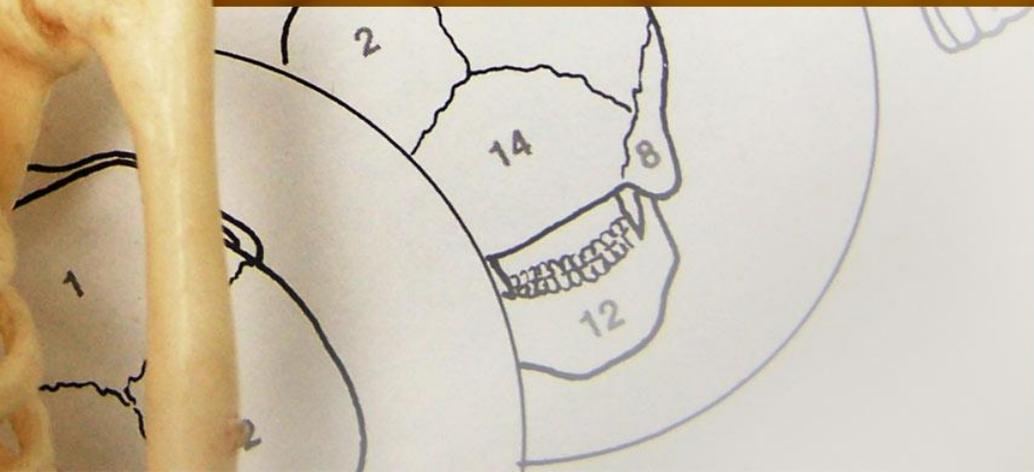
protective case for the brain, and the upper or superior end of the skull is divided into two main parts: the cranial bones. The base of the skull is larger than the sides and top of the skull. The cranial bones enclose the brain, and the facial bones enclose the eyes and the nasal cavity. The jawbone is the only bone in the skull that is not attached to the skull.

- 10. ...
- 11. MAXILLA
- 12. MANDIBLE
- 13. TEETH
- 14. OCCIPITAL BONE
- 15. HYOID BONE



# Интересные случаи в МРТ

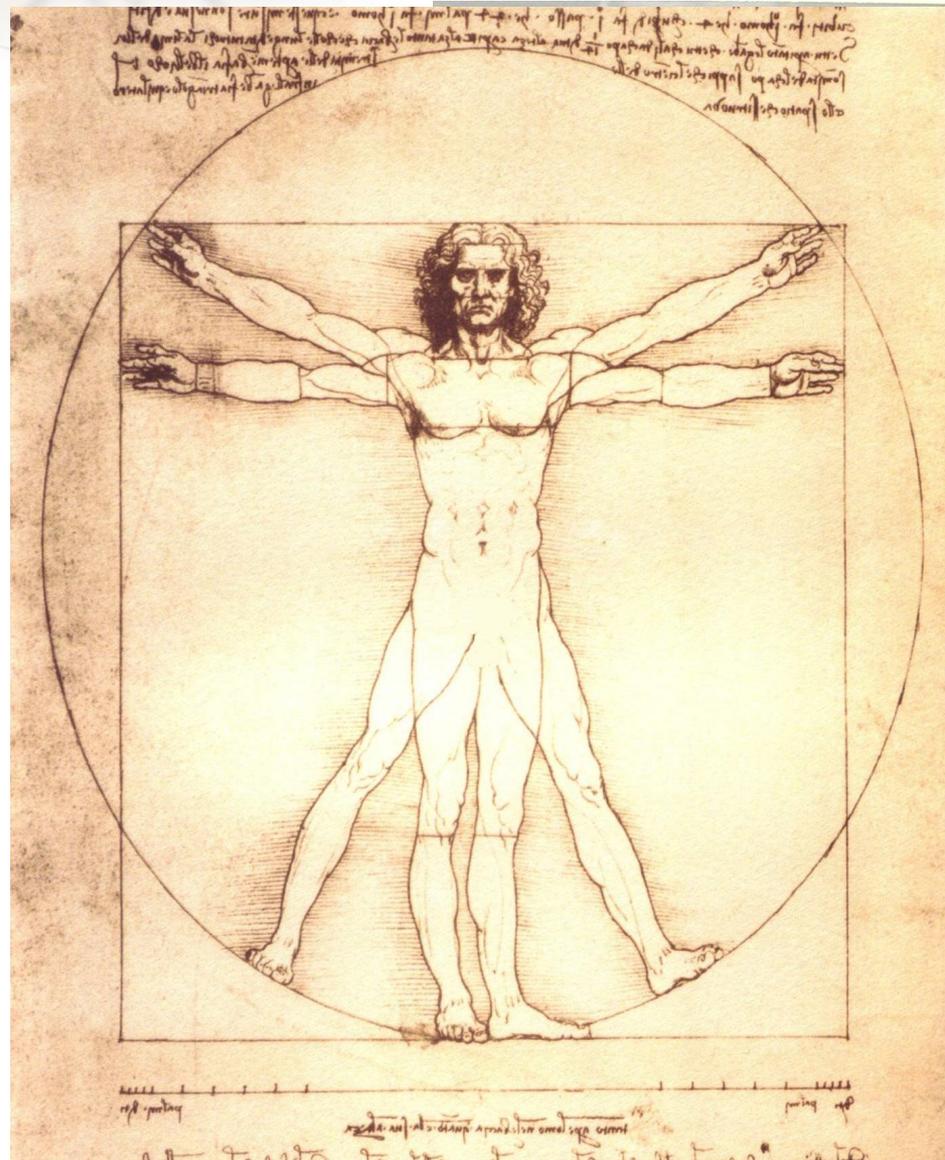
Выполнила врач-  
рентгенолог  
Петракович Л. П.





**МРТ смотрит многие органы и системы органов (за исключением сердца, легких, кишечника).**

- **МРТ головного мозга и сосудов**
- **МРТ позвоночника**
- **МРТ органов средостения**
- **МРТ брюшной полости и забрюшинного пространства**
- **МРТ органов малого таза**
- **МРТ суставов**
- **МРТ мягких тканей**

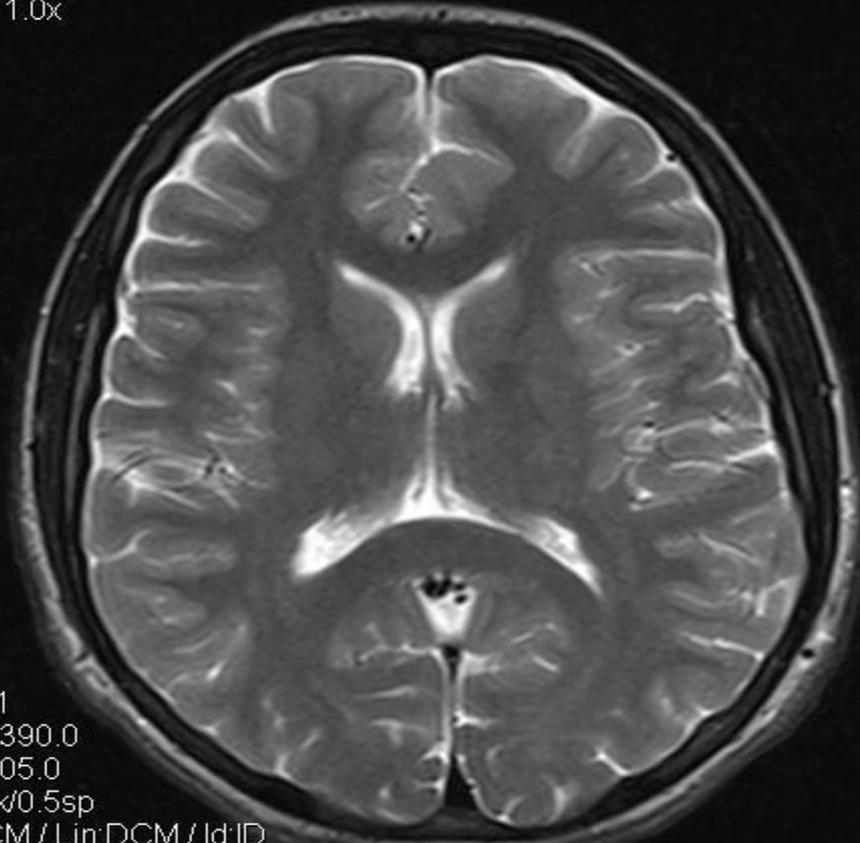




# Нормальная МР анатомия головного мозга

1.5T MRC23352  
Ex: 1  
t2\_tse\_tra  
C:  
Se: 2/6  
Im: 14/26  
Ax: H27.1 (COI)  
Mag: 1.0x

A<sub>H</sub>



R<sub>F</sub>

P<sub>F</sub>

AV K  
M.R., Har  
Nov 19 1999 F 007  
2016 Ju  
Acq Tm: 11:51:44.059  
320 x

1.5T MRC23352  
Ex: 1  
A t1\_se\_sag  
C:  
Se: 5/6  
Im: 10/19  
Sag: L3.4 (COI)  
Mag: 1.0x

H<sub>R</sub>



A<sub>R</sub>

P<sub>L</sub>

F<sub>L</sub>

M.R.  
Nov 19 1999 F  
ACC:  
2016 Jul 23  
Acq Tm: 11:59:25.217489  
256 x 256

ET: 11  
TR: 5390.0  
TE: 105.0  
5.0thk/0.5sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:927 L:432

DFOV: 19.2 x 24.0

ET: 1  
TR: 420.0  
TE: 10.0  
5.0thk/1.5sp  
Id:DCM / Lin:DCM / Id:ID  
W:684 L:121

DFOV: 23.0 x 23.0cm



# • Киста шишковидной железы

1.5T MRC23352  
Ex: 2  
Q2\_fm\_1ra\_dark-1uld  
C:  
Se: 3/9  
Im: 13/25  
Ax: H10.7 (CO) 0  
Mag: 1.0x

A<sub>w</sub>

AV Klinik

Apr 04 1980 F 005929  
Acc:  
2016 Feb 04  
Acq Tm: 17:32:47.054983

320 x 180



R<sub>w</sub>

L

ET: 15  
TR: 5000.0  
TE: 82.0  
5.0thk/0.5sp  
Id:DCM / Un:DCM / Id:ID  
Algo1 W568 L:478

P<sub>r</sub>

DFOV: 18.0 x 24.0cm

1.5T MRC23352

H<sub>p</sub>

AV Klinik

Ex: 2  
t2\_tse\_fs\_sag  
C:  
Se: 5/9  
Im: 11/20  
Sag: L0.1 (CO)

Apr 04 1980 F 005929  
Acc:  
2016 Feb 04  
Acq Tm: 17:38:40.735002

256 x 256

Mag: 1.0x

A<sub>H</sub>

P<sub>F</sub>

ET: 25  
TR: 6520.0  
TE: 119.0  
5.0thk/0.5sp  
Id:DCM / Lin:DCM / Id:ID  
W:1994 L:779

F<sub>A</sub>

DFOV: 23.0 x 23.0cm



# Киста прозрачной перегородки

1.5T MRC23352  
Ex: 1  
t2\_tse\_tra  
C:  
Se: 2/4  
Im: 14/26  
Ax: H27.8 (COI)

A<sub>H</sub>

AV Klinik  
Oct 04 1972 F 0060  
Acq Tm: 18:39:49.0350

320 x 2

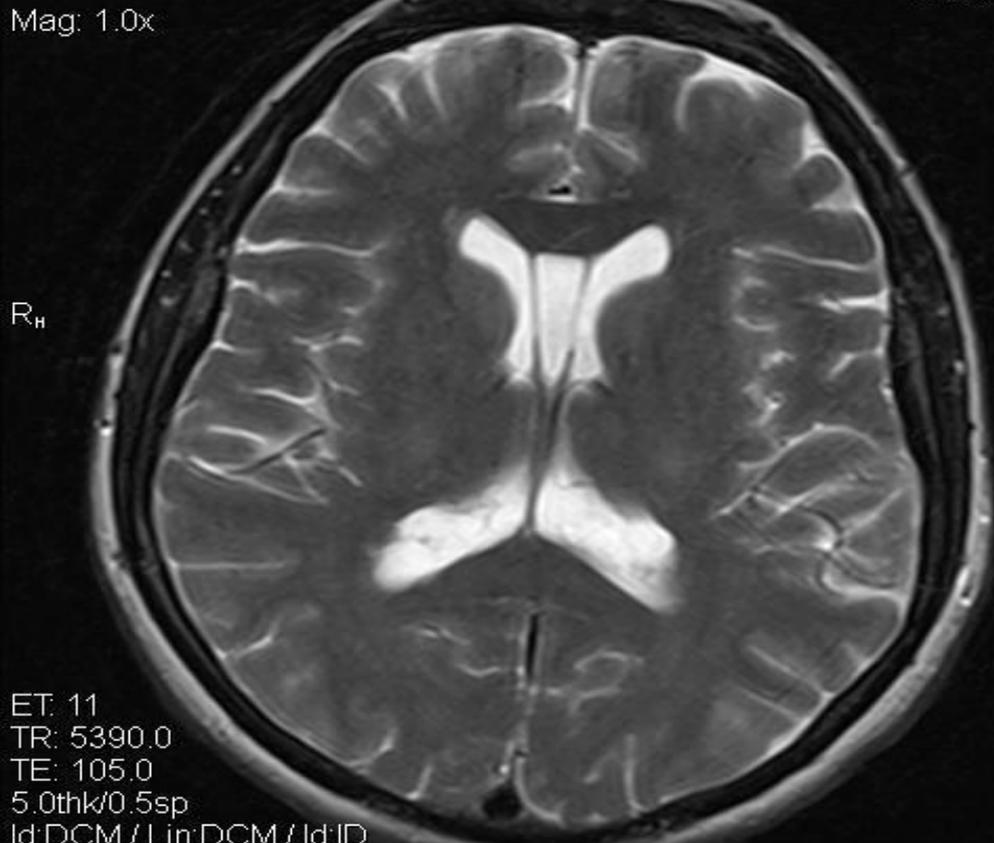
1.5T MRC23352  
Ex: 1  
t2\_tse\_cor  
C:  
Se: 6/8  
Im: 12/27  
Cor: A19.5 (COI)

H<sub>A</sub>

AV Klinik  
Oct 04 1972 F 006041  
Acc:  
2016 Feb 12  
Acq Tm: 18:49:38.765014

320 x 192

Mag: 1.0x



R<sub>H</sub>

ET: 11  
TR: 5390.0  
TE: 105.0  
5.0thk/0.5sp  
Id:DCM / Lin:DCM / Id:ID  
W:1088 L:521

P<sub>F</sub>

DFOV: 19.2 x 24.0cm



R<sub>A</sub>

ET: 11  
TR: 5600.0  
TE: 105.0  
5.0thk/1.0sp  
Id:DCM / Lin:DCM / Id:ID  
W:1970 L:721

F<sub>P</sub>

DFOV: 17.8 x 23.5cm

# Образование левой глазницы



1.5T MRC23352  
Ex: 1  
t2\_tse\_tra  
C:  
Se: 2/16  
Im: 7/26  
Ac: F31.5 (COI)  
Mag: 1.0x

A<sub>H</sub>

D23352

H<sub>A</sub>

Acq time: 10:09:40.1

Cor: A87.5 (COI)

320

Mag: 1.0x

R<sub>H</sub>

R<sub>P</sub>

L<sub>A</sub>

ET: 11  
TR: 5390.0  
TE: 105.0  
5.0thk/0.5sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:912 L:429

P<sub>F</sub>

DFOV: 19.2 x 2

ET: 11  
TR: 5600.0  
TE: 105.0  
5.0thk/1.0sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:918 L:427

F<sub>P</sub>

DFOV: 17.8 x 23.5cm

# Арахноидальная киста левой височно-теменной области



1.5T MRC23352  
Ex: 1  
t2\_tse\_tra  
C:  
Se: 2/7  
Im: 14/26  
Ax: H20.6 (COI)  
Mag: 1.0x

A<sub>F</sub>

Ju

2016 Jun 3  
Acq Tm: 15:22:52.03001

320 x 20

1.5T MRC23352  
Ex: 1  
t2\_tse\_cor  
C:  
Se: 7/7  
Im: 11/27  
Cor: A17.1 (COI)  
Mag: 1.0x

H<sub>A</sub>

Jun 19 2

Acq Tm: 15

R<sub>H</sub>

R<sub>P</sub>

L<sub>A</sub>

ET: 11  
TR: 5390.0  
TE: 105.0  
5.0thk/0.5sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:992 L:455

P<sub>H</sub>

DFOV: 19.2 x 24.0cm

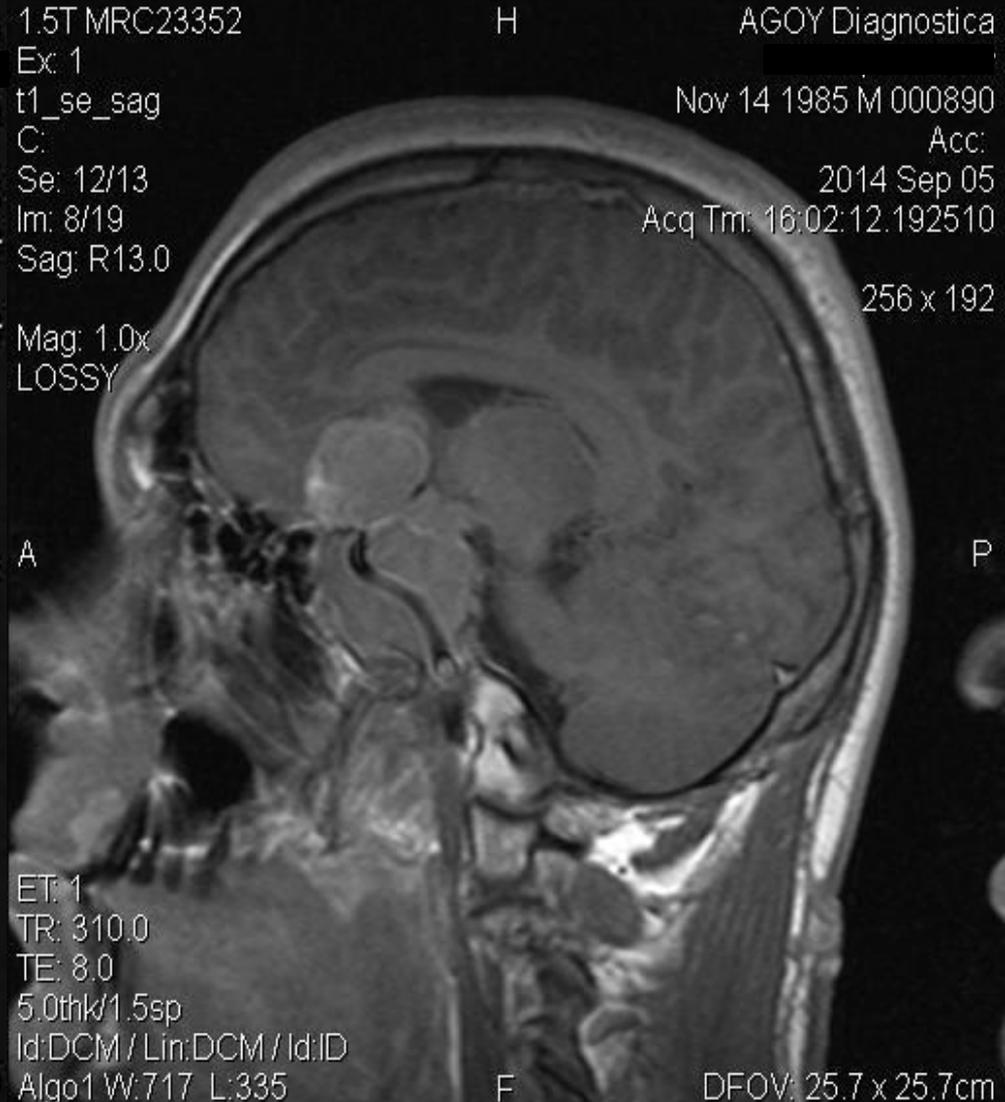
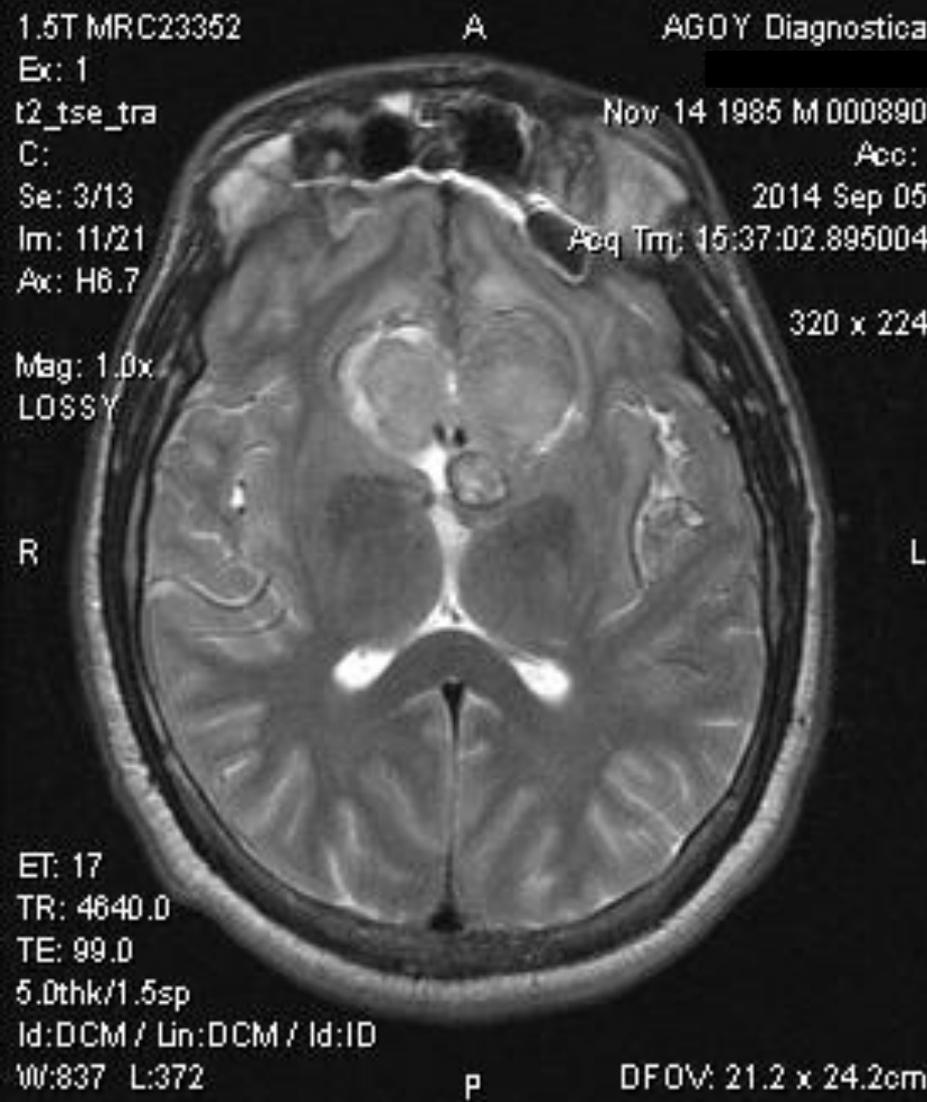
ET: 11  
TR: 5600.0  
TE: 105.0  
5.0thk/1.0sp  
Id:DCM / Lin:DCM / Id:ID  
W:923 L:309

F<sub>P</sub>

DFOV: 17.6 x 23.5cm



# Макроаденома гипофиза



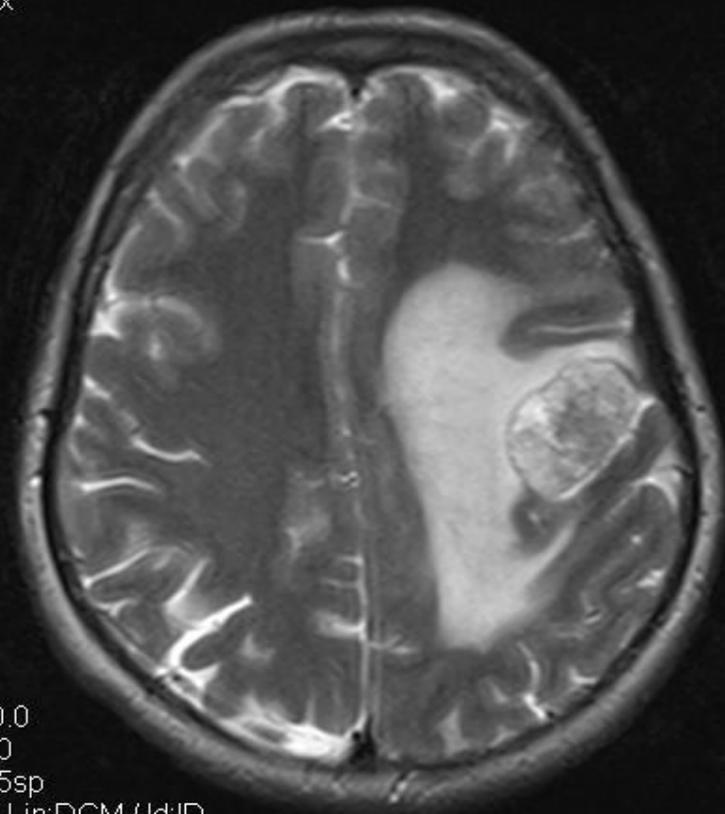


# Объемное образование левой теменной доли

1.5T MRC23352  
Ex: 1  
t2\_tse\_tra  
C:  
Se: 2/14  
Im: 19/26  
Ax: H41.0 (COI)  
Mag: 1.0x  
LOSSY

A<sub>H</sub>

AV Klinik  
Jun 05 1958 F 004800  
Acc:  
2015 Oct 13  
Acq Tm: 16:39:46.360006  
320 x 205



R<sub>F</sub>

ET: 11  
TR: 5390.0  
TE: 105.0  
5.0thk/0.5sp  
Id:DCM / Lin:DCM / Id:ID  
W:998 L:458

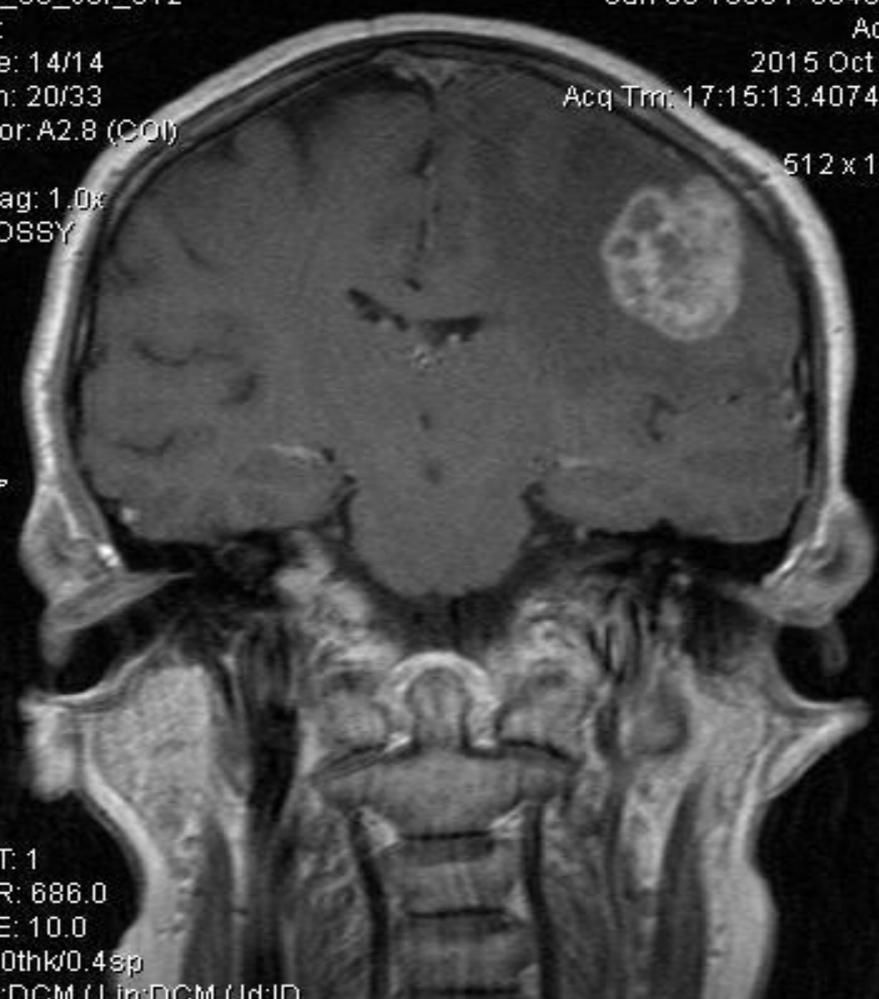
P<sub>F</sub>

DFOV: 19.2 x 24.0cm

1.5T MRC23352  
Ex: 1  
t1\_se\_cor\_512  
C:  
Se: 14/14  
Im: 20/33  
Cor: A2.8 (COI)  
Mag: 1.0x  
LOSSY

H<sub>P</sub>

AV Klinik  
Jun 05 1958 F 004800  
Acc:  
2015 Oct 13  
Acq Tm: 17:15:13.407491  
512 x 192



L<sub>H</sub>

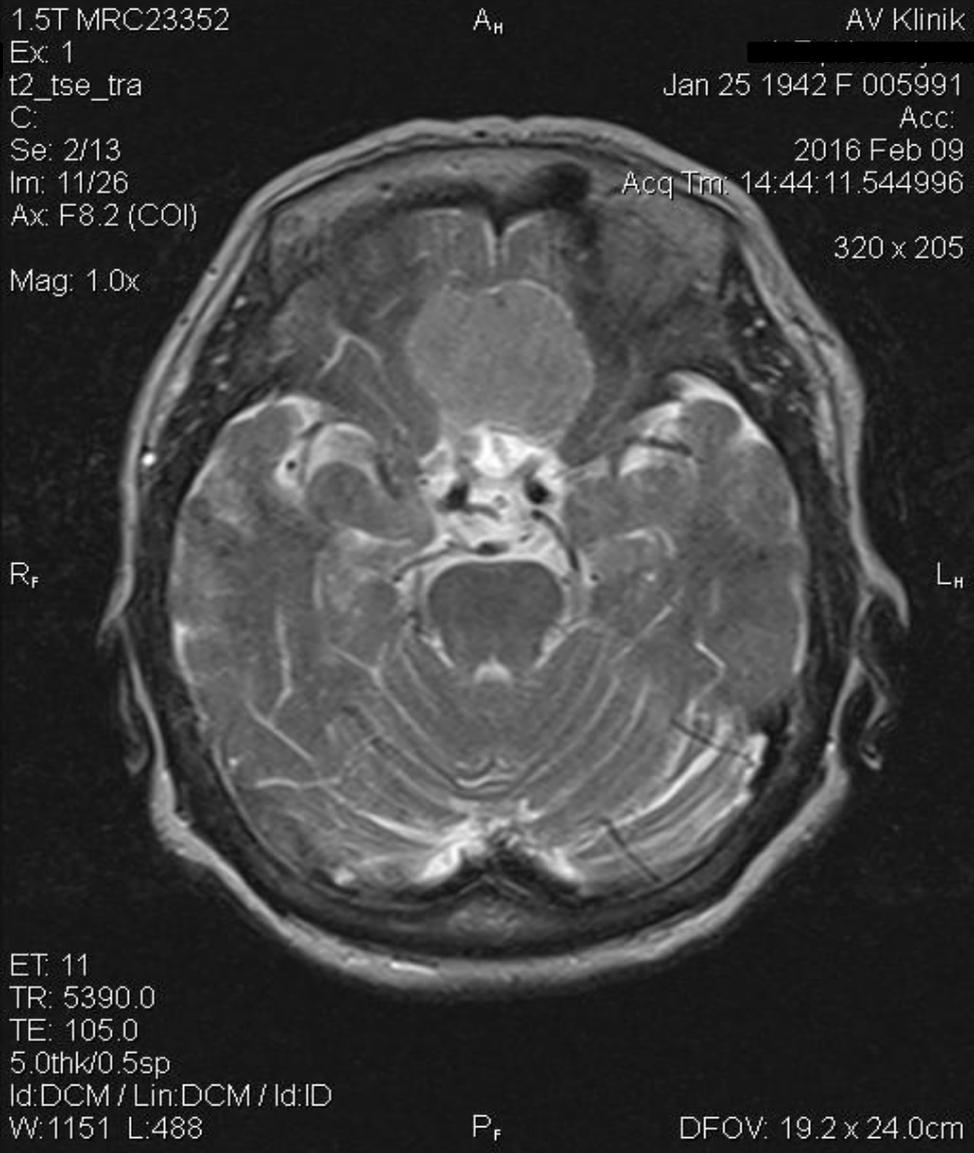
ET: 1  
TR: 686.0  
TE: 10.0  
4.0thk/0.4sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:1169 L:586

F<sub>x</sub>

DFOV: 17.3 x 23.0cm



# Менингиома





# Сосудистая мальформация

1.5T MRC23352

Ex: 1

t2\_tse\_tra

C:

Se: 2/15

Im: 7/26

Ax: F30.5 (COI)

Mag: 1.0x  
LOSSY

R<sub>H</sub>

ET: 11  
TR: 5390.0  
TE: 105.0  
5.0thk/0.5sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:925 L:433

A<sub>H</sub>

Feb 18 1973 F 004582

Acc:

2015 Sep 25

Acq Tm: 12:30:32.114987

320 x 205

P<sub>F</sub>

DFOV: 19.2 x 24.0cm

AV Klinik 1.5T MRC23352

Ex: 1

t2\_tse\_cor

C:

Se: 5/15

Im: 17/27

Cor: P14.4 (COI)

Mag: 1.0x  
LOSSY

L<sub>F</sub> R<sub>A</sub>

ET: 11  
TR: 5600.0  
TE: 105.0  
5.0thk/1.0sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:1048 L:492

H<sub>A</sub>

Feb 18 1973 F 004582

Acc:

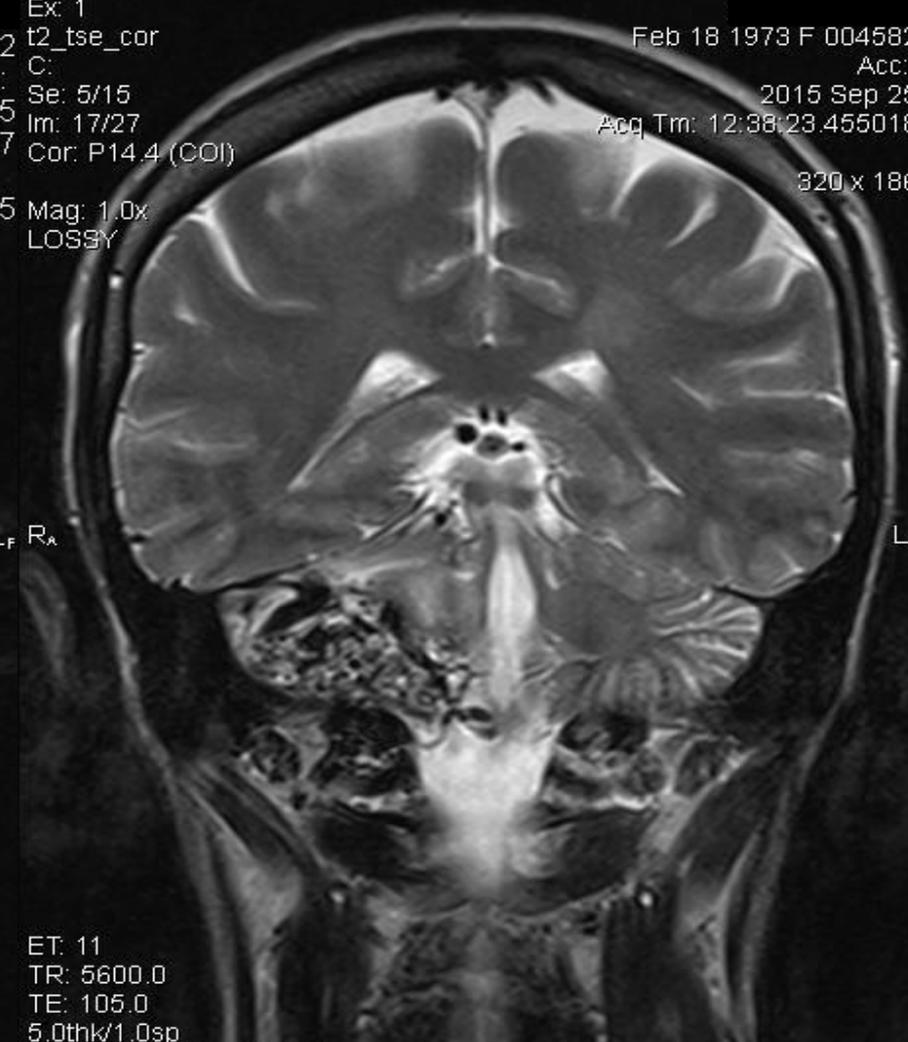
2015 Sep 25

Acq Tm: 12:38:23.455018

320 x 186

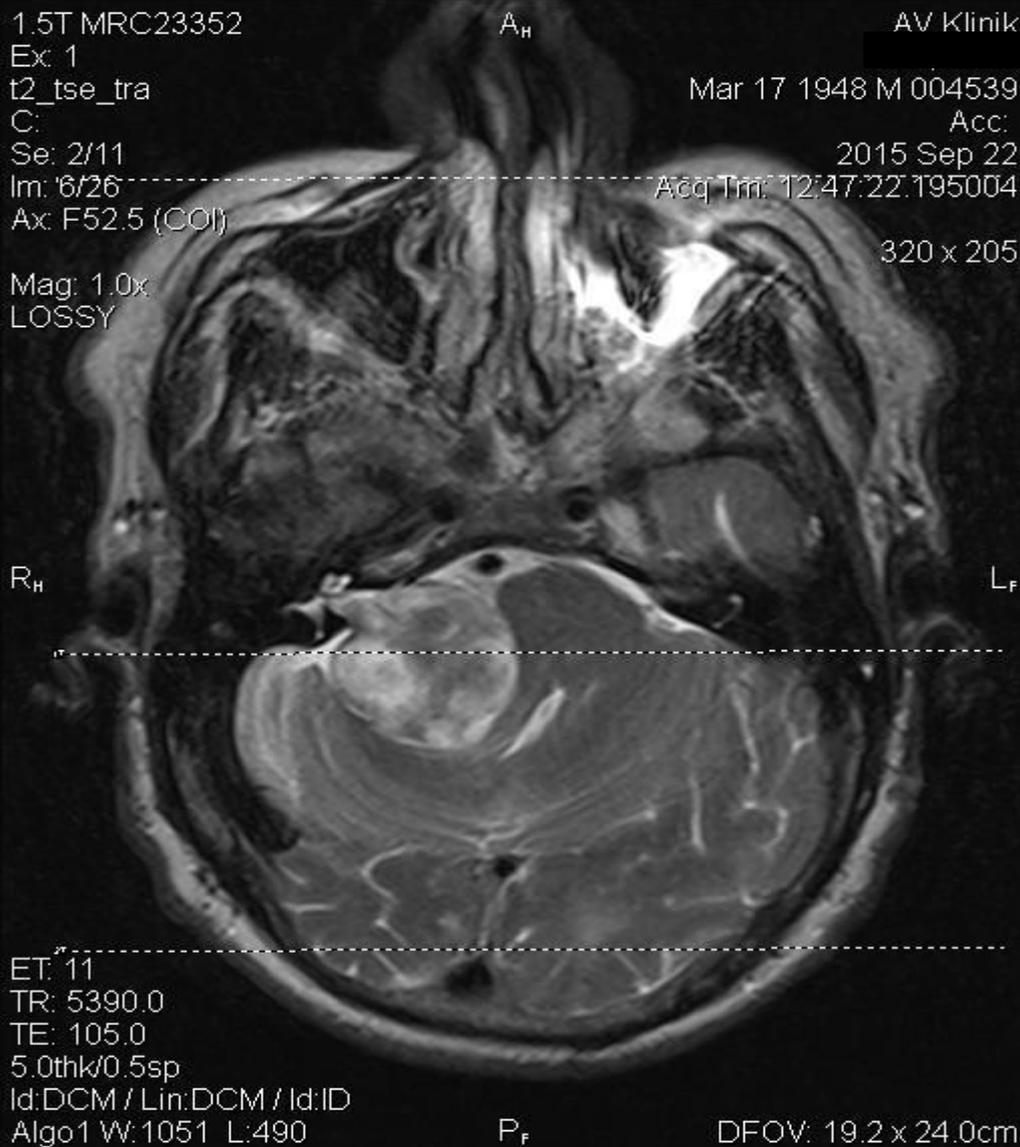
F<sub>F</sub>

DFOV: 17.0 x 23.5cm





# Невринома VIII нерва





# Ишемический инсульт



# МР-семиотика ишемического инсульта с использованием ДВИ: увеличение интенсивности МР-сигнала



DWI-Diffusion  
Weighted  
Images  
Диффузионно-  
взвешенные  
изображения  
(ДВИ)



# Геморрагический инсульт

1.5T MRC23352

A

AV Klinik

1.5T MRC23352

A

AV Klinik

Ex: 1  
t2\_tse\_tra  
C:  
Se: 3/8  
Im: 11/21  
Ax: H14.2

Jun 22 1950 F 002944

Ex: 1  
t2\_tirm\_tra\_dark-fluid  
C:  
Se: 4/8  
Im: 11/21  
Ax: H14.2

Jun 22 1950 F 002944

Acc:

2015 Apr 10

Acq Tm: 15:21:08.582498

256 x 192

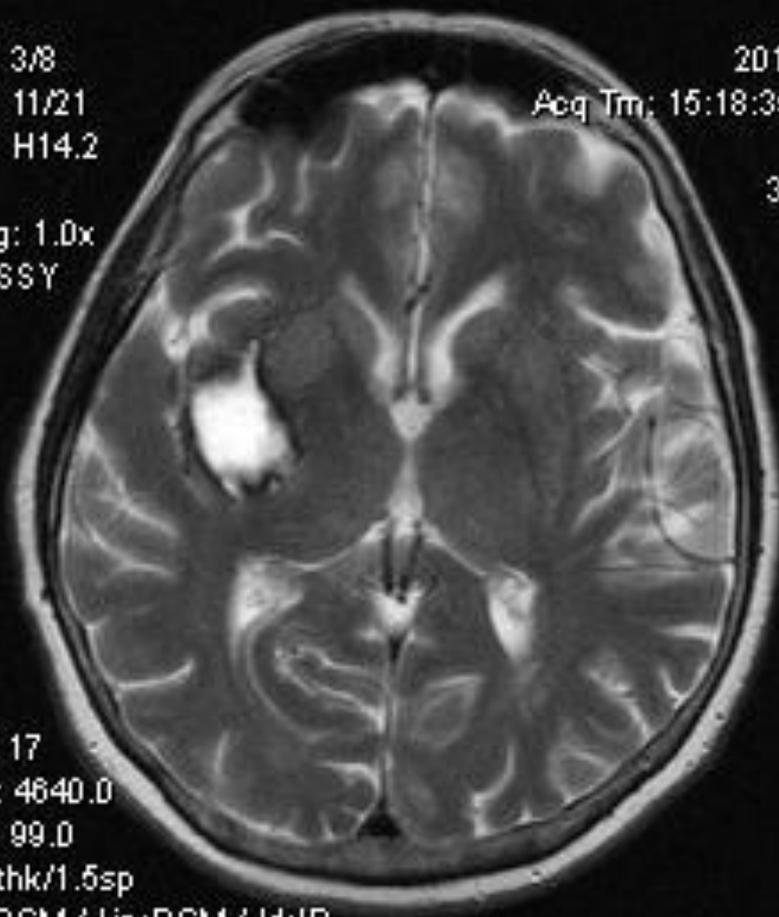
Acq Tm: 15:18:35.909980

320 x 224

Mag: 1.0x  
LOSSY

Mag: 1.0x  
LOSSY

R



L R



L

ET: 17  
TR: 4640.0  
TE: 99.0  
5.0thk/1.5sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:1107 L:527

P

DFOV: 20.1 x 23.0cm

ET: 21  
TR: 9000.0  
TE: 114.0  
5.0thk/1.5sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:835 L:373

P

DFOV: 18.0 x 24.0cm



# ДВИ и GEMO

1.5T MRC23352  
Ex: 1  
t2\_fl2d\_tra\_hemo  
C:  
Se: 8/8  
Im: 11/19  
Ax: H17.2  
Mag: 1.0x  
LOSSY

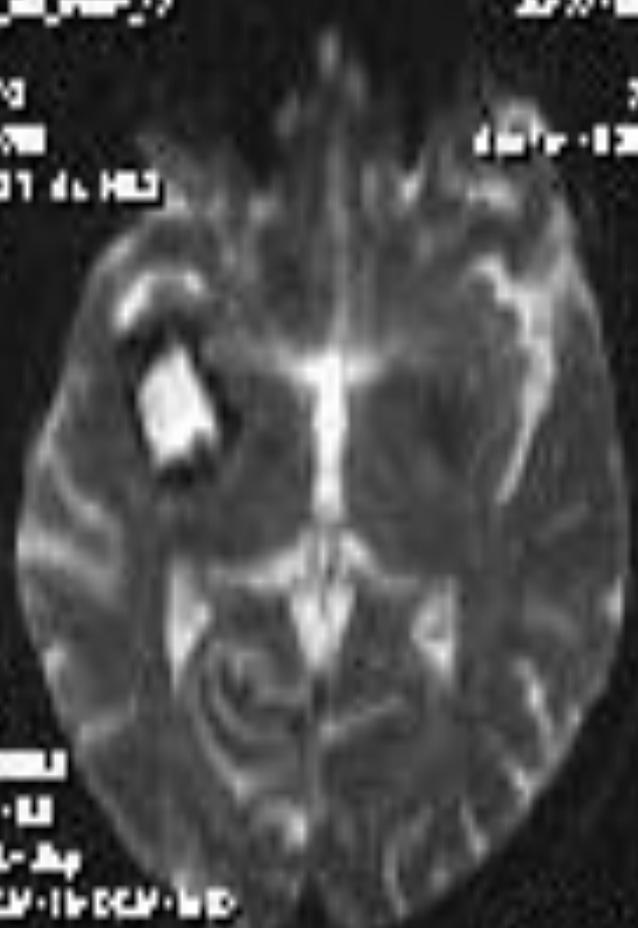
AV Klinik  
Jun 22 1950 F 002944  
Acc:  
2015 Apr 10  
Acq Tm: 15:30:58.970001  
256 x 168

1.5T MRC23352  
Ex: 1  
t2\_fl2d\_tra\_hemo  
C:  
Se: 8/8  
Im: 11/19  
Ax: H17.2

A

AV Klinik

Jun 22 1950 F 002944  
Acc:  
2015 Apr 10  
Acq Tm: 15:30:58.970001  
256 x 168



Mag: 1.0x  
LOSSY

R

L

ET: 1  
TR: 658.0  
TE: 26.0  
6.0thk/1.8sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:711 L:334

ET: 1  
TR: 658.0  
TE: 26.0  
6.0thk/1.8sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:711 L:334

P

DFOV: 22.0 x 19.3cm

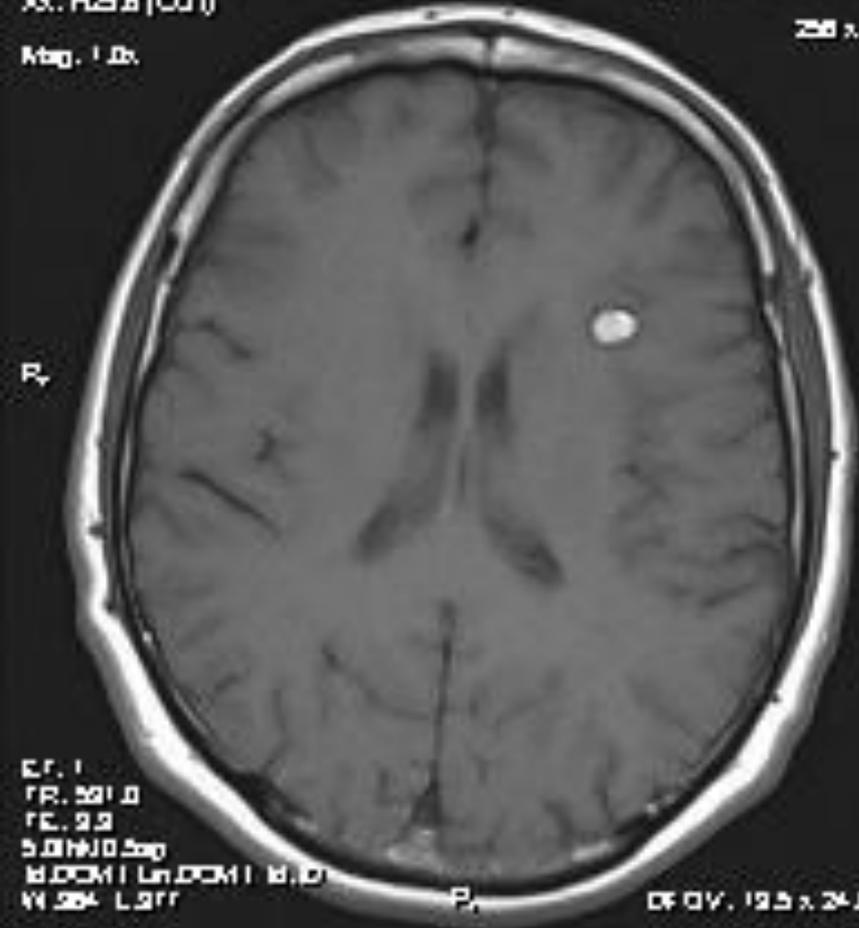


# Хроническая гематома

1.5T MRC23352  
Ex: 1  
11\_28\_13  
C:  
Se: 6/13  
Im: 14/19  
Acq Tm: 19:18:28.257504  
Mag: 1.0x

AV Klav  
S.N., Pashchenko  
Aug 14 12:10 M 008075  
Acc:  
2018 Aug 13  
Acq Tm: 19:18:28.257504  
256 x 256  
1.5T MRC23352  
Ex: 1  
t1\_se\_sag  
C:  
Se: 6/13  
Im: 14/19  
Sag: L34.1 (COI)  
Mag: 1.0x

AV Klav  
S.N., Kraschenko  
Aug 14 1970 M 008075  
Acc:  
2018 Aug 13  
Acq Tm: 19:18:28.257504  
256 x 256



ET: 1  
TR: 501.0  
TE: 9.9  
6.3thk/1.9sp  
Id:DCM / Lin:DCM / Id:ID  
W:839 L:282

ET: 1  
TR: 420.0  
TE: 10.0  
6.3thk/1.9sp  
Id:DCM / Lin:DCM / Id:ID  
W:839 L:282

DFOV: 23.0 x 23.0cm



# Хроническая гематома

1.5T MRC23352  
Ex: 1  
Q\_Im\_tra\_dark-fluid  
C:  
Se: 3/13  
Im: 14/25  
Ax: H26.3 (C00)  
Mag: 1.0x

Ан

AVI KIRI  
S.M., Radchenk  
Aug 14 1970 M 00807  
Acc:  
2016 Aug 1  
Acq Tm: 19:12:38.07251

320 x 180



ET: 15  
TR: 5000.0  
TE: 82.0  
5.0thk/1.5sp  
Id:DCM / Un:DCM / Id:ID  
W531 L226

Рr

DFOV: 18.0 x 24.0cm

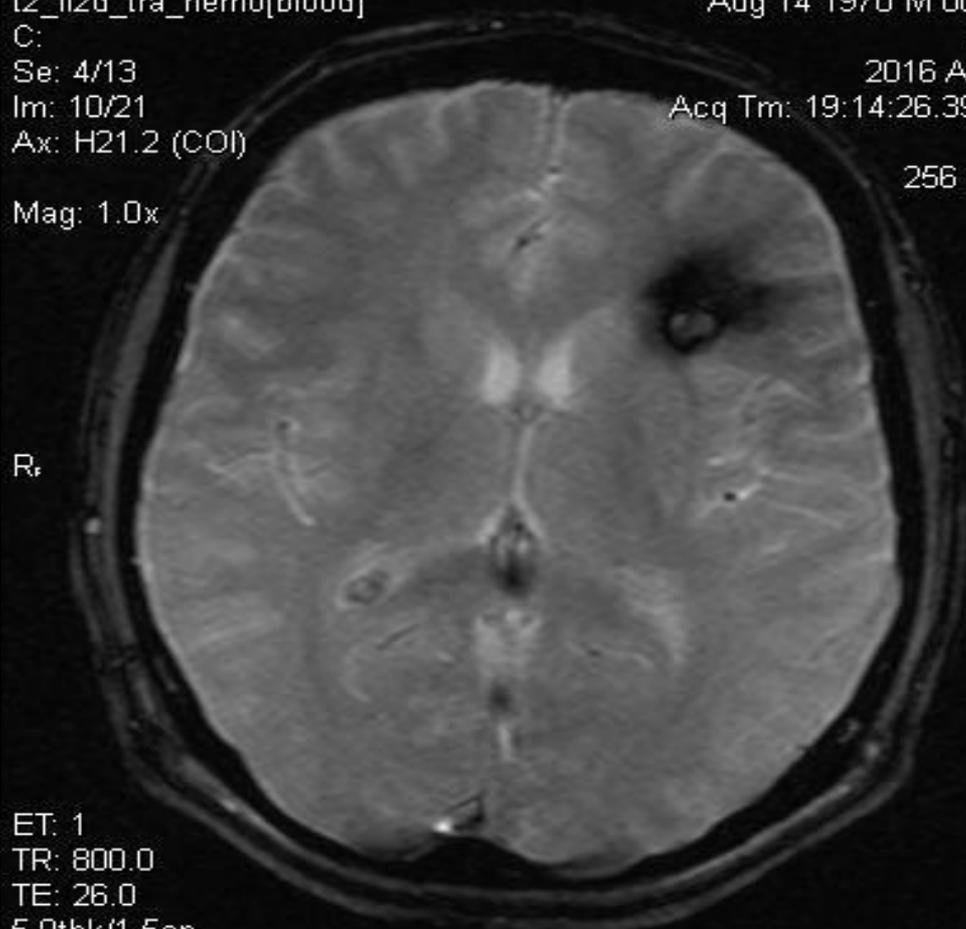
1.5T MRC23352  
Ex: 1  
t2\_f12d\_tra\_hemo[blood]  
C:  
Se: 4/13  
Im: 10/21  
Ax: H21.2 (C01)

Ан

AVI KIRI  
S.M., Radchenk  
Aug 14 1970 M 008075  
Acc:  
2016 Aug 13  
Acq Tm: 19:14:26.399994

256 x 156

Mag: 1.0x

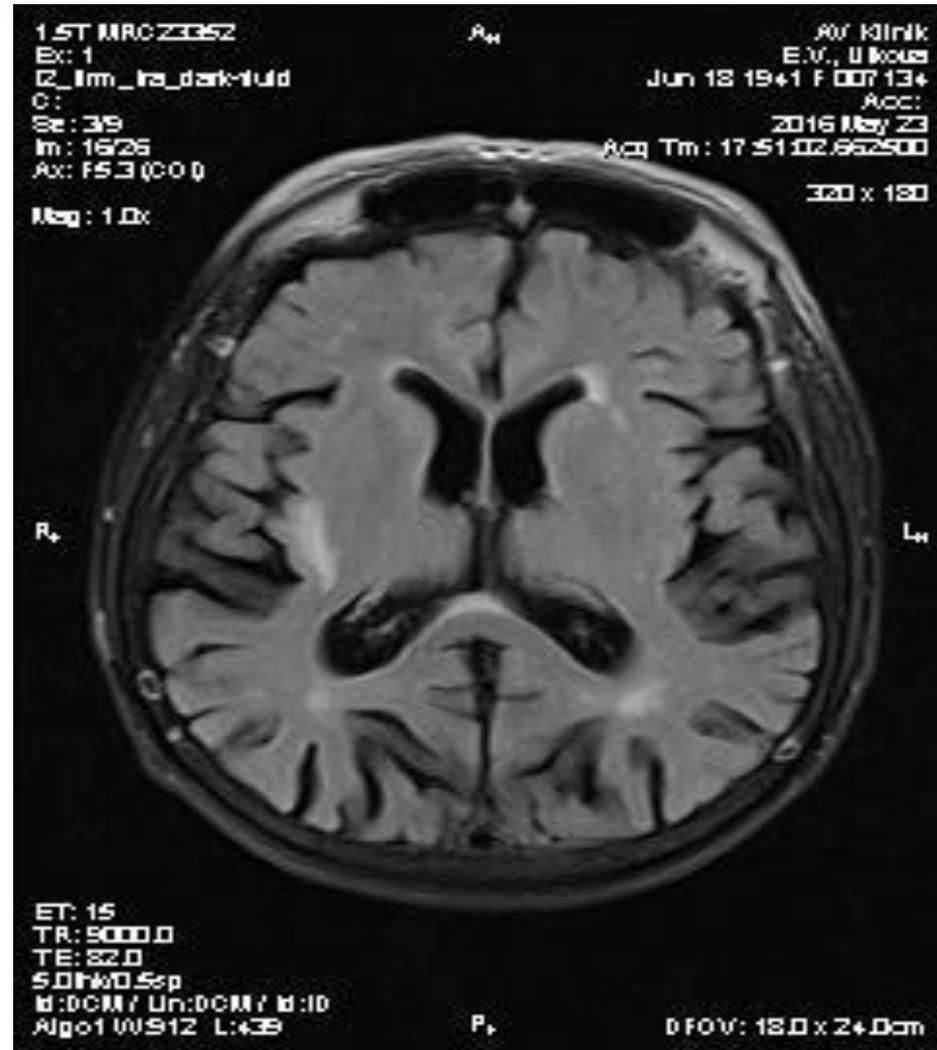


ET: 1  
TR: 800.0  
TE: 26.0  
5.0thk/1.5sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:715 L:342

Рr

DFOV: 19.5 x 24.0cm

# Хроническая ишемия





# Образование левой лобной доли (дермоид)



# Образование левой лобной доли (дермоид)



1.5T MRC23352

A

AGOY Diagnostica

Ex: 1

t2\_tirm\_tra\_dark-fluid

Aug 19 1989 M 001798

C:

Acc:

Se: 4/6

2014 Dec 01

Im: 11/21

Acq Tm: 09:32:19.585014

Ax: H25.0

256 x 192

Mag: 1.0x

LOSSY

R

L

ET: 21

TR: 9000.0

TE: 114.0

5.0thk/1.5sp

Id:DCM / Lin:DCM / Id:ID

W:883 L:378

P

DFOV: 18.0 x 24.0cm



# Метастазы.

1.5T MRC23352

A<sub>H</sub>

MRC23352

H<sub>P</sub>

Ex: 1

t1\_se\_tra

Ap

e\_cor\_512

C:

Se: 16/18

Im: 9/26

Ax: F38.9 (COI)

2016 Feb 18  
Acq Trm: 18:39:02.112489

Se: 18/18  
Im: 12/33  
Cor: A37.9 (COI)

Acq Trm: 13:47:30.299996

Mag: 1.0x

256 x 224

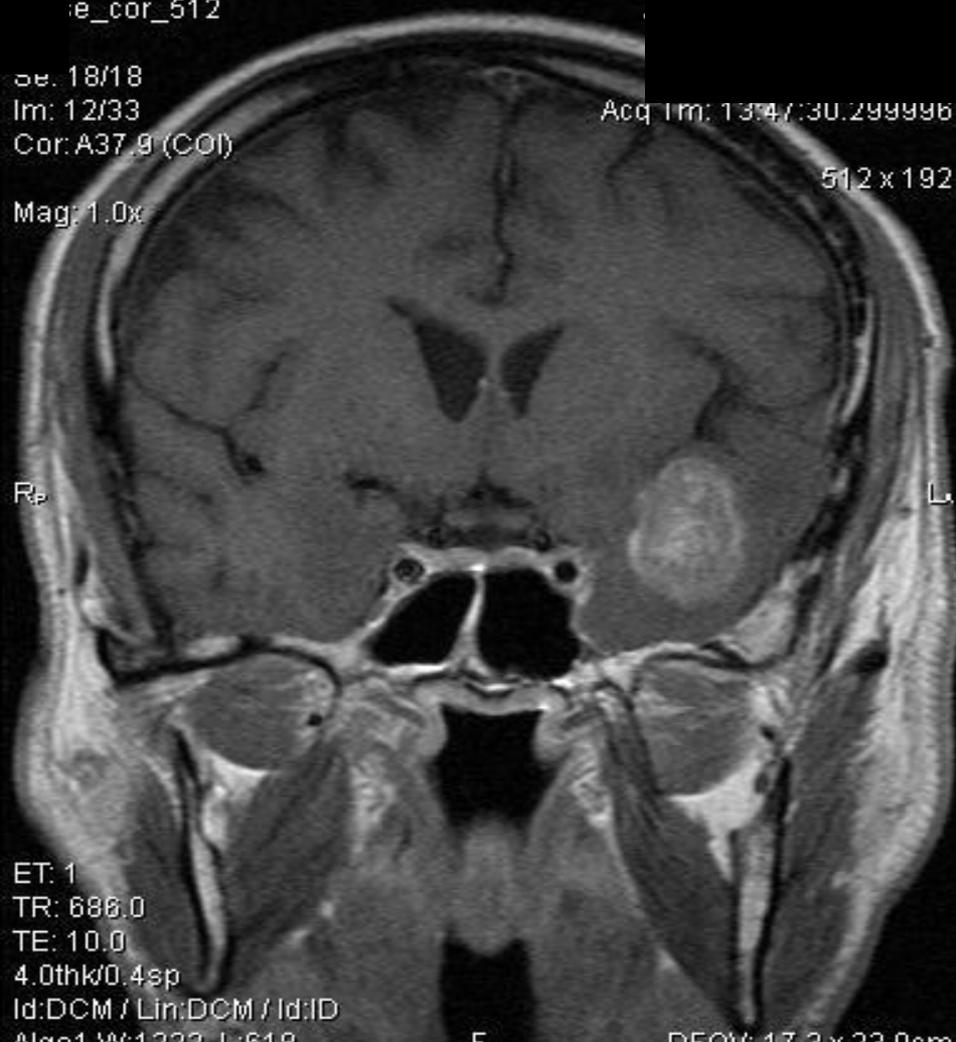
Mag: 1.0x

512 x 192



R<sub>r</sub>

L<sub>r</sub>



R<sub>p</sub>

L<sub>p</sub>

ET: 1  
TR: 500.0  
TE: 8.1  
5.0thk/0.5sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:1094 L:533

P<sub>r</sub>

DFOV: 20.1 x 23.0cm

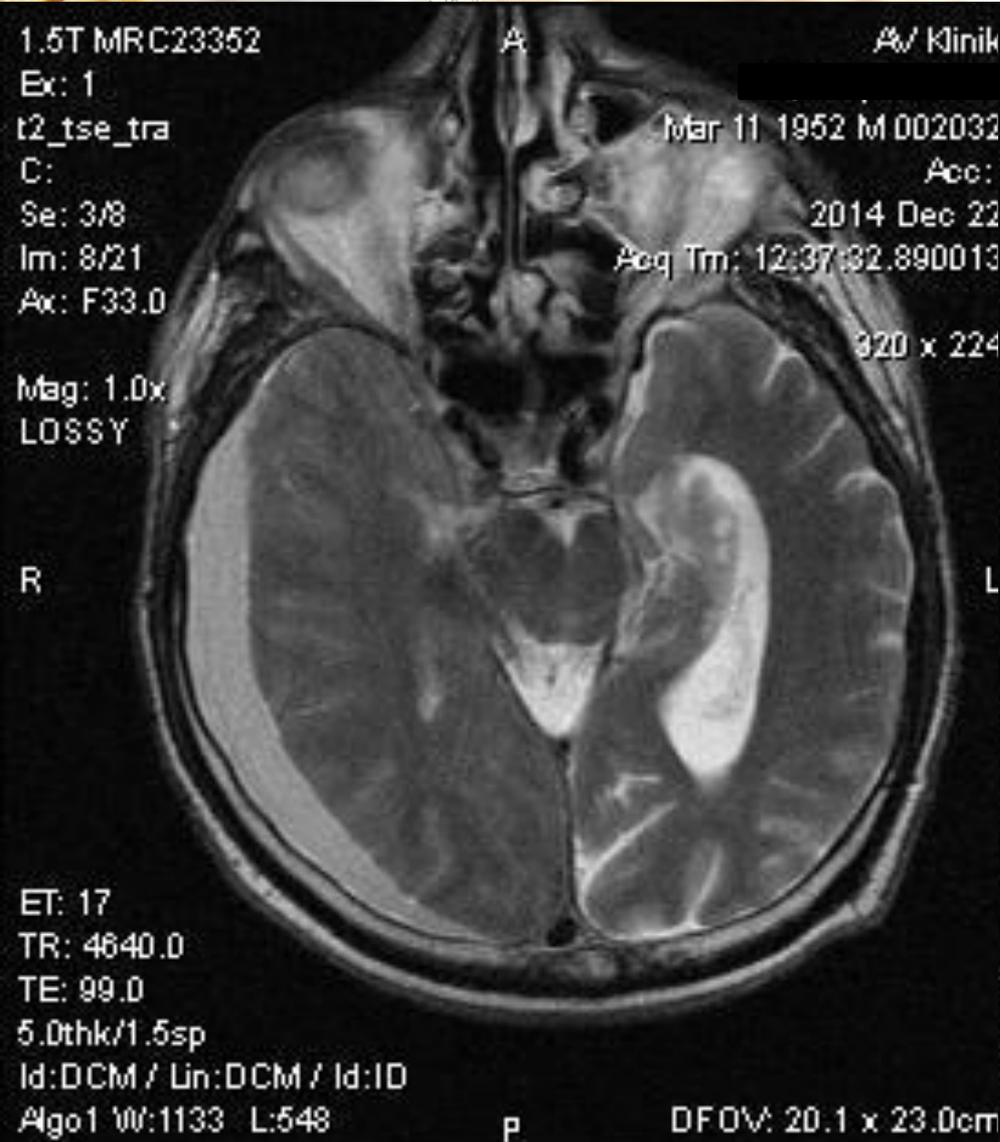
ET: 1  
TR: 688.0  
TE: 10.0  
4.0thk/0.4sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:1222 L:618

F<sub>p</sub>

DFOV: 17.3 x 23.0cm



# Субдуральная гематома





# Образование 4-го желудочка (эпендиммома)





# Постконтрастное МРТ

1.5T MRC23352

H

AV Klinik 1.5T MRC23352

Hx

AV Klinik

Ex: 2

Ex: 2

t1\_se\_sag

Dec 22 1953 M 00232

t1\_se\_cor post

Dec 22 1953 M 002323

C:

Acc:

C:

Acc:

Se: 3/4

2015 Jan 2

Se: 4/4

2015 Jan 28

Im: 11/19

Acq Tm: 12:30:10.0599E

Im: 15/20

Acq Tm: 12:32:17.222484

Sag: L6.5

Cor: P12.3 (COI)

256 x 187

Mag: 1.0x

256 x 192

Mag: 1.0x

LOSSY

LOSSY

A

Rx

Lx

ET: 1

TR: 310.0

TE: 8.0

5.0thk/1.5sp

Id:DCM / Lin:DCM / Id:ID

W:839 L:322

F

DFOV: 23.0 x 23.0cm

ET: 1

TR: 420.0

TE: 8.1

5.0thk/1.5sp

Id:DCM / Lin:DCM / Id:ID

Algo1 W:1077 L:527

Fp

DFOV: 19.5 x 24.0cm



# Рассеянный склероз

1.5T MRC Z3352  
Ex: 1  
Q\_Im\_Ira\_dark-1uld  
C:  
Se: 5/12  
Im: 18/25  
Ax: H37.9 (000)

R<sub>H</sub>

AV Klinik  
Sep 18 1979 F 005+18  
Acc:  
2015 Dec 09  
Acq Tm: 08:43:44.892516

320 x 190

1.5T MRC Z3352  
Ex: 1  
Q\_Im\_Ira\_dark-1uld  
C:  
Se: 5/12  
Im: 18/25  
Ax: H48.9 (000)

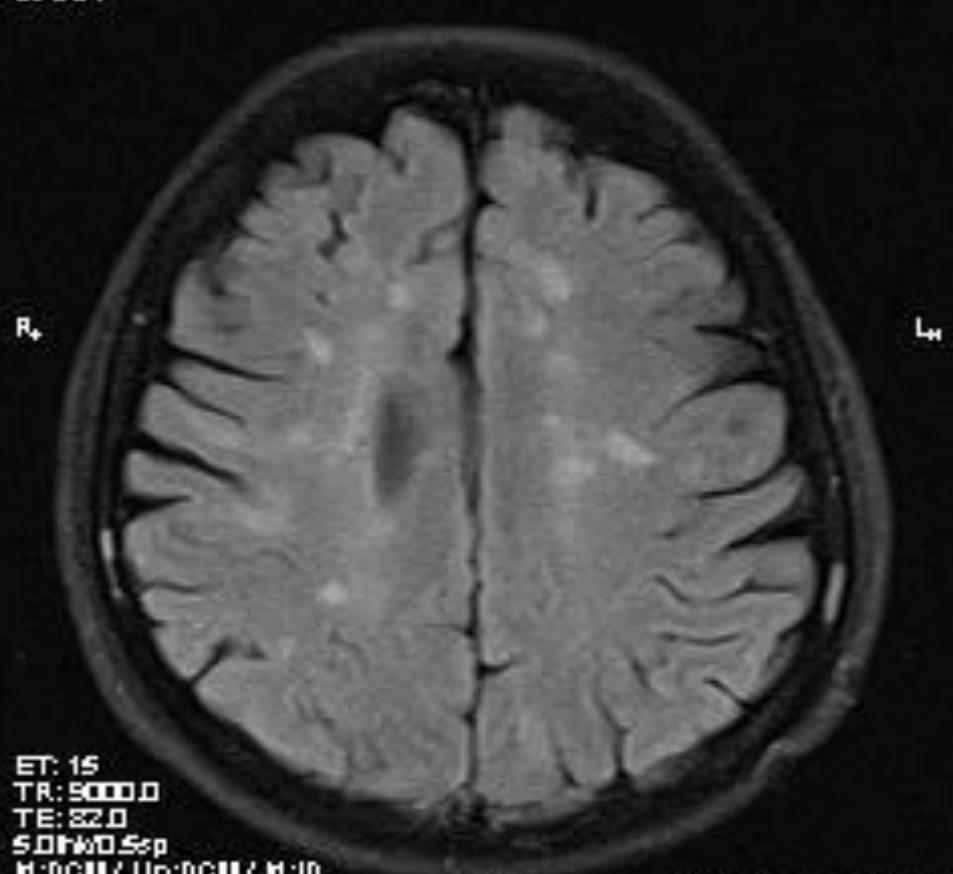
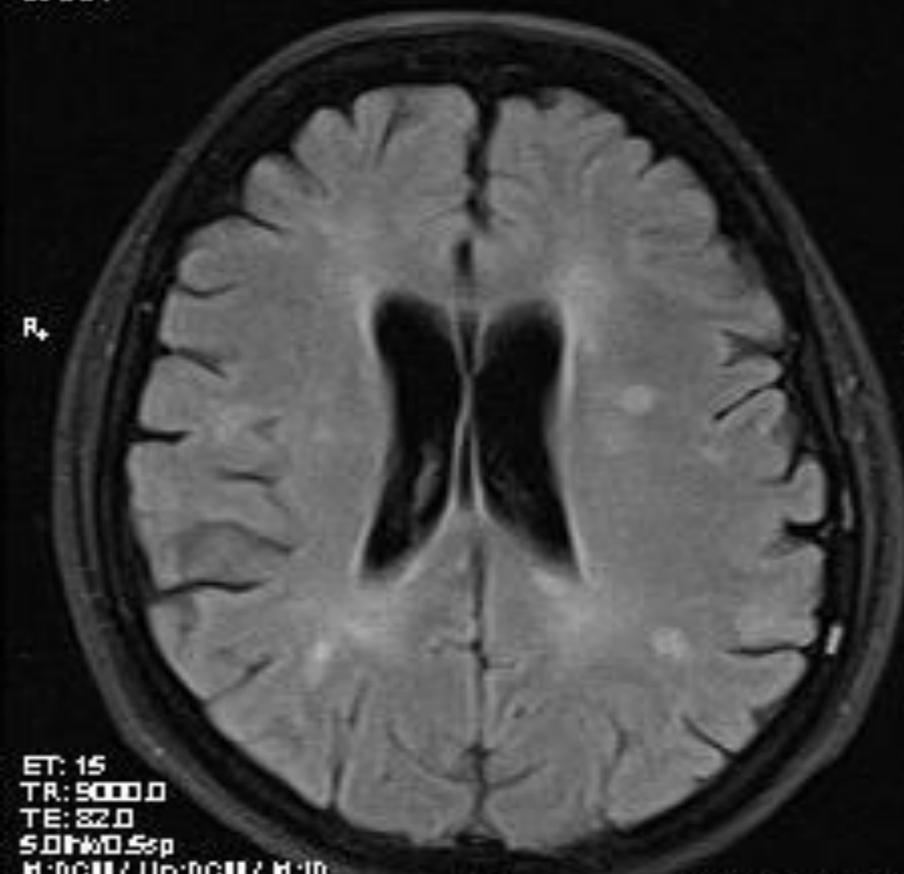
R<sub>H</sub>

AV Klinik  
Sep 18 1979 F 005+18  
Acc:  
2015 Dec 09  
Acq Tm: 08:43:40.312496

320 x 190

Mag: 1.0x  
LOSSY

Mag: 1.0x  
LOSSY





# Рассеянный склероз

1.5T MRC23352      H<sub>r</sub>      AV KI 1.5T MRC23352      H<sub>r</sub>      AV Klinik

Ex: 1      [REDACTED]      Ex: 1      [REDACTED]

t2\_tirm\_sag\_dark-fluid[SD]      Sep 18 1979 F 005      t2\_tirm\_sag\_dark-fluid[SD]      Sep 18 1979 F 005418

C:      A C:      Acc:

Se: 12/12      2015 Dec      Se: 12/12      2015 Dec 09

Im: 10/27      Acq Tm: 08:53:51.515      Im: 19/27      Acq Tm: 08:53:47.867519

Sag: R23.1 (COI)      320 x 1      Sag: L16.5 (COI)      320 x 256

Mag: 1.0x      LOSSY      Mag: 1.0x      LOSSY

A<sub>L</sub>      A<sub>L</sub>      P<sub>R</sub>

ET: 9      ET: 9

TR: 9020.0      TR: 9020.0

TE: 84.0      TE: 84.0

4.0thk/0.4sp      4.0thk/0.4sp

Id:DCM / Lin:DCM / Id:ID      Id:DCM / Lin:DCM / Id:ID

Algo1 W:918 L:433      F<sub>L</sub>      DFOV: 26.0 x 26.0cm      Algo1 W:895 L:416      F<sub>L</sub>      DFOV: 26.0 x 26.0cm

1.5T MRC23352      H<sub>r</sub>      AV KI 1.5T MRC23352      H<sub>r</sub>      AV Klinik

Ex: 1      [REDACTED]      Ex: 1      [REDACTED]

t2\_tirm\_sag\_dark-fluid[SD]      Sep 18 1979 F 005      t2\_tirm\_sag\_dark-fluid[SD]      Sep 18 1979 F 005418

C:      A C:      Acc:

Se: 12/12      2015 Dec      Se: 12/12      2015 Dec 09

Im: 10/27      Acq Tm: 08:53:51.515      Im: 19/27      Acq Tm: 08:53:47.867519

Sag: R23.1 (COI)      320 x 1      Sag: L16.5 (COI)      320 x 256

Mag: 1.0x      LOSSY      Mag: 1.0x      LOSSY

A<sub>L</sub>      A<sub>L</sub>      P<sub>R</sub>

ET: 9      ET: 9

TR: 9020.0      TR: 9020.0

TE: 84.0      TE: 84.0

4.0thk/0.4sp      4.0thk/0.4sp

Id:DCM / Lin:DCM / Id:ID      Id:DCM / Lin:DCM / Id:ID

Algo1 W:918 L:433      F<sub>L</sub>      DFOV: 26.0 x 26.0cm      Algo1 W:895 L:416      F<sub>L</sub>      DFOV: 26.0 x 26.0cm



# Артерии головного мозга

1.5T MRC23352

H<sub>a</sub>

AV K 1.5T MRC23352

H<sub>a</sub>

AV Klinik

Ex: 1

Ex: 1

<MIP Range[1]>

Dec 16 1976 M 005 <MIP Range[1]>

Dec 16 1976 M 005712

C:

A C:

Acc:

Se: 6/6

2016 Jan Se: 6/6

2016 Jan 12

Im: 4/19

Acq Tm: 14:14:53.915 Im: 7/19

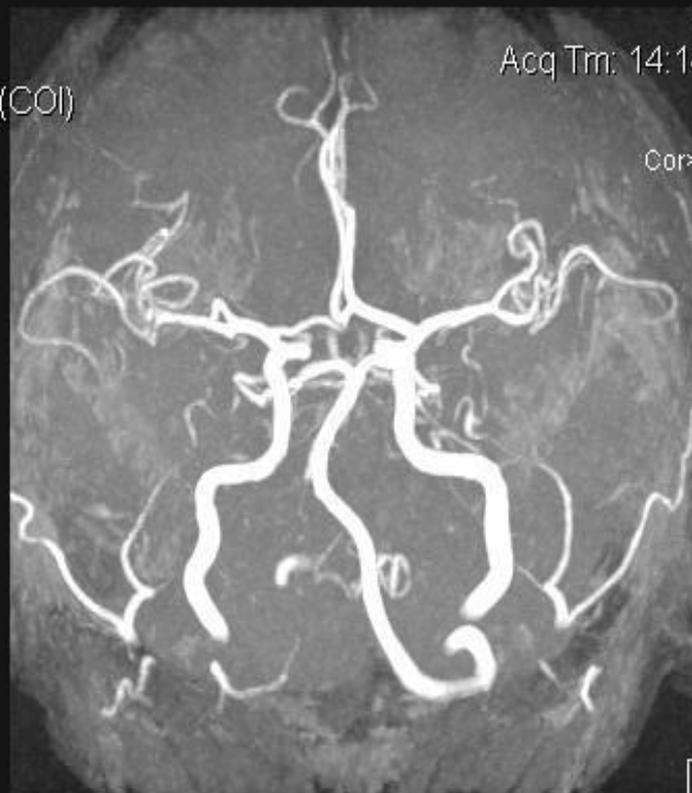
Acq Tm: 14:14:53.915020

Cor: A19.3 (COI)

Cor: A19.2 (COI)

Mag: 1.0x

Mag: 1.0x



R<sub>p</sub>

R<sub>p</sub>

L<sub>a</sub>

ET: 1

ET: 1

TR: 30.0

TR: 30.0

TE: 7.2

TE: 7.2

0.0thk/23.4sp

0.0thk/23.4sp

Id:DCM / Lin:DCM / Id:ID

Id:DCM / Lin:DCM / Id:ID

WINDOW1 W:312 L:131

WINDOW1 W:312 L:131

F<sub>p</sub>

DFOV: 23.0 x 23.0cm

F<sub>p</sub>

DFOV: 23.0 x 23.0cm





# Сосуды шеи

1.5T MRC23352  
 Ex: 2  
 <MIP Range[1]>  
 C:  
 Se: 5003/15  
 Im: 1/20  
 Cor: P13.4 (COI)  
 Mag: 1.0x



R<sub>f</sub>

ET: 1  
 TR: 26.0  
 TE: 7.2  
 0.0thk/2.0sp  
 Id:DCM / Lin:DCM / Id:ID  
 W:429 L:208

F<sub>p</sub>

AV 1.5T MRC23352  
 Ex: 2  
 Sep 20 1989 F 01 <MIP Range[1]>\_FIL\_1  
 C:  
 2016 F Se: 5005/15  
 Acq Tm: 09:06:49.9 Im: 1/20  
 Cor: P13.4 (COI)  
 256  
 Cur  
 Mag: 1.0x



DFOV: 25.8 x 2



R<sub>f</sub>

ET: 1  
 TR: 26.0  
 TE: 7.2  
 0.0thk/2.0sp  
 Id:DCM / Lin:DCM / Id:ID  
 W:1330 L:463

F<sub>p</sub>

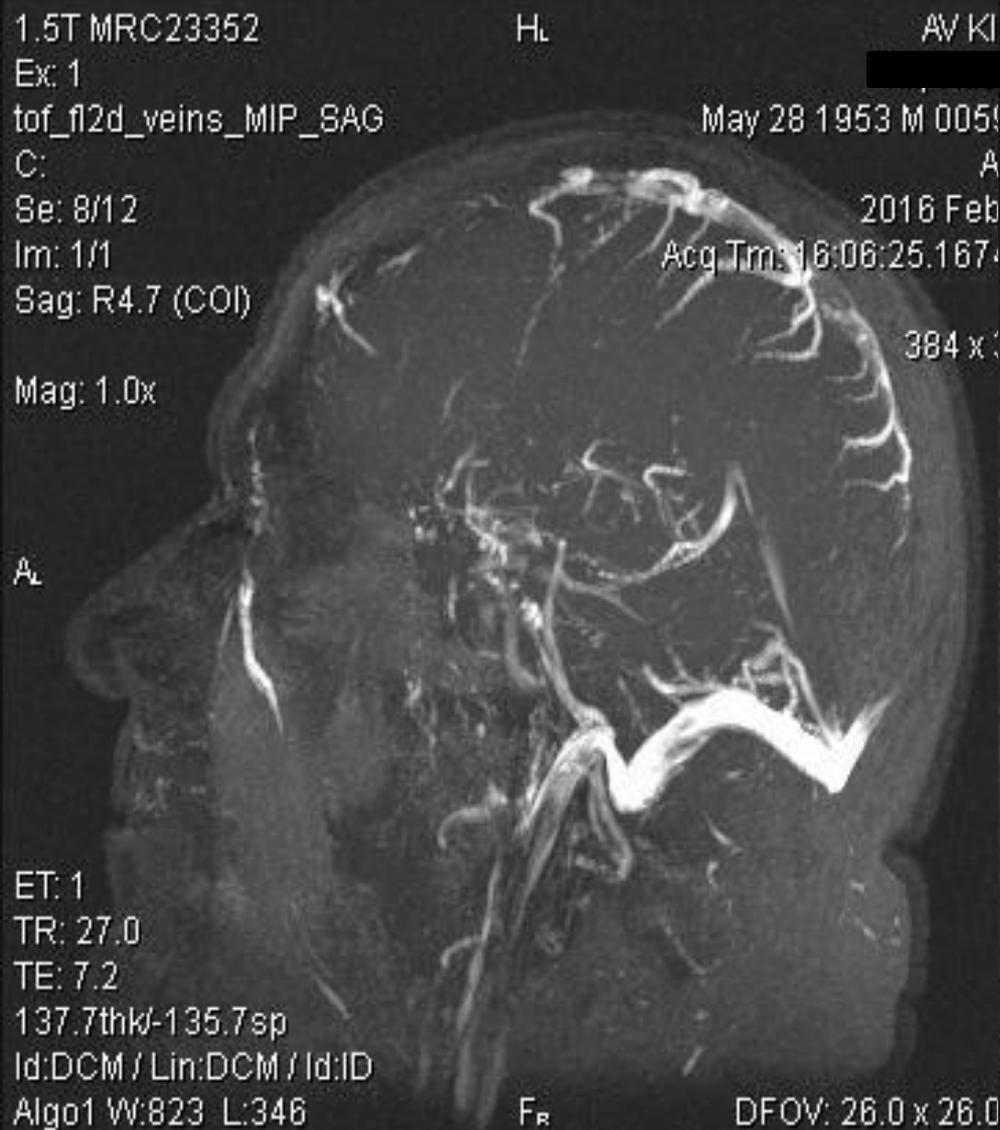
AV Klinik  
 Sep 20 1989 F 006066  
 Acc:  
 2016 Feb 16  
 Acq Tm: 09:06:49.904999  
 256 x 164  
 Cur  
 Mag: 1.0x



DFOV: 25.8 x 25.8cm

L<sub>f</sub>

# Вены и венозные синусы ГОЛОВНОГО МОЗГА





# Гайморит. Киста в пазухе.

1.5T MRC23352  
Ex: 1  
t2\_tse\_sag  
C:  
Se: 5/8  
Im: 4/20  
Sag: R19.9 (COI)  
Mag: 1.0x

H<sub>R</sub>

I.A., [  
Oct 22 1970 M

201  
Acq Tm: 12:04:36

1.5T MRC23352  
Ex: 1  
t2\_tse\_tra  
C:  
Se: 3/8  
Im: 5/26  
Ax: F47.8 (COI)  
Mag: 1.0x

A<sub>H</sub>

Acq Tm: 12:00:46.904996

320 x 205

A<sub>R</sub>

R<sub>H</sub>

L<sub>F</sub>

ET: 11  
TR: 4190.0  
TE: 105.0  
4.0thk/0.0sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:907 L:415

F<sub>L</sub>

DFOV: 26.0

ET: 11  
TR: 5390.0  
TE: 105.0  
5.0thk/0.5sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:1103 L:516

P<sub>F</sub>

DFOV: 19.2 x 24.0cm

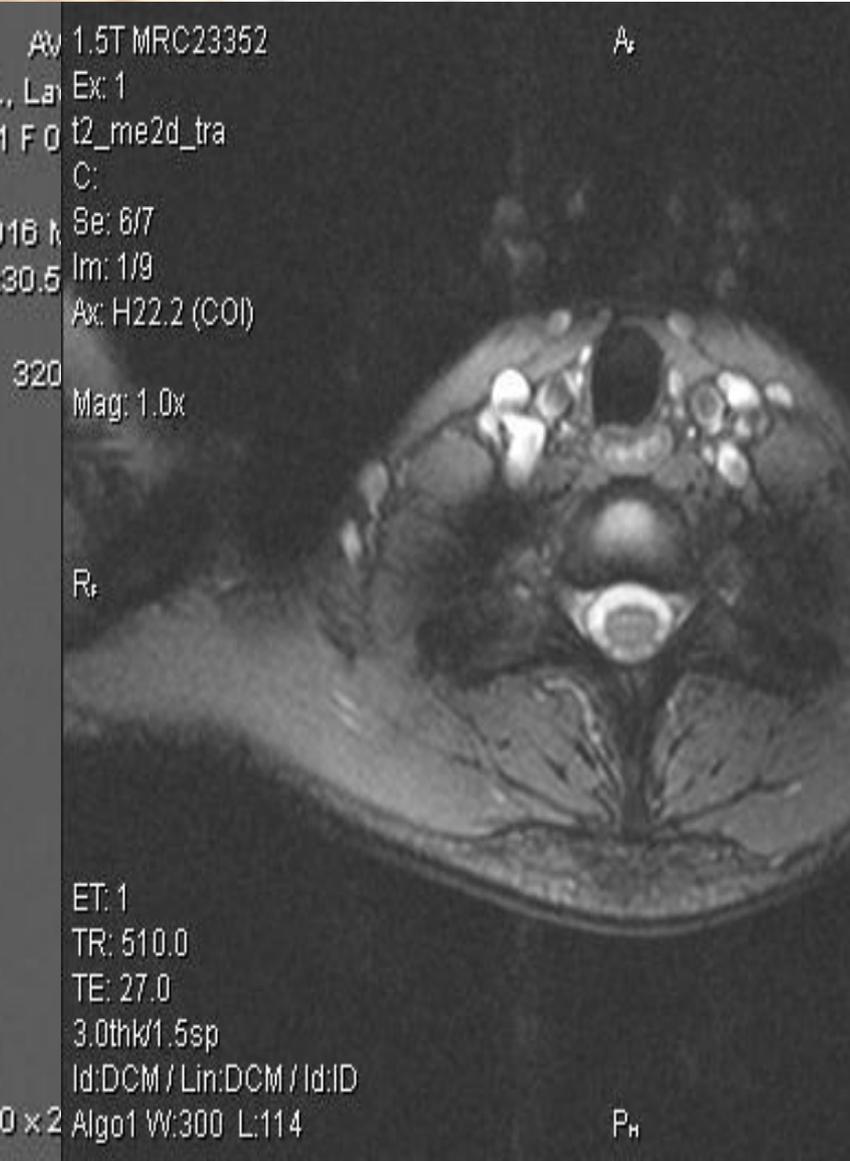
# Нормальная МР анатомия шеи



1.5T MRC23352  
Ex: 1  
t2\_tse\_sag  
C:  
Se: 2/7  
Im: 6/13  
Sag: R3.3 (COI)  
Mag: 1.0x

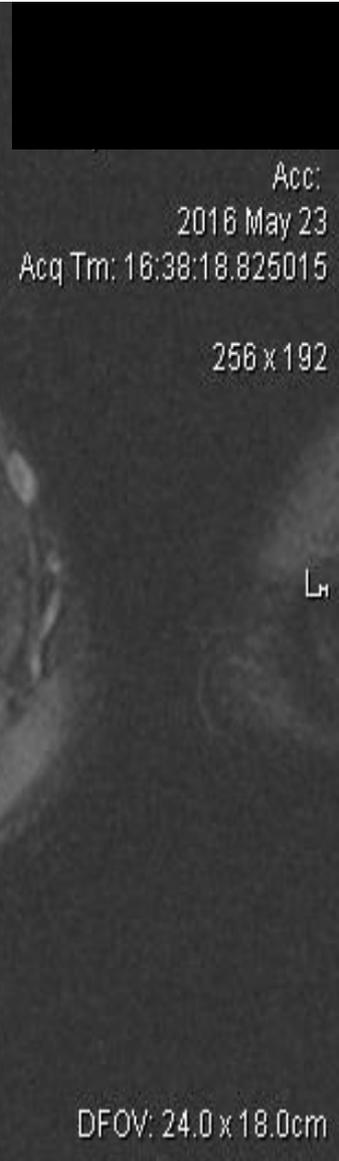
ET: 27  
TR: 4000.0  
TE: 126.0  
3.0thk/0.3sp  
Id:DCM / Lin:DCM / Id:ID  
W:725 L:115

May 31 1991 F 0  
2016 M  
Acq Tm: 16:28:30.5



1.5T MRC23352  
Ex: 1  
t2\_me2d\_tra  
C:  
Se: 6/7  
Im: 1/9  
Ax: H22.2 (COI)  
Mag: 1.0x

ET: 1  
TR: 510.0  
TE: 27.0  
3.0thk/1.5sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:300 L:114



Acc:  
2016 May 23  
Acq Tm: 16:38:18.825015  
256 x 192

DFOV: 24.0 x 18.0cm



# Экстрamedулярное образование шеи

1.5T MRC23352  
Ex: 1  
t2\_tse\_fs\_sag  
C:  
Se: 4/6  
Im: 9/12  
Sag: L11.0  
Mag: 1.0x  
LOSSY

H

AV 1.5T MRC23352  
Ex: 1  
Aug 17 1939 F 00  
t2\_tse COR  
C:  
2015 F Se: 6/6  
Acq Tm: 11:56:07.15  
Im: 8/12  
Cor: P5.5 (COI)  
256  
Mag: 1.0x  
LOSSY

H<sub>a</sub>

AV Klinik  
Ex: 1  
Aug 17 1939 F 002455  
Acc:  
2015 Feb 10  
Acq Tm: 12:00:43.802498  
256 x 256

L<sub>p</sub>

A

R<sub>a</sub>

ET: 25  
TR: 4000.0  
TE: 119.0  
4.0thk/0.4sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:326 L:353

F

DFOV: 20.0 x 20.0

ET: 25  
TR: 4000.0  
TE: 119.0  
4.0thk/0.4sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:595 L:208

F<sub>p</sub>

DFOV: 18.8 x 18.8cm



# Нормальная МР анатомия пояснично-крестцового отдела позвоночника



1.5T MRC23352  
Ex: 1  
t2\_tse\_sag  
C:  
Se: 2/7  
Im: 6/13  
Sag: L2.1 (COI)

Mag: 1.0x

AL

ET: 25  
TR: 4030.0  
TE: 116.0  
3.0thk/0.3sp  
Id:DCM / Lin:DCM / Id:ID  
W:957 L:137

Hk AV  
K.L., Skdy  
Apr 08 1992 M 00  
2016 J  
Acq Tm: 12:40:56.56  
320

FL DFOV: 23.0 x 23

15THRC2159  
D:1  
M:JUL0801  
C:  
S:107  
W:1016  
W:1511001  
H:116

R1

T2T  
R15526  
T11276  
15752sp  
SUSCIN/DCM120  
1551161

64768  
K.L. Skdy  
Apr 08 1992 M 00  
2016 J  
Acq Tm: 12:56:16.19991  
320 x 17

DFOV: 12.0 x 12.0



# МРТ позвоночника

## Грыжа диска L3-L4

1.5T MRC23352  
Ex: 2  
t2\_tse\_fs\_sag  
C:  
Se: 5/7  
Im: 6/11  
Sag: L7.5 (COI)  
Mag: 1.0x

H<sub>F</sub>

AV Klinik

1.5T MRC23352

AV Klinik

Jul 01 1949 F 005592

Ex: 2

Jul 01 1949 F 005592

Acc:

Acc:

2015 Dec 23

2015 Dec 23

Acq Tm: 15:52:47.292497

C:

Acq Tm: 15:55:01.777504

Se: 5/7

Im: 10/16

Ax: F43.6 (COI)

256 x 256

Mag: 1.0x

512 x 128

A<sub>H</sub>

P<sub>F</sub>

R<sub>w</sub>

L

ET: 27  
TR: 3400.0  
TE: 119.0  
3.0thk/0.3sp  
Id:DCM / Lin:DCM / Id:ID  
W:308 L:110

F<sub>A</sub>

DFOV: 28.0 x 28.0cm

ET: 21

TR: 5300.0

TE: 120.0

3.0thk/0.3sp

KIDCM / Lin:DCM / KID

W:128 L:128

P

DFOV: 28.0 x 14.0cm



# Грыжа диска L5-S1



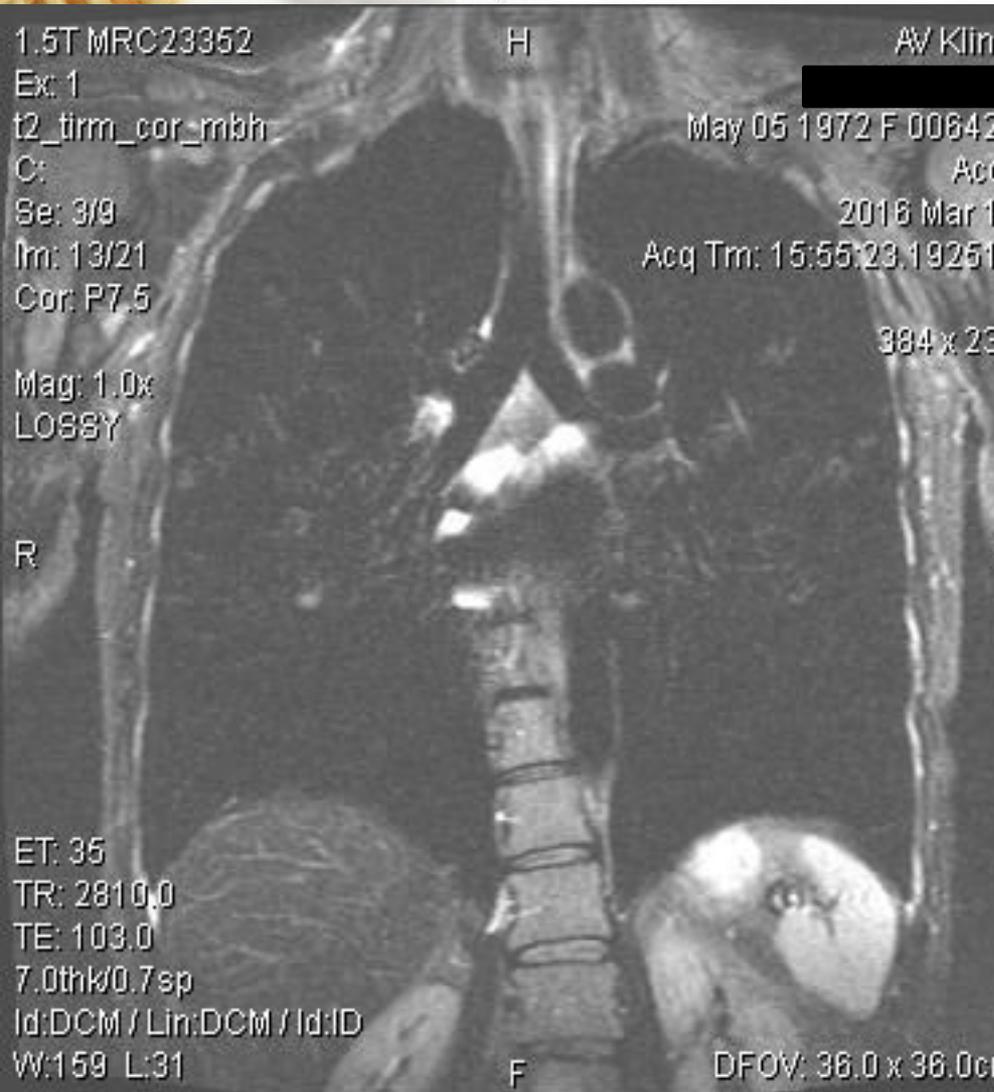


# Периневральная киста.





# Органы средостения



# Нормальная анатомия органов брюшной полости

1.5T MRC23352  
Ex: 1  
T2 cor abdomen  
C:  
Se: 3/14  
Im: 9/25  
Cor: A52.7 (COI)

Mag: 1.0x

R<sub>p</sub>

ET: 256  
TR: 1100.0  
TE: 62.0  
6.0thk/1.8sp  
Id:DCM / Lin:DCM / Id:ID  
W:666 L:215

H<sub>p</sub>

1.5T MRC23352  
G.N. Ex: 1  
Jul 05 1989 M  
T2 tra abdomen  
C:  
Se: 6/14  
Im: 16/31  
Acq Tm: 17:25:41  
2 Ax: H70.4

Mag: 1.0x

R

ET: 256  
TR: 1000.0  
TE: 62.0  
6.0thk/0.6sp  
Id:DCM / Lin:DCM / Id:ID

DFOV: 40.0 > W:795 L:213

A

Acc:  
2018 Jul 07  
Acq Tm: 17:31:34.437495

256 x 192

L

DFOV: 40.0 x 30.0cm

P

# Нормальная анатомия органов брюшной полости и забрюшинного пространства





# ЖКБ. Киста левой доли печени.

1.5T MRC23352

A

AV Klinik

Ex: 1

t2\_haste\_tra\_mbh

Apr 30 1961 F 005648

C:

Acc:

Se: 4/13

2016 Jan 04

Im: 15/30

Acq Tm: 09:51:40.702514

Ax: H17.3

256 x 216

Mag: 1.0x

R

L

ET: 256

TR: 1000.0

TE: 63.0

1.5T MRC23352

B

AV Klinik

Ex: 1

t2\_haste\_tra\_mbh

Apr 30 1961 F 005648

C:

Acc:

Se: 4/13

2016 Jan 04

Im: 15/30

Acq Tm: 09:51:40.702514

Ax: H17.3

256 x 216

Mag: 1.0x

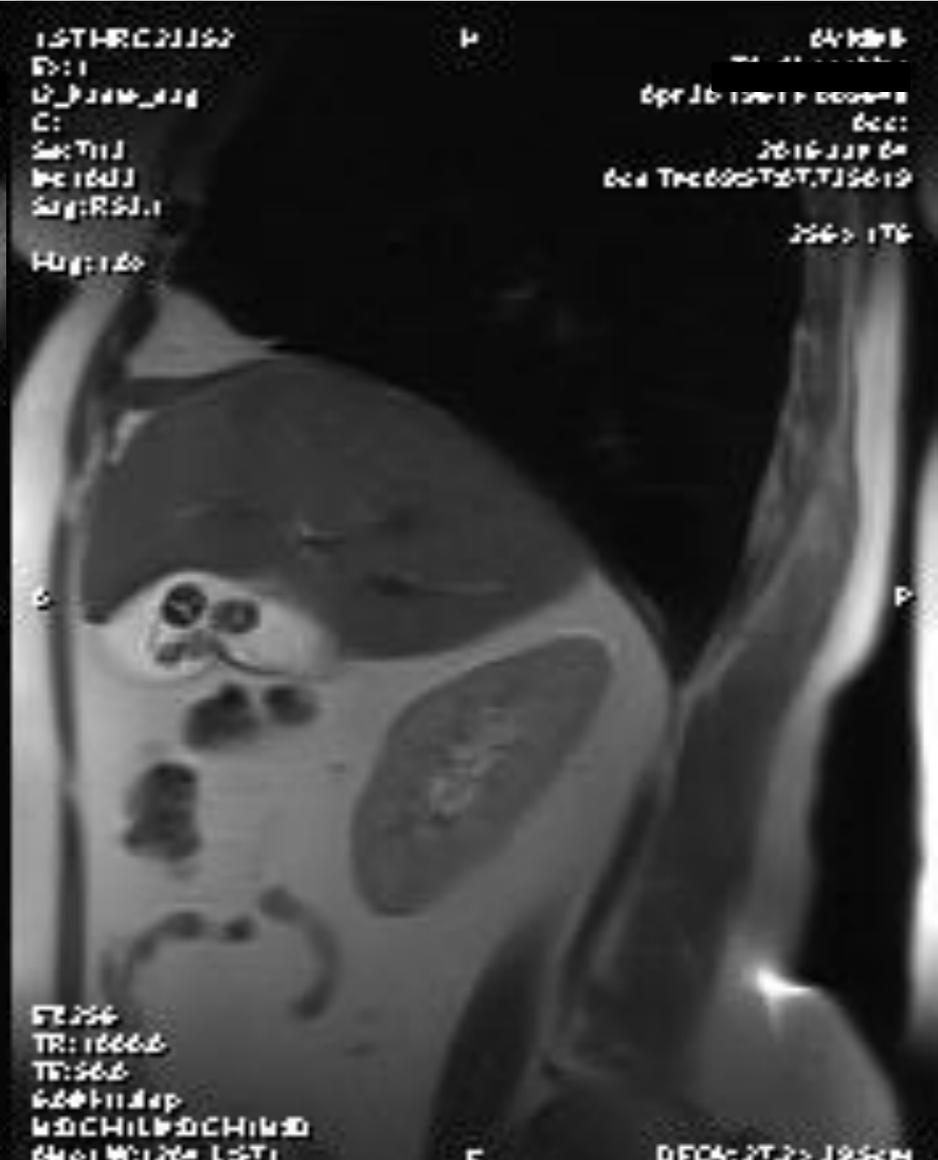
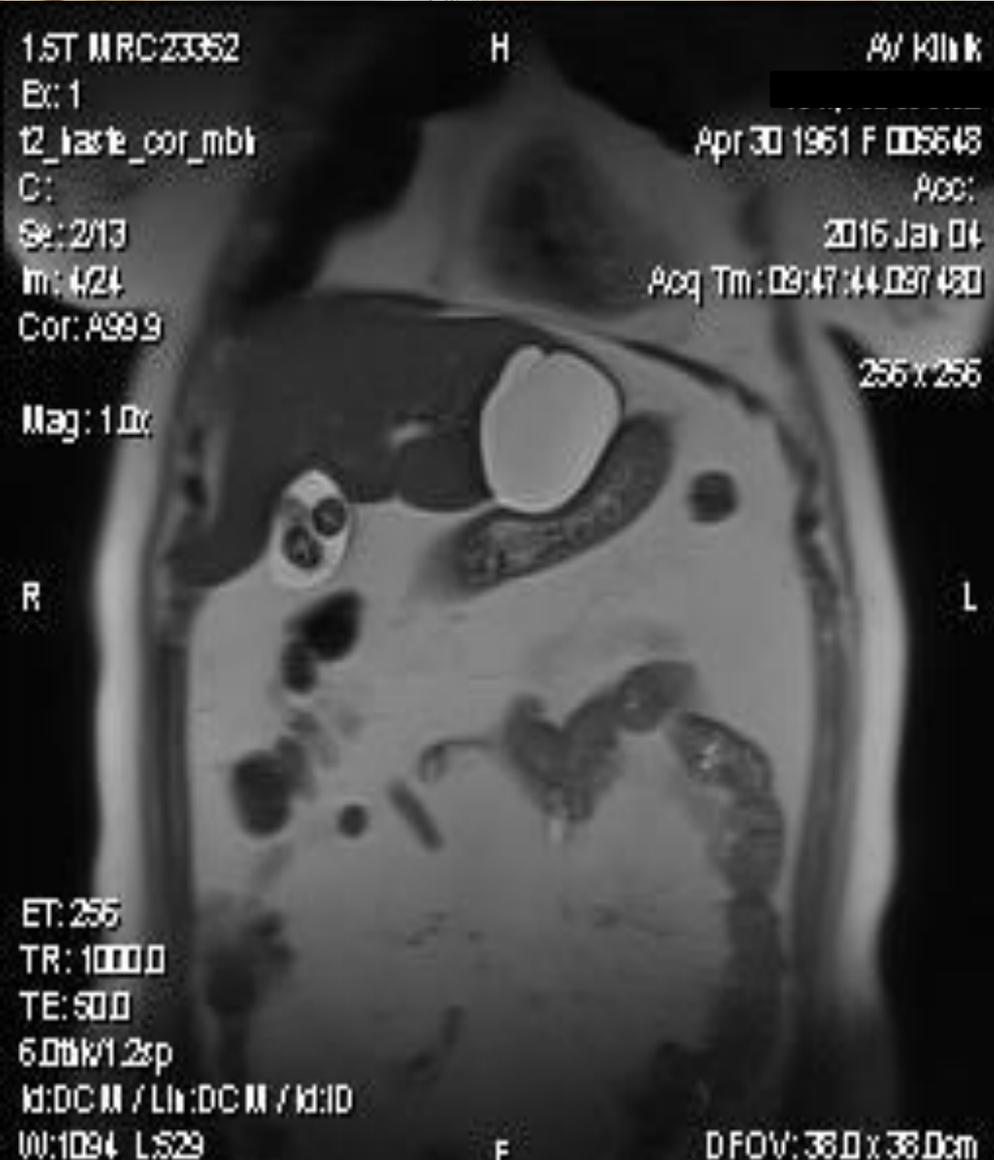
R

L

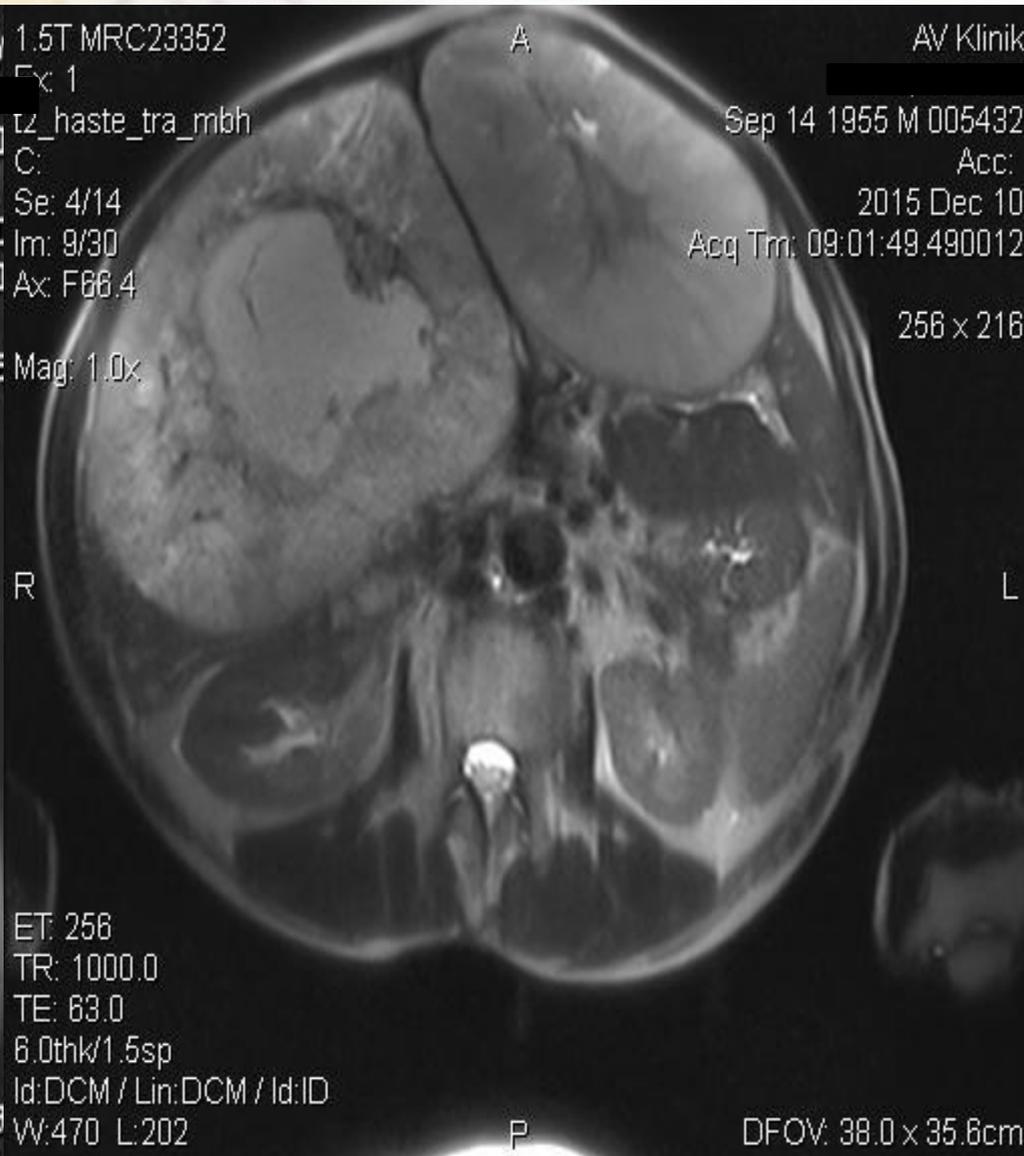
ET: 256



# ЖКБ. Киста левой доли печени.

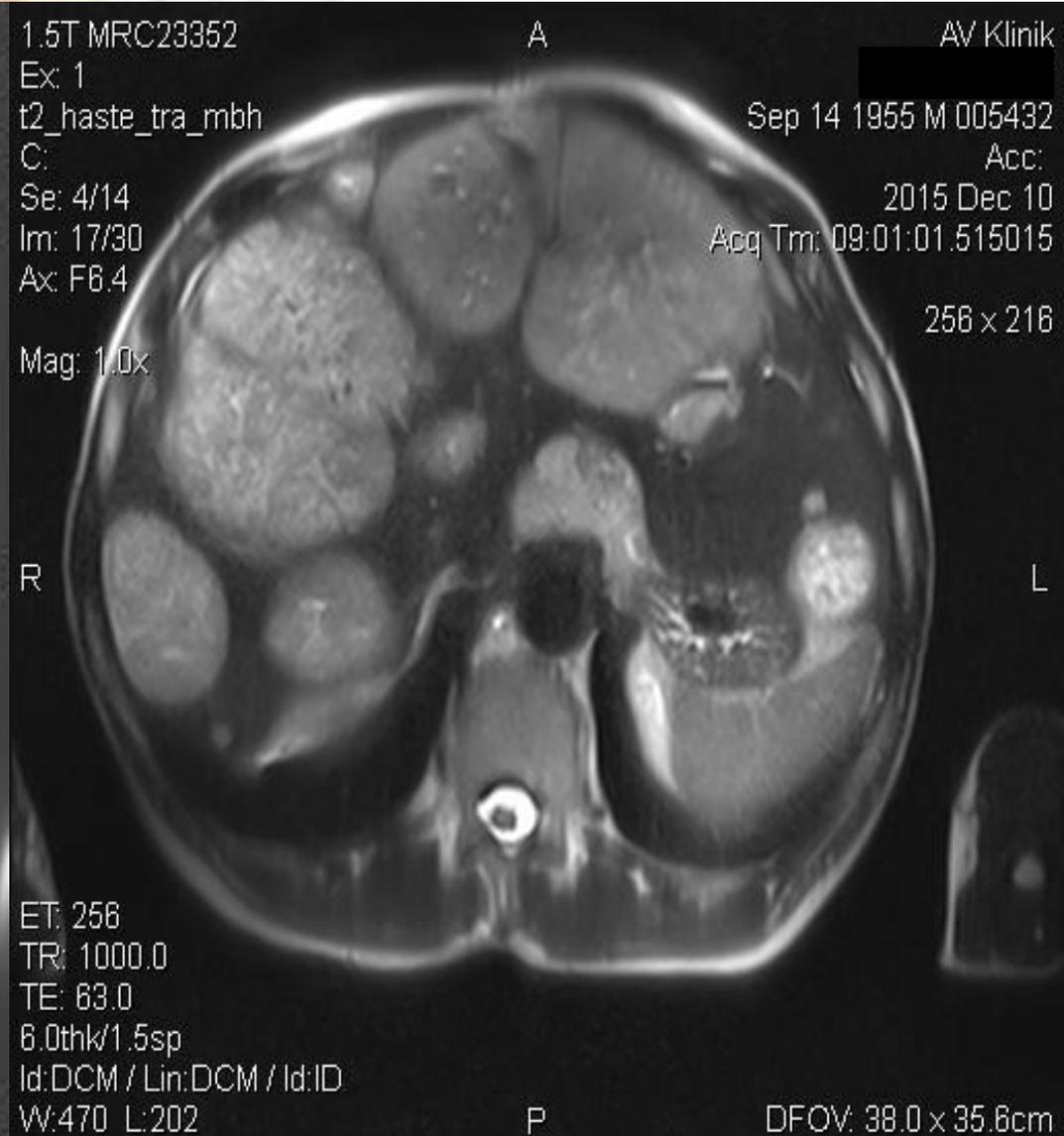


# Кистозные образования печени (MTS рака желудка)





# Кистозные образования печени (MTS)



# Опухоль печени

1.5T MRC23352  
Ex: 1  
T2 cor abdomen  
C:  
Se: 3/12  
Im: 15/25  
Cor: A20.3 (COI)  
Mag: 1.0x

H<sub>A</sub>

A 1.5T MRC23352  
V.P., Ex: 1  
Nov 06 1949 M  
T2 tra abdomen  
C:  
Se: 6/12  
Im: 18/31  
Acq Tm: 14:55:24  
25 Ac: H61.7

Mag: 1.0x

R<sub>A</sub>

ET: 256  
TR: 1100.0  
TE: 62.0  
6.0thk/1.8sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:527 L:233

F<sub>P</sub>

DFOV: 40.0 x

ET: 256  
TR: 1000.0  
TE: 62.0  
6.2thk/0.6sp  
Id:DCM / Lin:DCM / Id:ID  
W:621 L:204

R

A

Nov 06 1949 M 006897  
Acc:  
2016 May 02  
Acq Tm: 15:03:28.572486

256 x 192

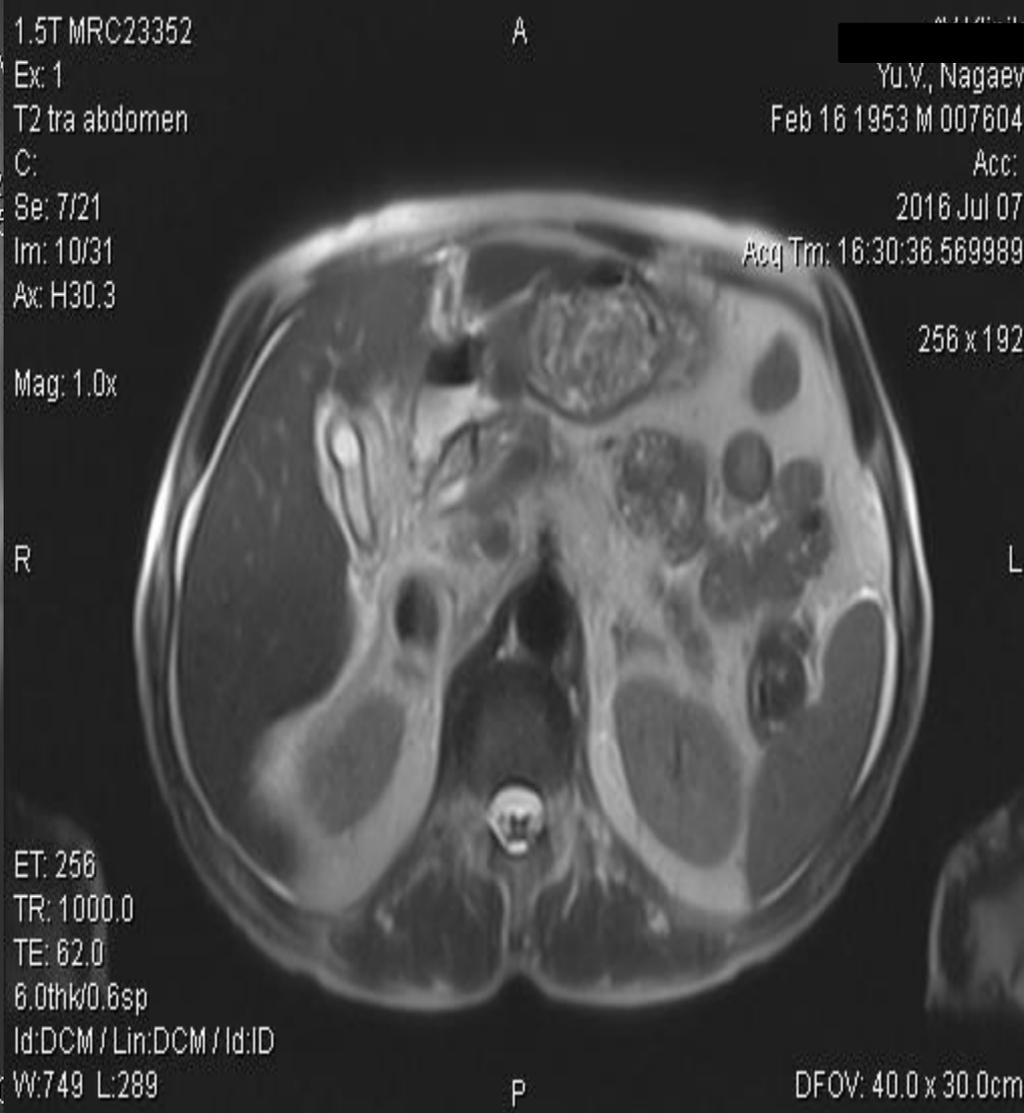
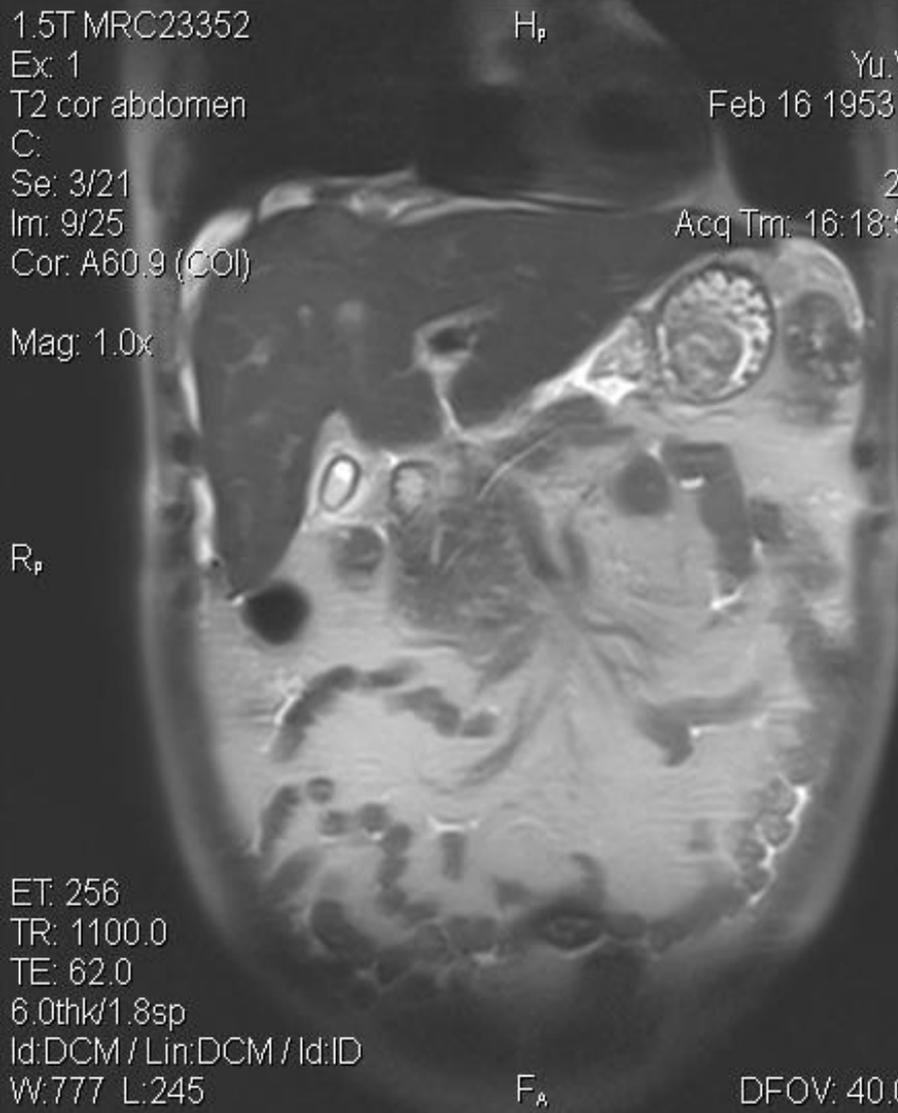
P

DFOV: 40.0 x 30.0cm

L

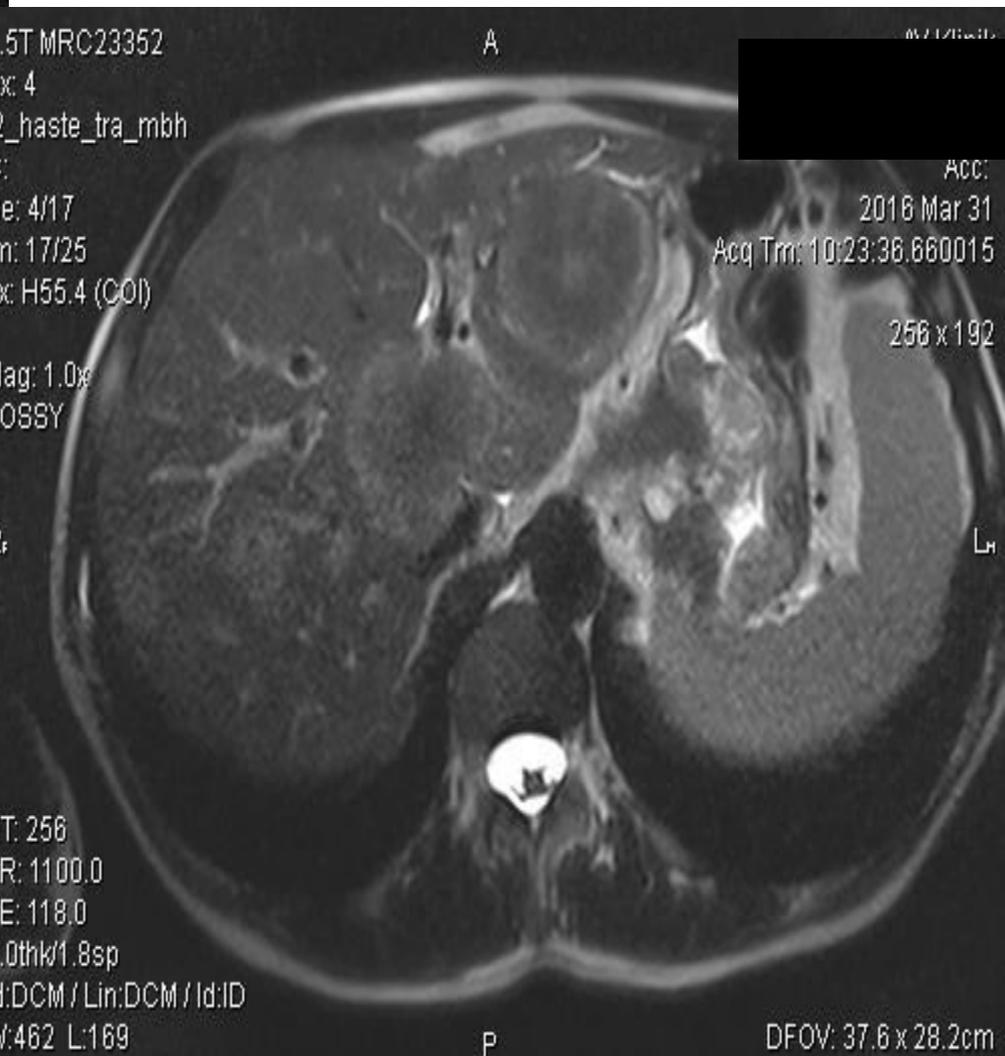


# Опухоль желчного пузыря





# Рак желудка





# Метастазы в парааортальные лимфоузлы



1.5T MRC23352  
Ex: 1  
t2\_trufi\_fs\_cor\_bh  
C:  
Se: 12/21  
Im: 15/23  
Cor: A24.0  
Mag: 1.0x

ET: 1  
TR: 4.5  
TE: 2.3  
5.0thk/1.0sp  
Id:DCM / Lin:DCM / Id:ID  
Alg1 W:708 L:318



1.5T MRC23352  
Ex: 1  
t2\_trufi\_fs\_cor\_bh  
C:  
Se: 12/21  
Im: 15/23  
Cor: A24.0  
Mag: 1.0x

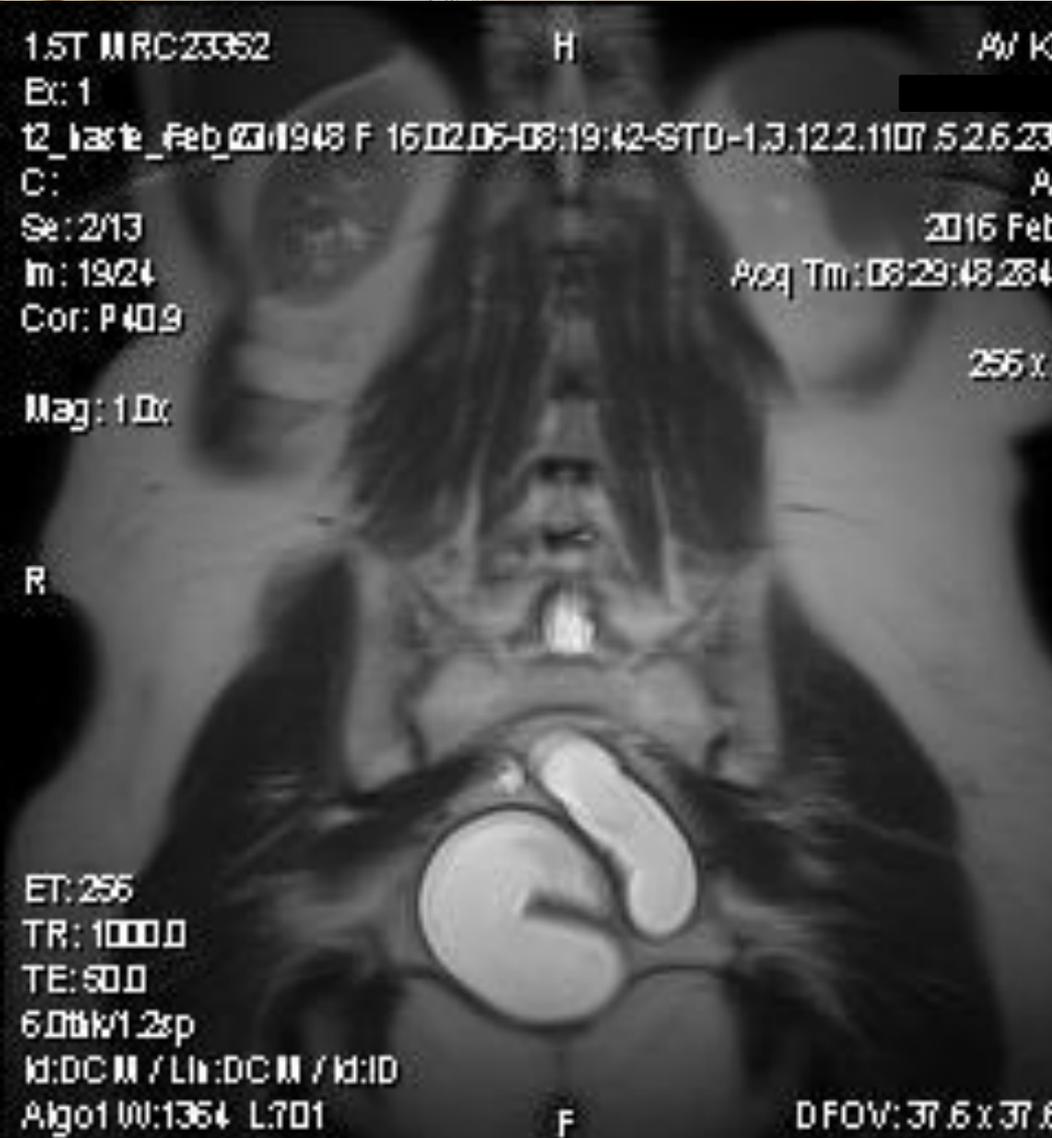
ET: 1  
TR: 4.5  
TE: 2.3  
5.0thk/1.0sp  
Id:DCM / Lin:DCM / Id:ID  
Alg1 W:708 L:318

AV Klinik  
Y  
Feb 16 1953 M 007604  
Acc:  
2016 Jul 07  
Acq Tm: 16:41:08.289998  
256 x 220

DFOV: 35.0 x 35.0cm



# Кишечник





# Кишечник

1.5T MRC23352  
Ex: 2  
t2\_trufi\_fs\_cor\_bh  
C:  
Se: 2/11  
Im: 1/17  
Cor: A43.2  
Mag: 1.0x



TR: 1266.6  
TE: 2.3  
5.0thk/1.0sp  
Id:DCM/Lin:DCM/Id:ID  
Algo1 W:786 L:366

1.5T MRC23352  
Ex: 2  
t2\_trufi\_fs\_cor\_bh  
C:  
Se: 2/11  
Im: 1/17  
Cor: A43.2

Mag: 1.0x

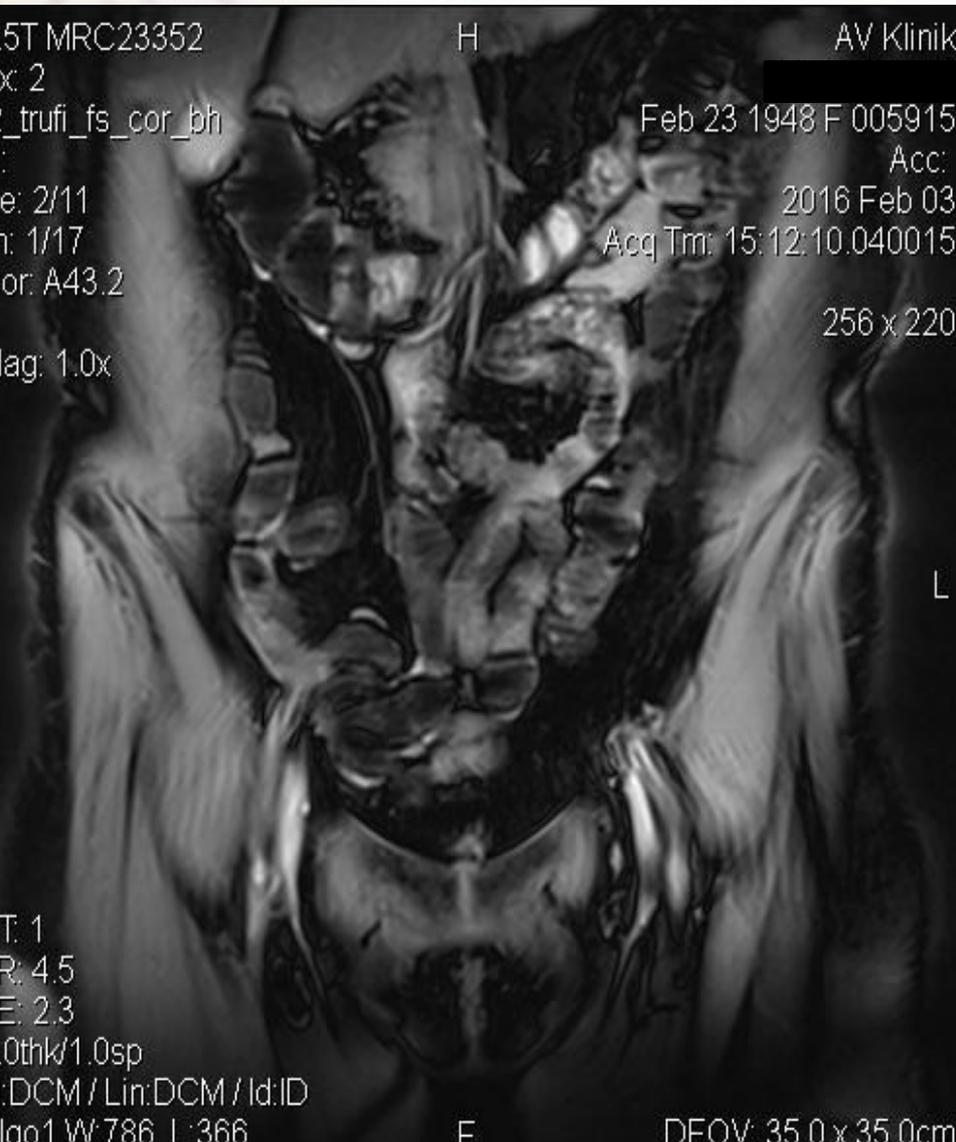
ET: 1  
TR: 4.5  
TE: 2.3  
5.0thk/1.0sp  
Id:DCM/Lin:DCM/Id:ID  
Algo1 W:786 L:366

H  
AV Klinik  
Feb 23 1948 F 005915  
Acc:  
2016 Feb 03  
Acq Trm: 15:12:10.040015

256 x 220

P R

L



DFOV: 35.0 x 35.0cm

# Тонкокишечная непроходимость.

## Вздутый желудок, петли тонкой кишки.

1.5T MRC23352  
Ex: 1  
T2 cor abdomen  
C:  
Se: 3/11  
Im: 3/25  
Cor: A111.4 (COI)  
Mag: 1.0x  
LOSSY

H<sub>A</sub>

Jun 08 1950 M 006  
2016 Ap  
Acq Tm: 09:16:50.497  
256 x

1.5T MRC23352  
Ex: 1  
T2 tra abdomen  
C:  
Se: 6/11  
Im: 6/31  
Ax: H3.1  
Mag: 1.0x  
LOSSY

A

Jul  
Acc:  
2016 Apr 14  
Acq Tm: 09:24:19.220007  
256 x 192

R<sub>A</sub>

R

L

ET: 256  
TR: 1100.0  
TE: 62.0  
6.0thk/1.8sp  
Id:DCM / Lin:DCM / Id:ID  
W:779 L:281

F<sub>p</sub>

DFOV: 40.0 x 40.0

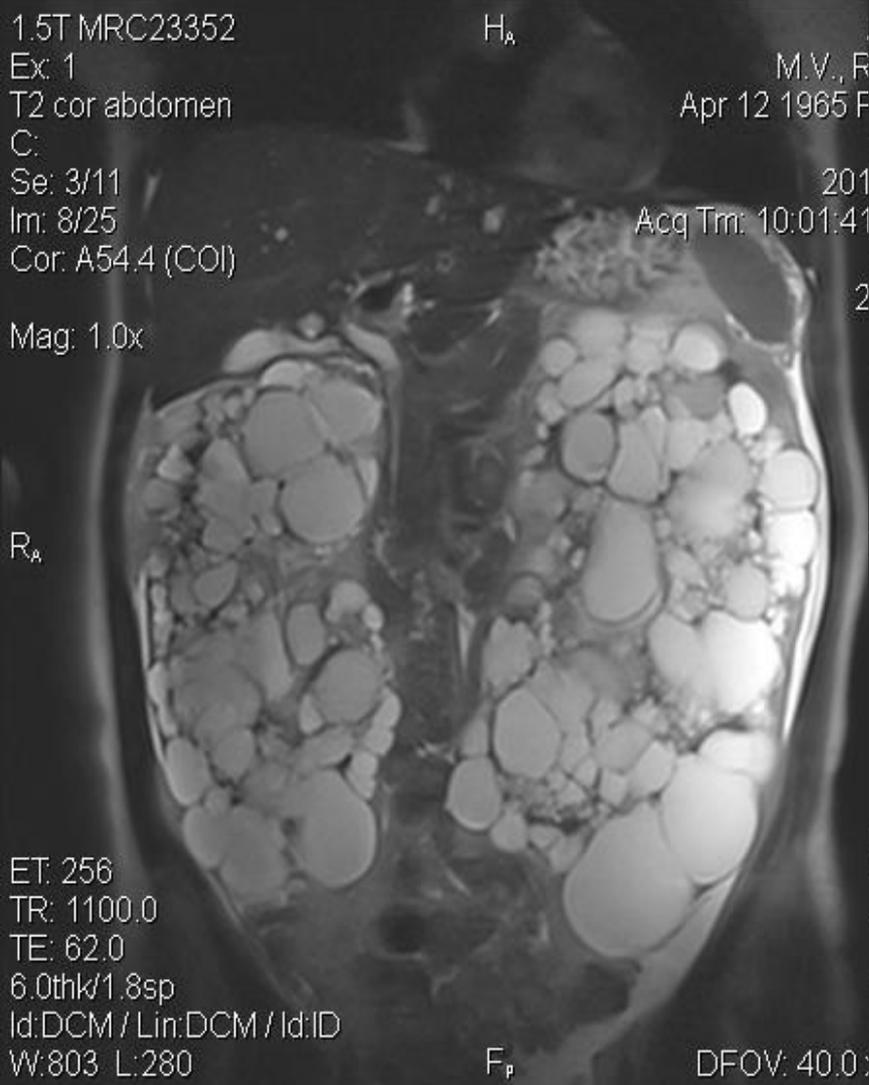
ET: 256  
TR: 1000.0  
TE: 62.0  
6.2thk/0.6sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:678 L:312

P

DFOV: 40.0 x 30.0cm

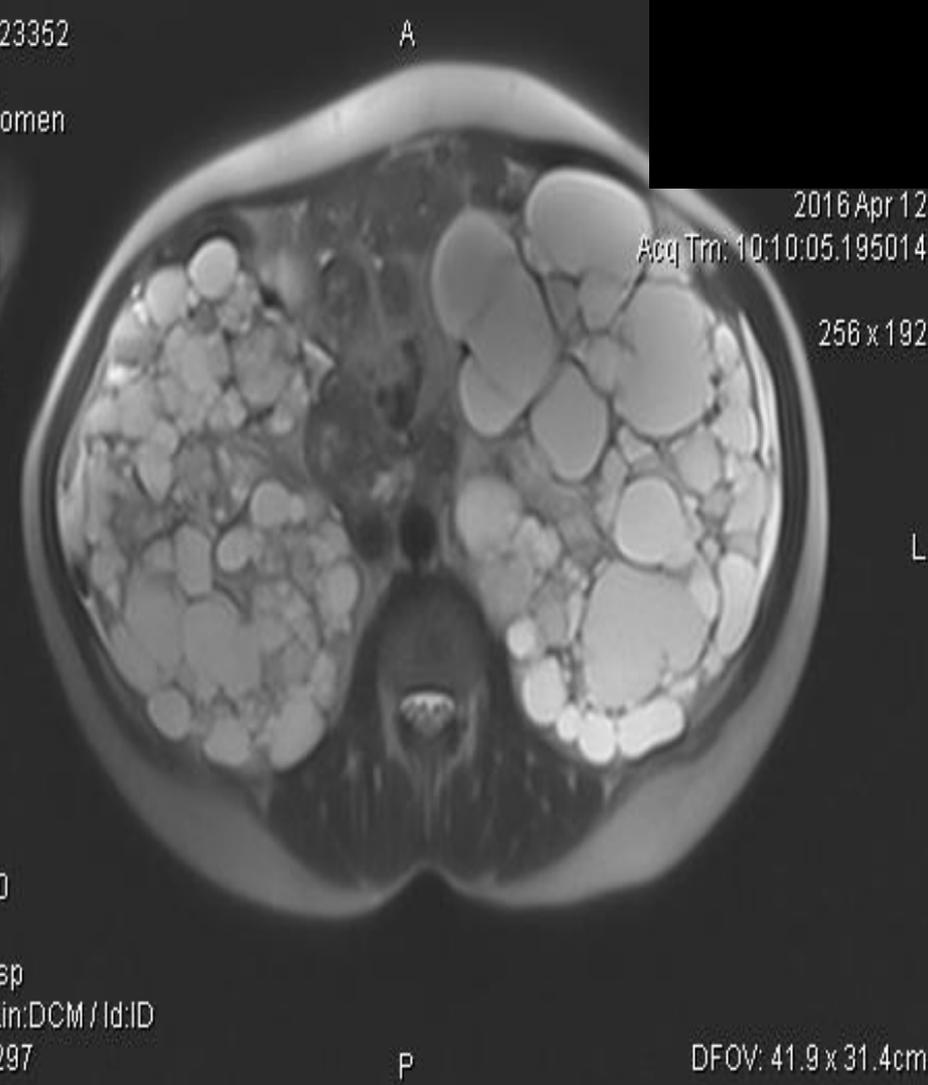


# Поликистоз почек.



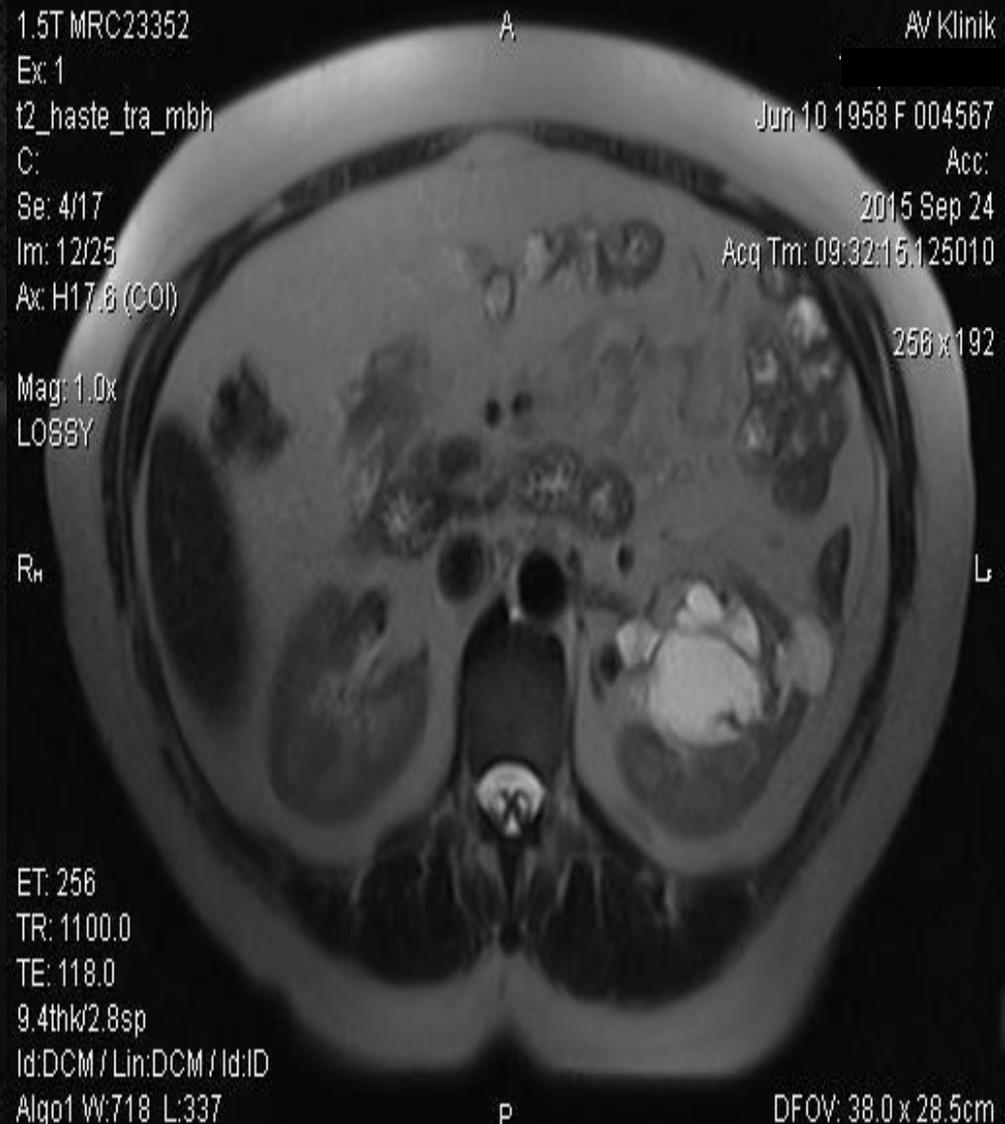
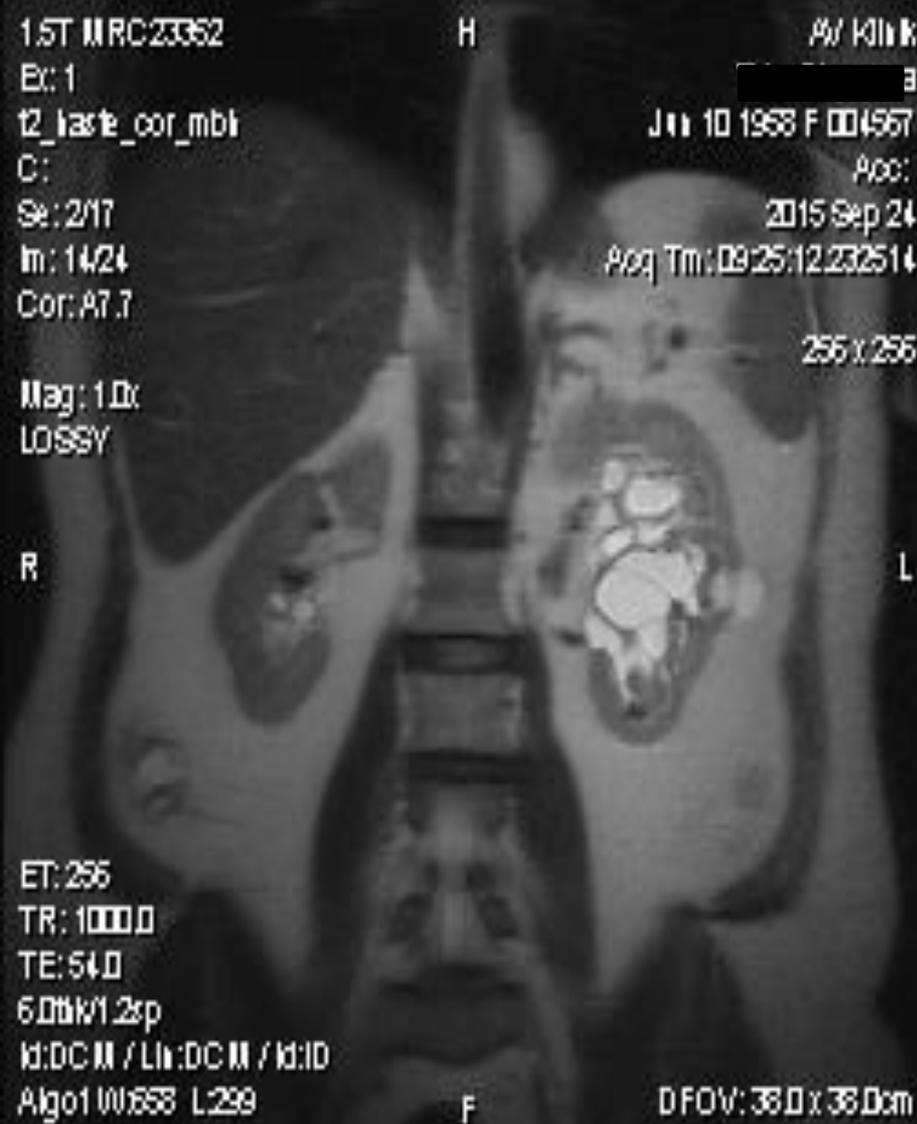
M.V., R  
Apr 12 1965 F  
201  
Se: 6/11  
Im: 5/31  
2 Ax: H0.2  
Mag: 1.0x

DFOV: 40.0 ; W:879 L:297





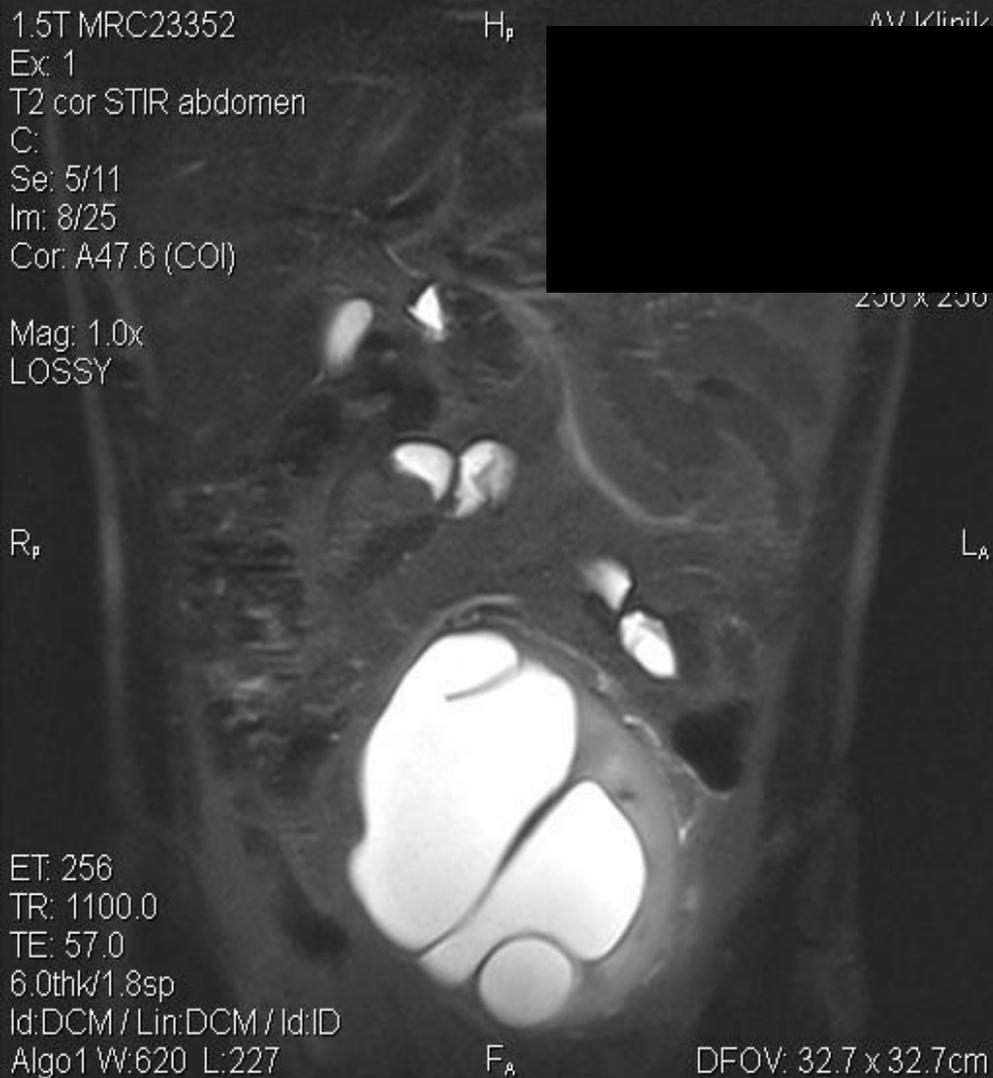
# Гидронефроз левой почки



# Аденома правого надпочечника



# Дистопия левой почки.





# Образование забрюшинного пространства

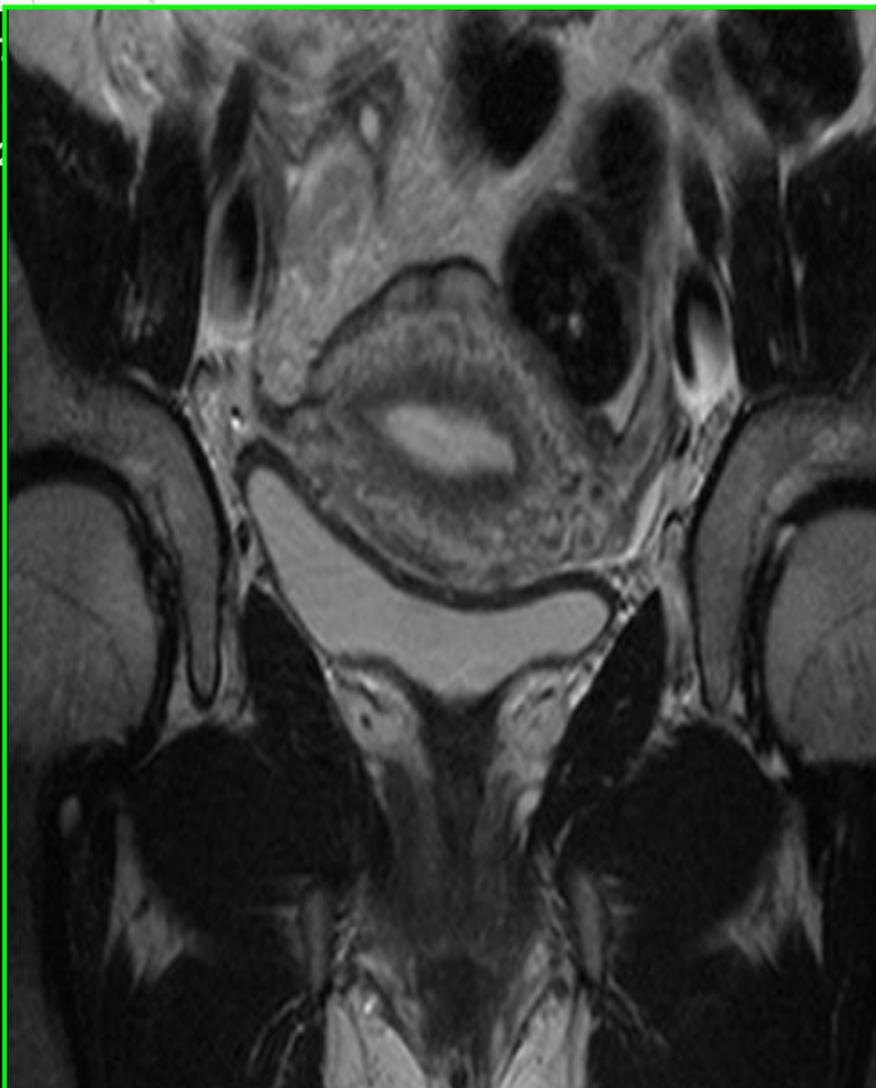
1.5T MRC23352  
 Ex: 1  
 t2\_tse\_cor  
 C:  
 Se: 4/9  
 Im: 2/16  
 Cor: A21.4 (COI)

H<sub>P</sub>

AV Klinik  
 N.I., Kiyashko  
 Apr 25 1945 F 006438  
 Acc:  
 2016 Mar 19  
 Acq Tm: 15:29:28.794993



# Нормальная анатомия органов женского малого таза





# Беременность I триместр



3.0T AWP60093  
R.R.  
8586  
Nov 14  
Apr 18  
35000  
x205  
P  
A  
ET: 19  
TR: 3480.0  
TE: 99.0

BARS MED Verio Tim+Dot  
GALIEVA, R.R.  
15 1978 F 00038586  
Acc:  
2016 Apr 18  
Acq Tm: 20:34:11.775000

640 x 480

BARS  
Nov 14  
Acq Tm

H<sub>n</sub>

H<sub>n</sub>

F<sub>L</sub>

DFOV

EN



# Рецидив рака матки

1.5T MRC23352

Ex: 2  
t2\_tse\_sag  
C:  
Se: 2/10  
Im: 14/30  
Sag: R17.8

Mag: 1.0x  
LOSSY

A

ET: 15  
TR: 6260.0  
TE: 114.0  
4.0thk/0.8sp  
Id:DCM / Lin:DCM / Id:ID  
W:1091 L:277

H

Jul 19 1950 F

2015  
Acq Tm: 13:29:33.

F

DFOV: 30.0 x

1.5T MRC23352

Ex: 2  
t2\_tse\_cor  
C:  
Se: 4/10  
Im: 14/30  
Cor: A25.5 (COI)

Mag: 1.0x  
LOSSY

R

ET: 15  
TR: 6260.0  
TE: 114.0  
4.0thk/0.8sp  
Id:DCM / Lin:DCM / Id:ID  
W:701 L:225

H<sub>A</sub>

Jul 19 1950 F 004724

Acc:  
2015 Oct 07  
Acq Tm: 13:35:21.234991

320 x 320

F<sub>P</sub>

DFOV: 30.0 x 30.0cm

AV Klinik

[Redacted]

# Кистозное образование правого яичника



# Кистозное образование правого яичника

1.5T MRC23352  
Ex: 1  
t2\_haste\_tra\_mbh  
C:  
Se: 4/12  
Im: 10/30  
Ax: H20.4

A

AV Klin 1.5T MRC23352

A<sub>r</sub>

AV Klinik

Mag: 1.0x

Aug 12 1938 F 00594  
t2\_tse\_tra  
Acc C:  
2016 Feb C Se: 6/8  
Acq Tm: 13:16:17.50749

256 x 21

Ex: 2

Acc C:

2016 Feb C Se: 6/8

Im: 10/25

Ax: F15.4 (COI)

256 x 21

Mag: 1.0x

Aug 12 1938 F 005940  
Acc:  
2016 Feb 05  
Acq Tm: 13:38:46.830013

320 x 240

R

R<sub>a</sub>

L<sub>r</sub>

ET: 256  
TR: 1000.0  
TE: 63.0  
6.0thk/1.5sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:656 L:297

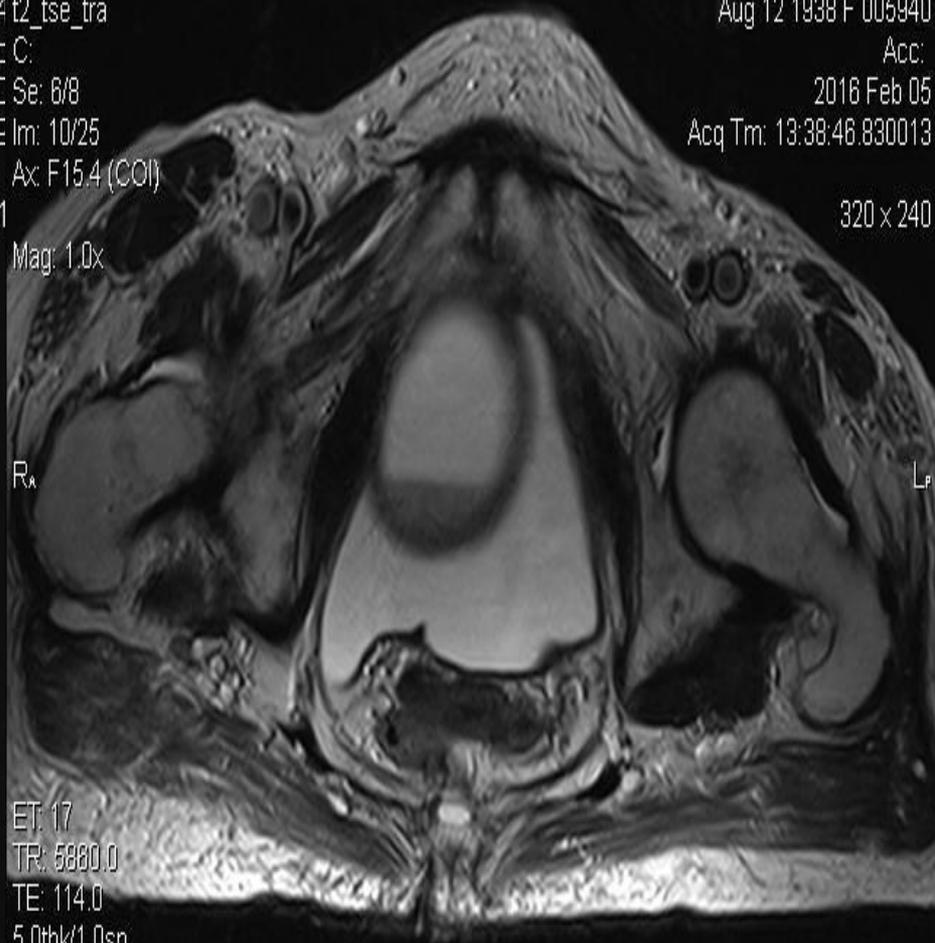
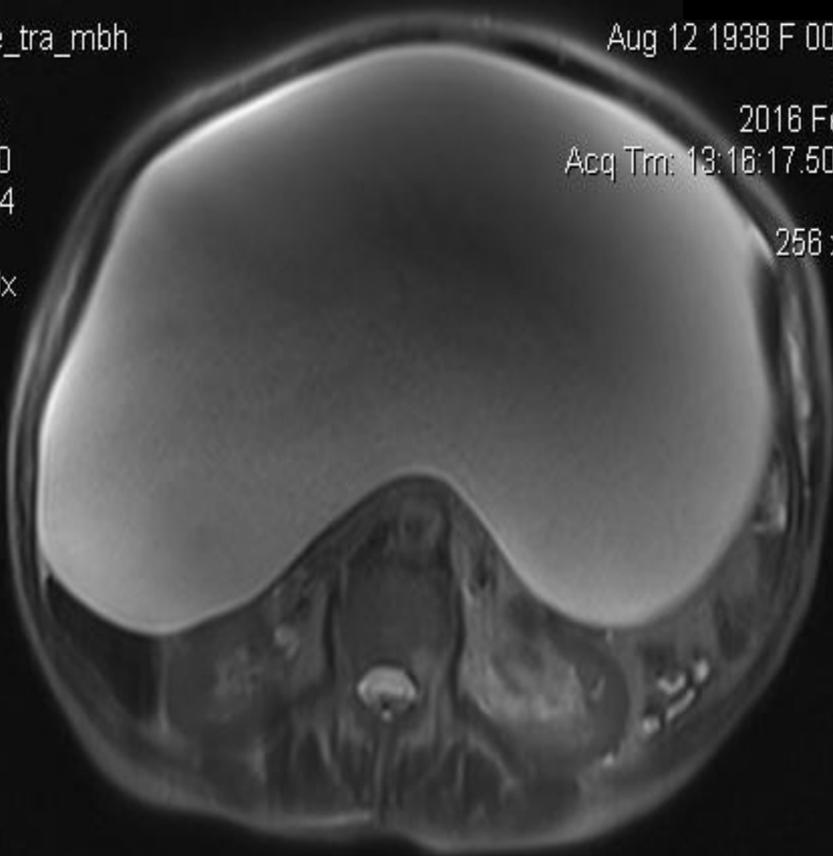
P

DFOV: 39.5 x 37.0cm

ET: 17  
TR: 5380.0  
TE: 114.0  
5.0thk/1.0sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:1054 L:497

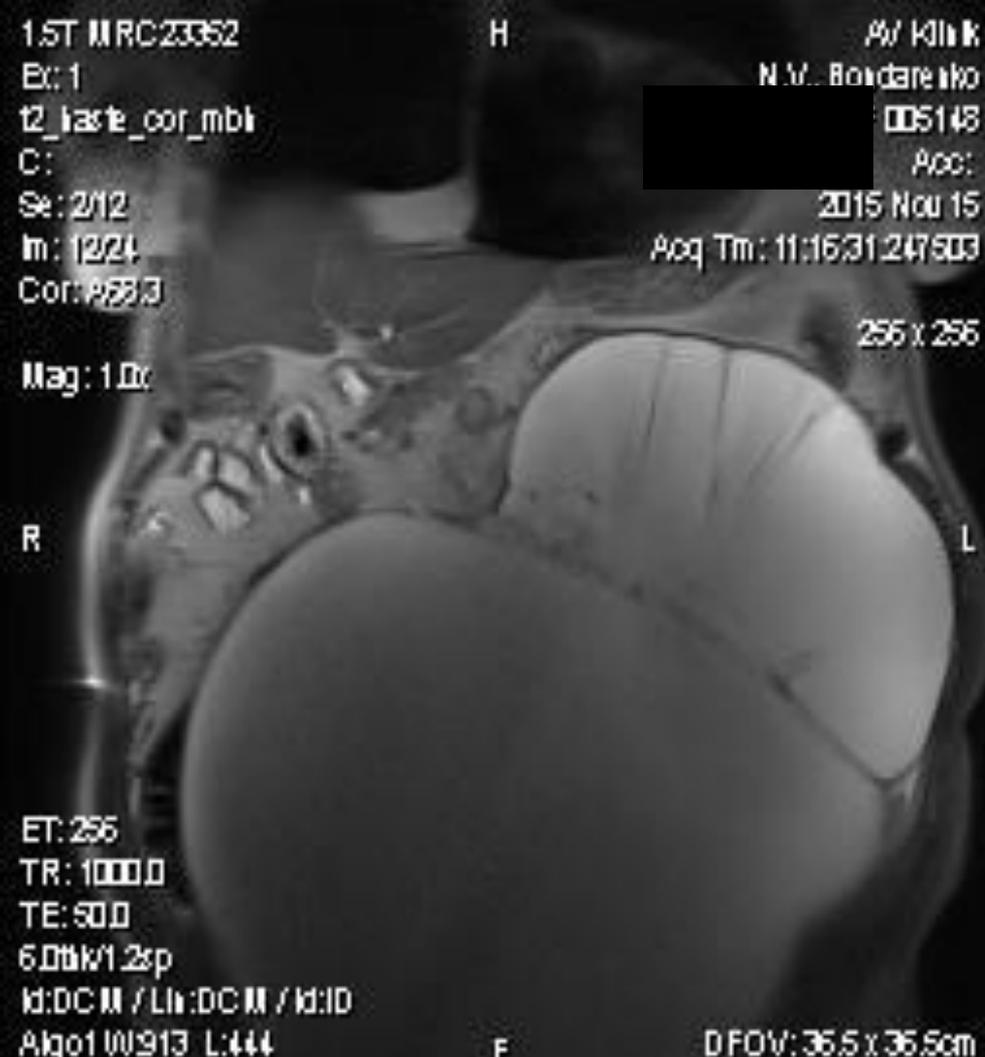
P<sub>a</sub>

DFOV: 31.9 x 23.9cm





# Цистаденома яичника.



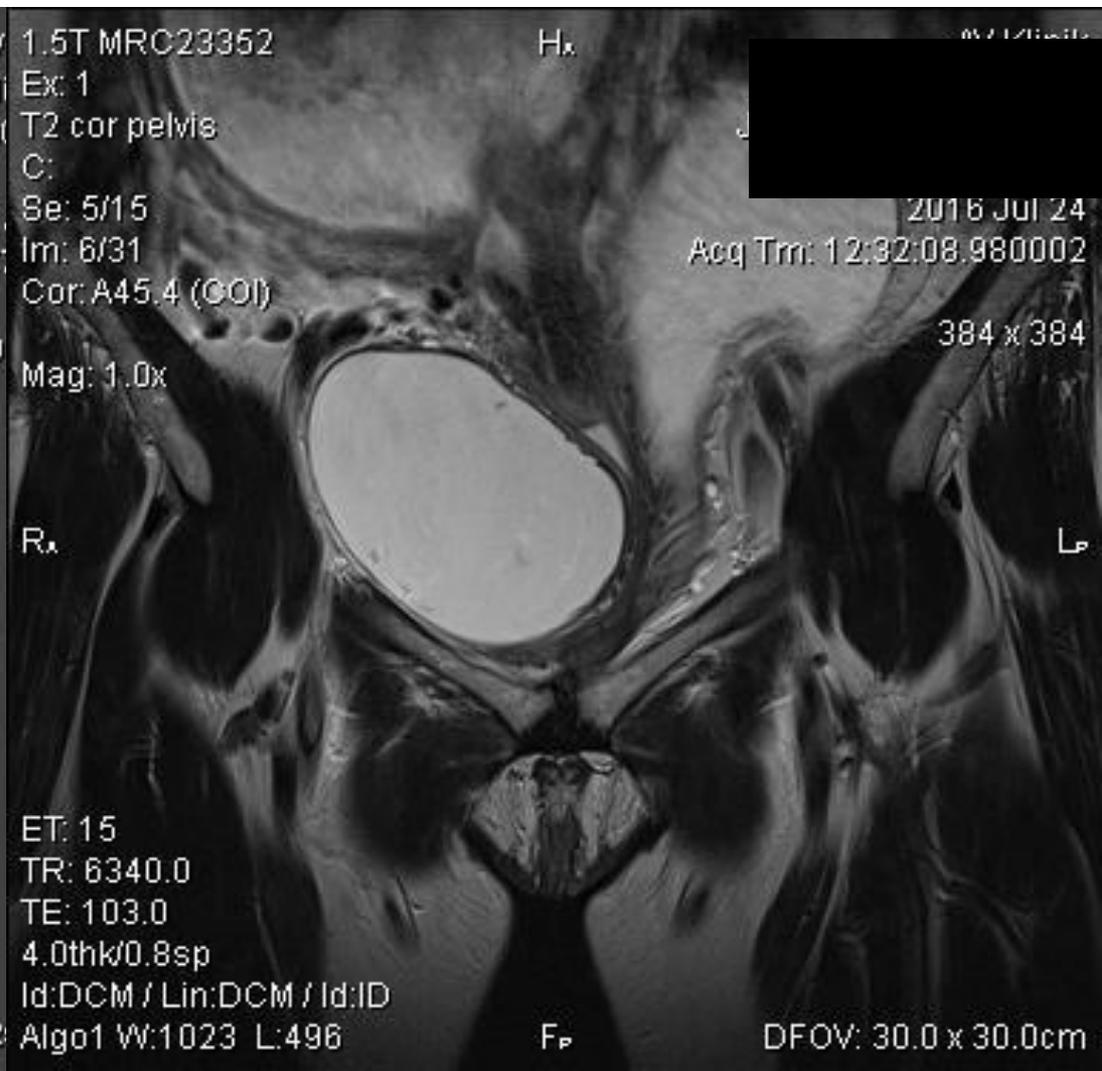


# Киста левого яичника





# Кистозное образование мягких тканей крестцово-копчиковой области с ростом в полость малого таза





# Кистозное образование мягких тканей крестцово-копчиковой области с ростом в полость малого таза

1.5T MRC23352  
 Ex: 1  
 T2 sag pelvis  
 C:  
 Se: 12/15  
 Im: 17/33  
 Sag: R28.5 (COI)  
 Mag: 1.0x

H<sub>L</sub>

AV Klinik  
 O.N., Eliseeva  
 Jun 21 1975 F 007829  
 Acc:  
 2016 Jul 24  
 Acq Tm: 12:54:47.257487  
 320 x 314

.5T MRC23352  
 x: 1  
 2 tra pelvis  
 e: 8/15  
 n: 16/31  
 x: F39.5 (COI)  
 lag: 1.0x

A<sub>R</sub>

2016 Jul 24  
 Acq Tm: 12:44:04.182520  
 384 x 384

A<sub>L</sub>

P<sub>R</sub>

L<sub>R</sub>

ET: 35  
 TR: 4600.0  
 TE: 111.0  
 4.0thk/0.8sp  
 Id:DCM / Lin:DCM / Id:ID  
 W:907 L:257

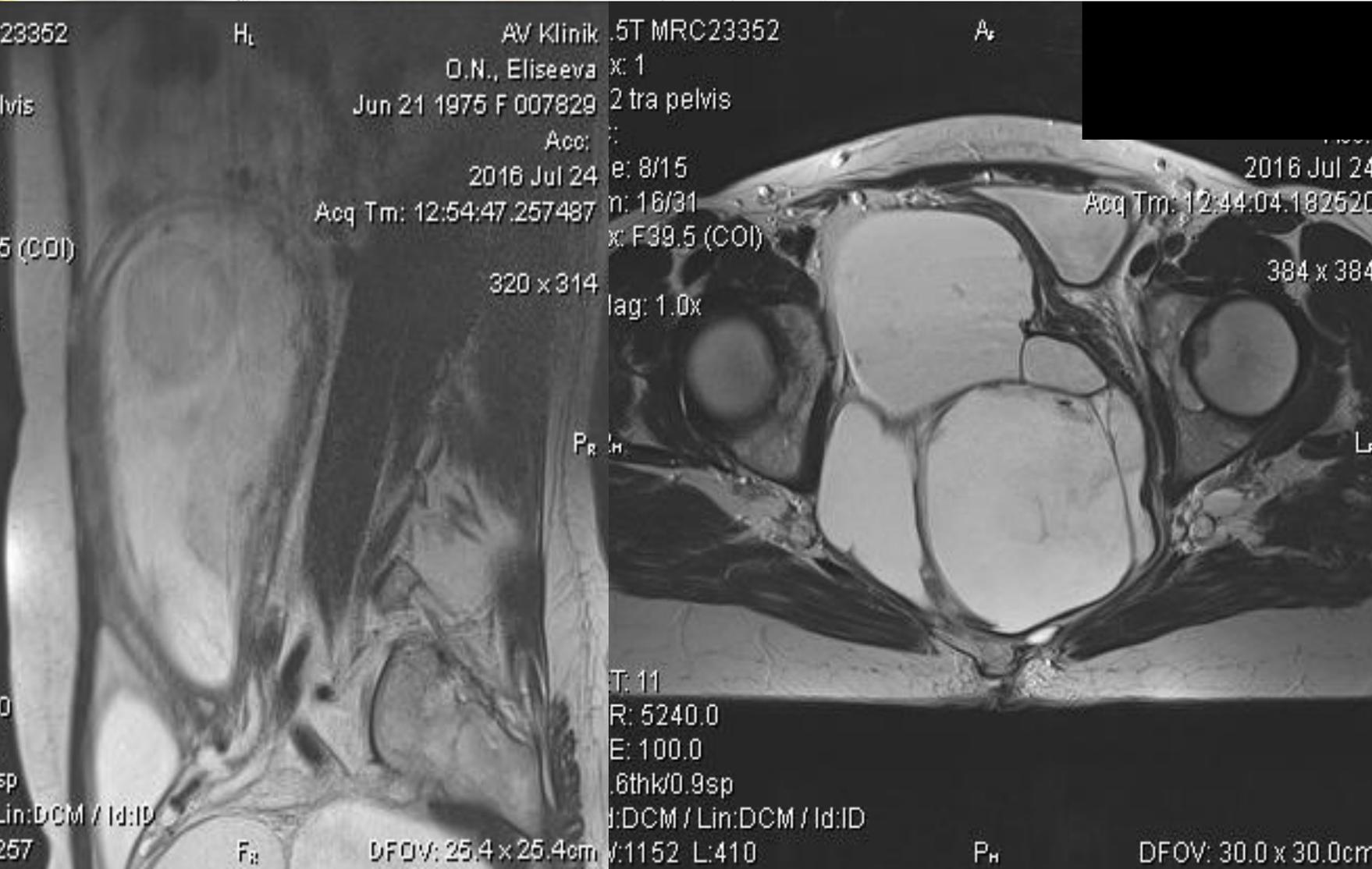
F<sub>R</sub>

DFOV: 25.4 x 25.4cm

T: 11  
 R: 5240.0  
 E: 100.0  
 .6thk/0.9sp  
 Id:DCM / Lin:DCM / Id:ID  
 W:1152 L:410

P<sub>L</sub>

DFOV: 30.0 x 30.0cm



# Нормальная анатомия мужского малого таза.



# Нормальная анатомия мужского малого таза.



# Опухоль предстательной железы



1.5T MRC23352

Ex: 1

t2\_tse\_sag

C:

Se: 3/15

Im: 12/25

Sag: R0.5 (COI)

Mag: 1.0x

A<sub>H</sub>

ET: 15

TR: 4680.0

TE: 113.0

4.0thk/0.4sp

Id:DCM / Lin:DCM / Id:ID

W:1166 L:373

H<sub>P</sub>

AV Klin 1.5T MRC23352

A<sub>P</sub>

AV Klinik

Jul 07 1935 M 00594 t2\_tse\_tra

Jul 07 1935 M 005943

Acc C:

Acc:

2016 Feb C Se: 5/15

2018 Feb 05

Acq Tm: 14:39:45.20751 Im: 14/25

Acq Tm: 14:49:58.540008

Ax: F42.8 (COI)

320 x 320

320 x 240

Mag: 1.0x

I R<sub>L</sub>

L<sub>R</sub>

ET: 17

TR: 6210.0

TE: 113.0

5.0thk/0.0sp

Id:DCM / Lin:DCM / Id:ID

W:1980 L:448

F<sub>A</sub>

DFOV: 30.0 x 30.0 cm

P<sub>A</sub>

DFOV: 30.0 x 22.5 cm



# Постконтрастное МРТ





# Варикоцеле левого яичка

1.5T MRC23352  
 Ex: 3  
 t2\_tse\_cor  
 C:  
 Se: 3/8  
 Im: 5/27  
 Cor: A89.2 (COI)  
 Mag: 1.0x

H<sub>A</sub>

AV Klin 1.5T MRC23352  
 Ex: 3  
 Jan 03 1980 M 00571t2\_tse\_cor\_fs  
 Acc C:  
 2016 Jan 1 Se: 4/8  
 Acq Tm: 16:07:45.23999 Im: 6/27  
 Cor: A82.6  
 320 x 32  
 Mag: 1.0x

H

AV Klinik  
 Ex: 3  
 Jan 03 1980 M 005710  
 Acc:  
 2016 Jan 12  
 Acq Tm: 16:10:29.027514  
 320 x 320

R<sub>H</sub>

ET: 15  
 TR: 5620.0  
 TE: 113.0  
 6.2thk/0.6sp  
 Id:DCM / Lin:DCM / Id:ID  
 W:1402 L:523

F<sub>P</sub>

DFOV: 30.0 x 30.0c Algo1 W:485 L:178

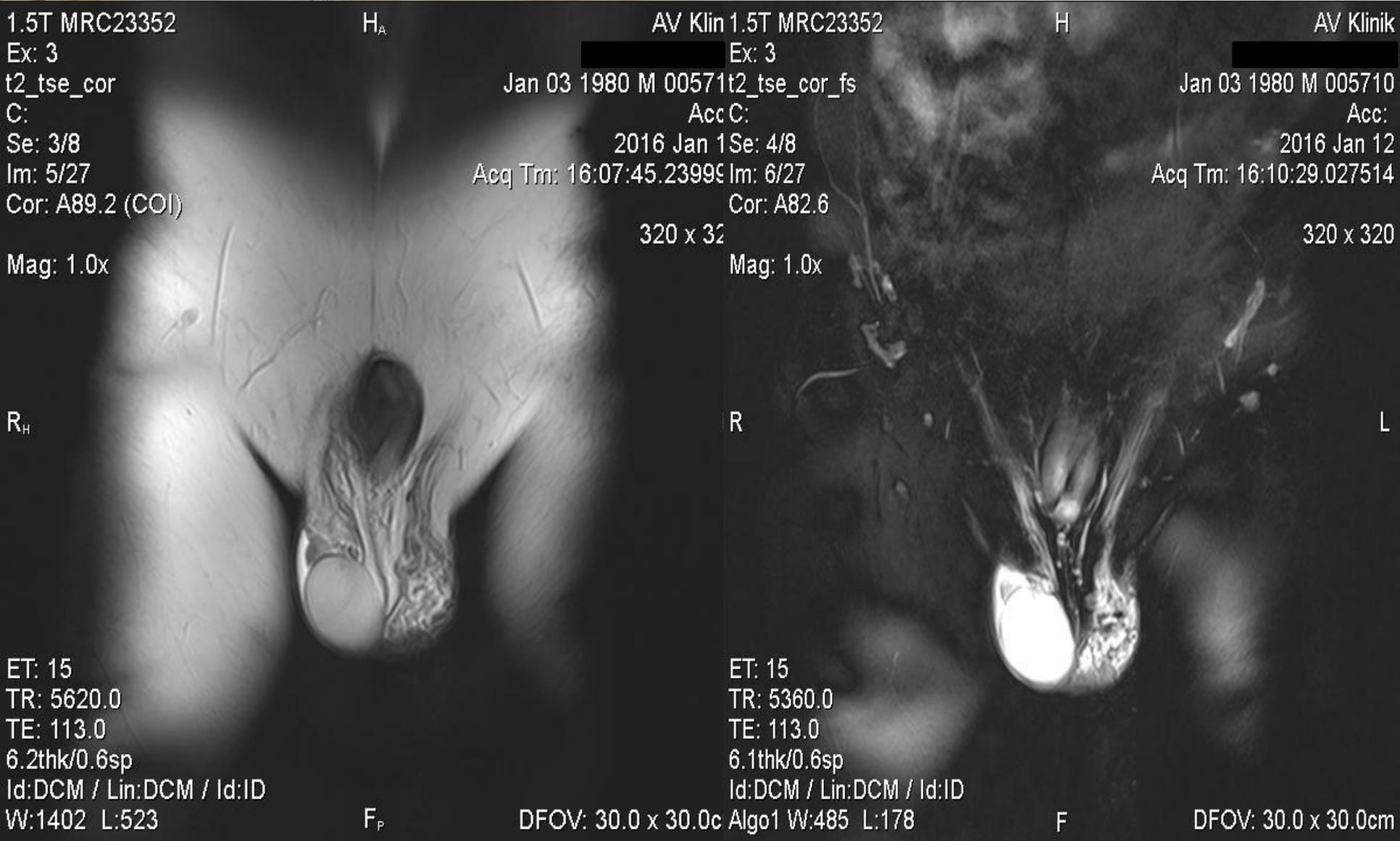
R

ET: 15  
 TR: 5360.0  
 TE: 113.0  
 6.1thk/0.6sp  
 Id:DCM / Lin:DCM / Id:ID

F

DFOV: 30.0 x 30.0cm

L





# Варикоцеле левого яичка

1.5T MRC23352  
Ex: 3  
t2\_tse\_tra\_fs  
C:  
Se: 5/8  
Im: 7/27  
Ax: F80.9 (COI)  
Mag: 1.0x

Rr

ET: 17  
TR: 3370.0  
TE: 113.0  
5.6thk/0.0sp  
Id:DCM / Lin:DCM / Id:ID  
W:827 L:196

Prr

1.5T MRC23352  
[REDACTED]: 3  
Jan 03 1980 t1\_se\_tra  
C:  
2 Se: 8/8  
Im: 6/25  
Acq Tm: 18:12  
Ax: F82.1 (COI)  
Mag: 1.0x

R

ET: 1  
TR: 348.0  
TE: 14.0  
5.6thk/0.0sp  
Id:DCM / Lin:DCM / Id:ID  
DFOV: 30.0 W:1569 L:532

Prr

1.5T MRC23352  
[REDACTED]: 3  
Jan 03 1980 M 005710  
C:  
2 Se: 8/8  
Im: 6/25  
Acq Tm: 18:15:40.657488  
Ax: F82.1 (COI)  
Mag: 1.0x

L

AV Klinik  
Acc: 2018 Jan 12  
320 x 240  
DFOV: 30.0 x 22.5cm

Prr



# Везикулит





# Везикулит





# Опухоль мочевого пузыря



# Дивертикул мочевого пузыря



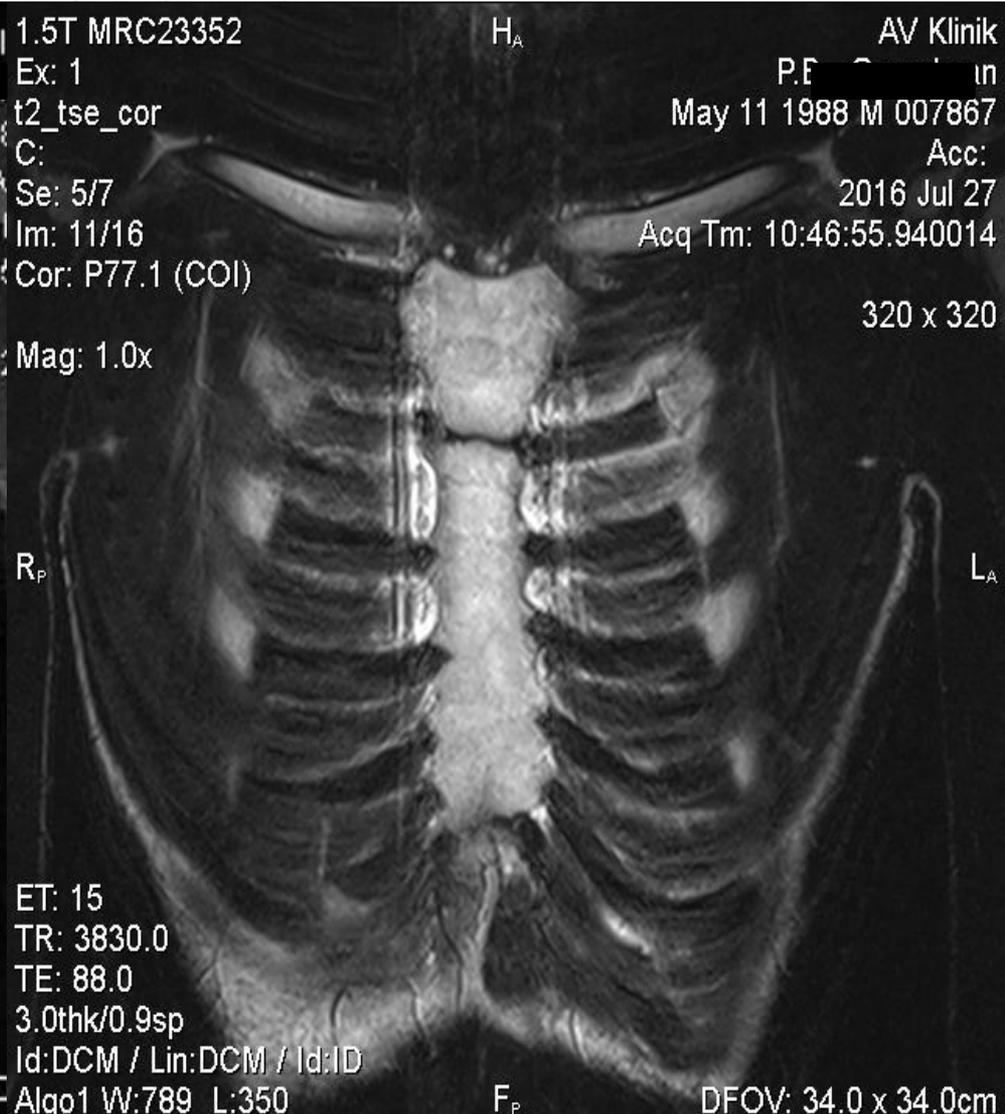


# Дивертикул мочевого пузыря до и после опорожнения

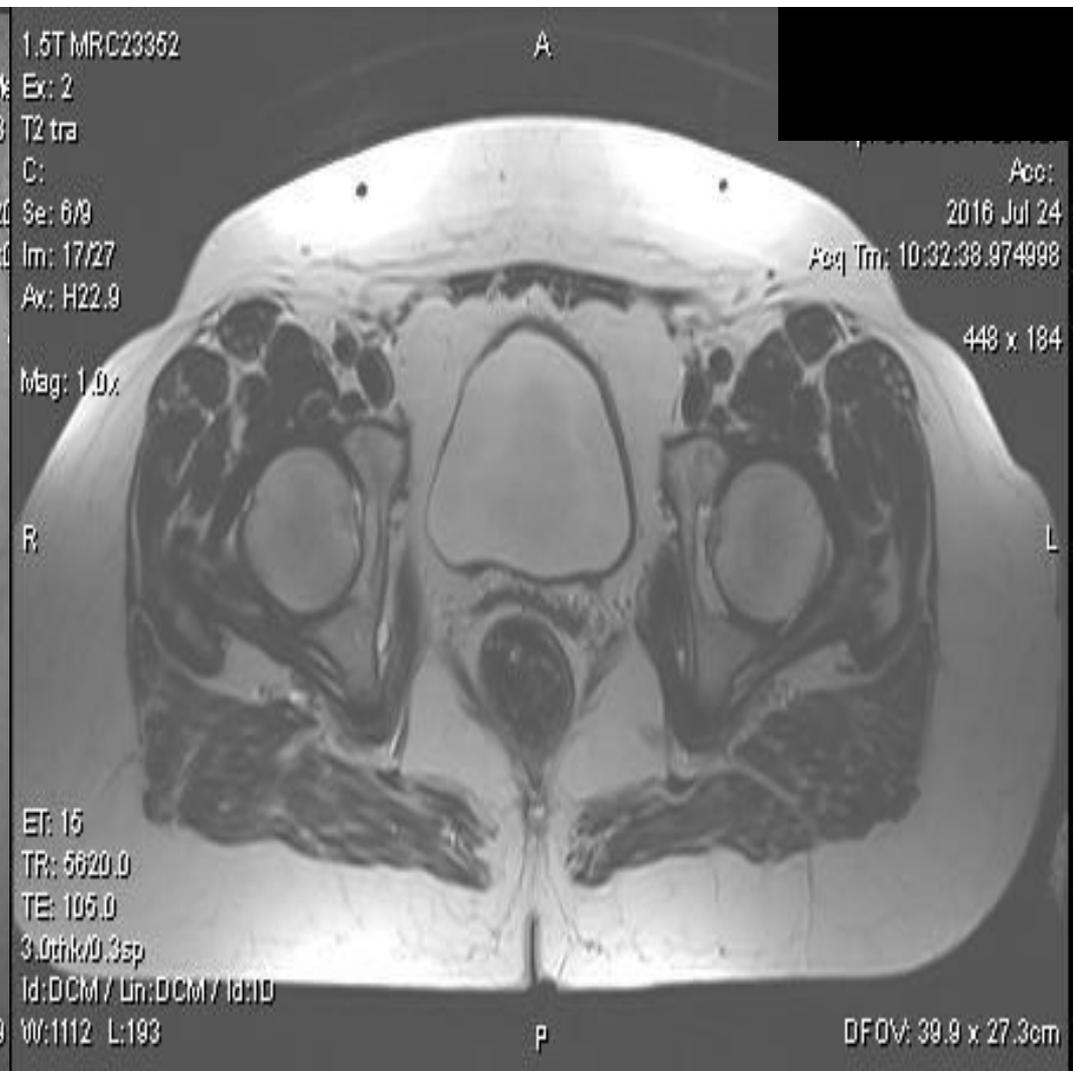




# Грудино-ключичное сочленение



# Нормальная анатомия тазобедренных суставов





# Асептический некроз головок бедренных костей

1.5T MRC23352  
Ex: 1  
t1\_se\_cor\_512  
C:  
Se: 5/10  
Im: 10/24  
Cor: A15.6 (COI)  
Mag: 1.0x

H<sub>p</sub>

AV K 1.5T MRC23352

Ex: 1

Jun 10 1973 M 005 t2\_tse\_cor\_fs

AC:

2015 Dec Se: 4/10

Acq Tm: 11:08:26.255 Im: 15/24

512 x

Mag: 1.0x

R<sub>p</sub>

ET: 1  
TR: 461.0  
TE: 20.0  
3.0thk/0.6sp  
H:DCM (L:DCM (H:ID

H<sub>p</sub>

AV Klinik

Ex: 1

Jun 10 1973 M 005421

Acc:

2015 Dec 09

Acq Tm: 11:05:30.065010

320 x 320

R<sub>p</sub>

L<sub>A</sub>

ET: 15  
TR: 5360.0  
TE: 113.0  
3.0thk/0.6sp  
H:DCM (L:DCM (H:ID



# Асептический некроз головки бедренных костей

1.5T MRC23352  
Ex: 1  
t2\_tse\_cor\_fs  
C:  
Se: 4/10  
Im: 11/24  
Cor: A12.0 (COI)

Mag: 1.0x

R<sub>P</sub>

ET: 15  
TR: 5360.0  
TE: 113.0  
3.0thk/0.6sp  
Id:DCM / Lin:DCM / Id:ID  
W:305 L:103

H<sub>P</sub>

Jun 10 1973 M 0

2015 I  
Acq Tm: 11:05:29.6

A<sub>V</sub>

1.5T MRC23352

Ex: 1  
pd+t2\_tse\_tra

C:  
Se: 8/10  
Im: 43/24  
Ax: H68.9 (COI)

32C

Mag: 1.0x

R<sub>H</sub>

ET: 5  
TR: 4070.0  
TE: 109.0  
3.0thk/0.6sp  
Id:DCM / Lin:DCM / Id:ID  
W:917 L:233

F<sub>A</sub>

DFOV: 40.0 x 4

A<sub>R</sub>

A<sub>V</sub> Klinik

Jun 10 1973 M 005421

Acc:

2015 Dec 09

Acq Tm: 11:14:26.452485

512 x 192

L<sub>T</sub>

P<sub>L</sub>

DFOV: 40.0 x 30.0cm



# Перелом таранной кости



# Нормальная МР анатомия коленного сустава





# Повреждение собственной связки надколенника

1.5T MRC23352  
Ex: 1  
pd\_tse\_fs\_sag  
C:  
Se: 5/10  
Im: 10/19  
Sag: L77.8 (COI)  
Mag: 1.0x

H<sub>A</sub>

AV Klinik C23352

H<sub>P</sub>

AV Klinik

Mar 22 1985 M 005662 ag  
Acc:  
2016 Jan 06  
Acq Tmr: 12:09:11.387514 }  
256 x 212

Mar 22 1985 M 005662  
Acc:  
2016 Jan 06  
Acq Tmr: 11:59:48.362485  
256 x 256

A<sub>L</sub>

P<sub>R</sub>

P<sub>R</sub>

ET: 7  
TR: 3080.0  
TE: 14.0  
4.0thk/0.8sp  
Id:DCM / Lin:DCM / Id:ID  
W:1291 L:625

F<sub>P</sub>

DFOV: 19.9 x 19.9cm L:760

F<sub>A</sub>

DFOV: 19.5 x 19.5cm





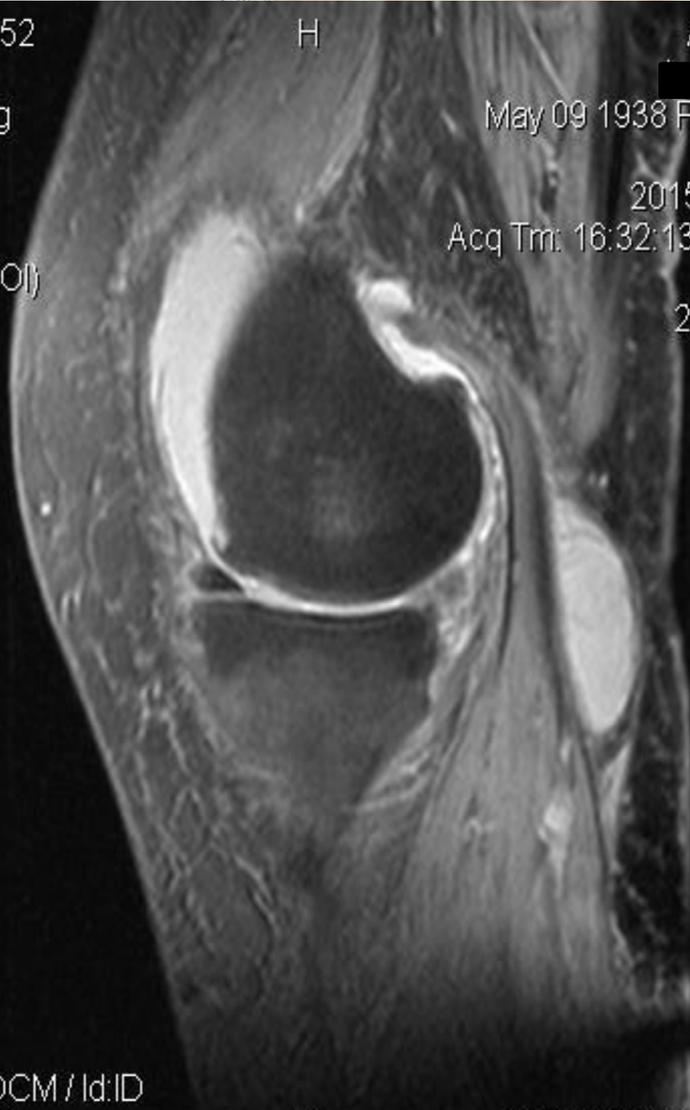
# Повреждение внутреннего мениска





# Киста Бейкера (киста в подколленной ямке)

1.5T MRC23352  
Ex: 1  
pd\_tse\_fs\_sag  
C:  
Se: 5/10  
Im: 6/19  
Sag: L53.3 (COI)  
Mag: 1.0x



H

AV K 1.5T MRC23352

A

AV Klinik

May 09 1938 F 005 pd+t2\_tse\_tra  
Ac: 2015 Dec  
Acq Tm: 16:32:13.055 Im: 33/19  
Ax: F41.6  
256 x  
Mag: 1.0x

May 09 1938 F 005593  
Acc: 2015 Dec 23  
Acq Tm: 16:44:31.899998  
256 x 224

A<sub>L</sub>

R

L

ET: 7  
TR: 3080.0  
TE: 14.0  
4.0thk/0.8sp  
Id:DCM / Lin:DCM / Id:ID  
W:1133 L:526

ET: 5  
TR: 3140.0  
TE: 86.0  
4.0thk/0.8sp  
Id:DCM / Lin:DCM / Id:ID

F

DFOV: 19.9 x 19.5 Algo1 W:1794 L:819

P

DFOV: 21.0 x 18.4cm



# Хронический остеомиелит

1.5T MRC23352

Ex: 1  
pd\_tse\_fs\_sag

C:  
Se: 5/10  
Im: 10/19  
Sag: R95.7 (COI)

Mag: 1.0x

A<sub>R</sub>

ET: 7  
TR: 3080.0  
TE: 14.0  
4.0thk/0.8sp  
Id:DCM / Lin:DCM / Id:ID  
W:1215 L:522

H

AV 1.5T MRC23352  
Ex: 1  
Nov 22 1957 M 00  
2015 D  
Acq Tm: 09:25:11.38

256

F

DFOV: 19.9 x 19.9 cm W:1112 L:445

AV 1.5T MRC23352

Ex: 1  
t2\_tse\_cor\_512

C:  
Se: 7/10  
Im: 10/18  
Cor: A63.4 (COI)

Mag: 1.0x

R<sub>r</sub>

ET: 7  
TR: 3090.0  
TE: 108.0  
4.0thk/0.8sp  
Id:DCM / Lin:DCM / Id:ID

H

AV Klinik  
Ex: 1  
Nov 22 1957 M 005597  
2015 Dec 25  
Acq Tm: 09:31:44.510008

512 x 384

F

DFOV: 21.9 x 21.9 cm

# Рак лёгкого





# Рак лёгкого.



1.5T MRC23352  
Ex: 1  
t2\_tse COR  
C:  
Se: 6/6  
Im: 8/20  
Cor: P3.6 (COR)

Mag: 1.0x  
LOSSY

R<sub>A</sub>

ET: 25  
TR: 6020.0  
TE: 116.0  
4.6thk/0.5sp  
Id:DCM / Lin:DCM / Id:ID  
W:565 L:249

H<sub>P</sub>  
AV K  
L.A., Ma  
Mar 24 1963 F 003  
A  
2015 Ma  
Acq Tm: 13:01:27.677

256 x

DFOV: 37.6 x 37.6



1.5T MRC23352  
Ex: 1  
t2\_tse tra  
C:  
Se: 56  
Im: 2/12  
Ac: F1043 (COR)

Mag: 1.0x  
LOSSY

R

ET: 19  
TR: 3500  
TE: 650  
4.0thk/0.5sp  
Id:DCM / Lin:DCM / Id:ID  
W:1069 L:440

A<sub>M</sub>

2015 May 30  
Acq Tm: 12:59:25.227488

320 x 205

L

DFOV: 21.0 x 16.8cm



# Объемное образование в мягких тканях бедра



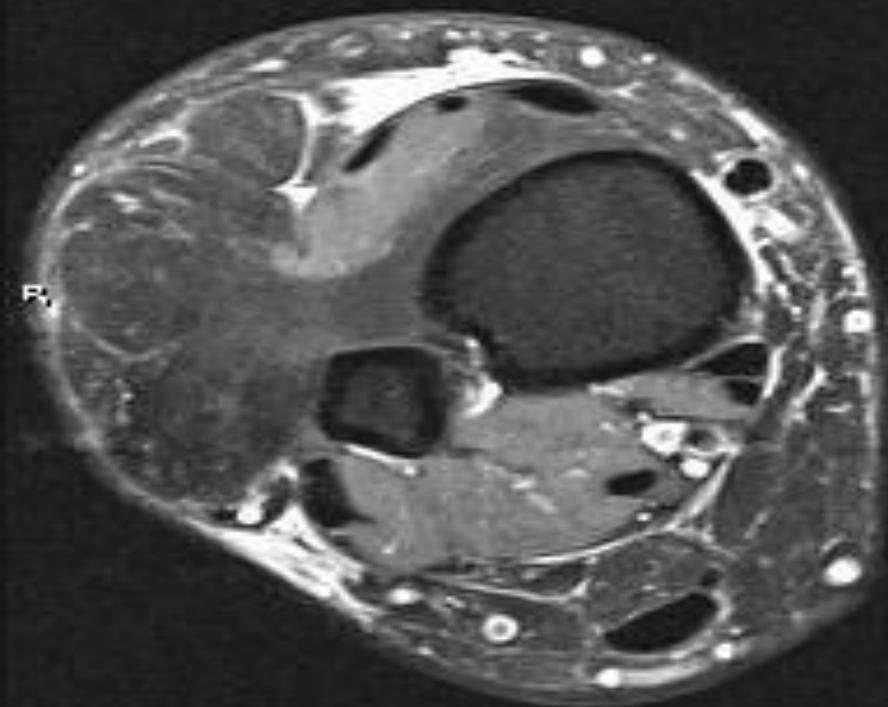


# Объёмное образование мягких тканей голени

1.5T MRC23352  
Ex: 1  
pd\_tse\_fs\_sag  
Se: 4/8  
Im: 5/25  
Acq Tm: 18:13:03.377485  
Mag: 1.0x

AV Klinik  
A.S., Dordrecht  
Jul 26 1957 M 008082  
Acc:  
2016 Aug 14  
Acq Tm: 18:13:03.377485  
320 x 188  
1.5T MRC23352  
Ex: 1  
pd\_tse\_fs\_sag  
C:  
Se: 4/8  
Im: 5/25  
Sag: R133.6 (COI)  
Mag: 1.0x

H<sub>R</sub>  
AV Klinik  
A.S., Dordrecht  
Jul 26 1957 M 008082  
Acc:  
2016 Aug 14  
Acq Tm: 18:13:03.377485  
320 x 256



ET: 5  
TR: 3210.0  
TE: 14.0  
3.0thk/0.6sp  
Id:DCM / Lin:DCM / Id:ID  
Mag: 1.0x  
DFOV: 22.5 x 15.0cm

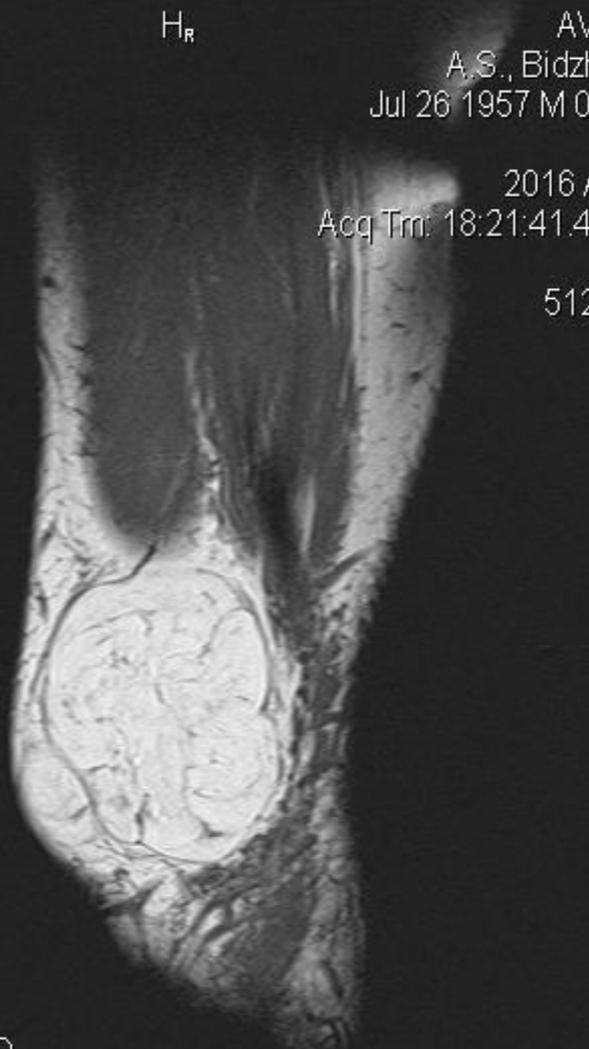
ET: 5  
TR: 3210.0  
TE: 14.0  
3.0thk/0.6sp  
Id:DCM / Lin:DCM / Id:ID  
Algo1 W:1119 L:530

DFOV: 15.0 x 15.0cm



# Объёмное образование мягких тканей голени

1.5T MRC23352  
Ex: 1  
t1\_se\_sag  
C:  
Se: 6/8  
Im: 2/19  
Sag: R132.5 (COL)  
Mag: 1.0x



H<sub>R</sub>

A<sub>R</sub>

F<sub>L</sub>

AV 1.5T MRC23352  
A.S., Bidzh Ex: 1  
Jul 26 1957 M 01 t2\_fi3d\_sag  
C:  
2016 A Se: 7/8  
Acq Tm: 18:21:41.4 Im: 12/44  
Sag: R121.2 (COL)  
512  
Mag: 1.0x



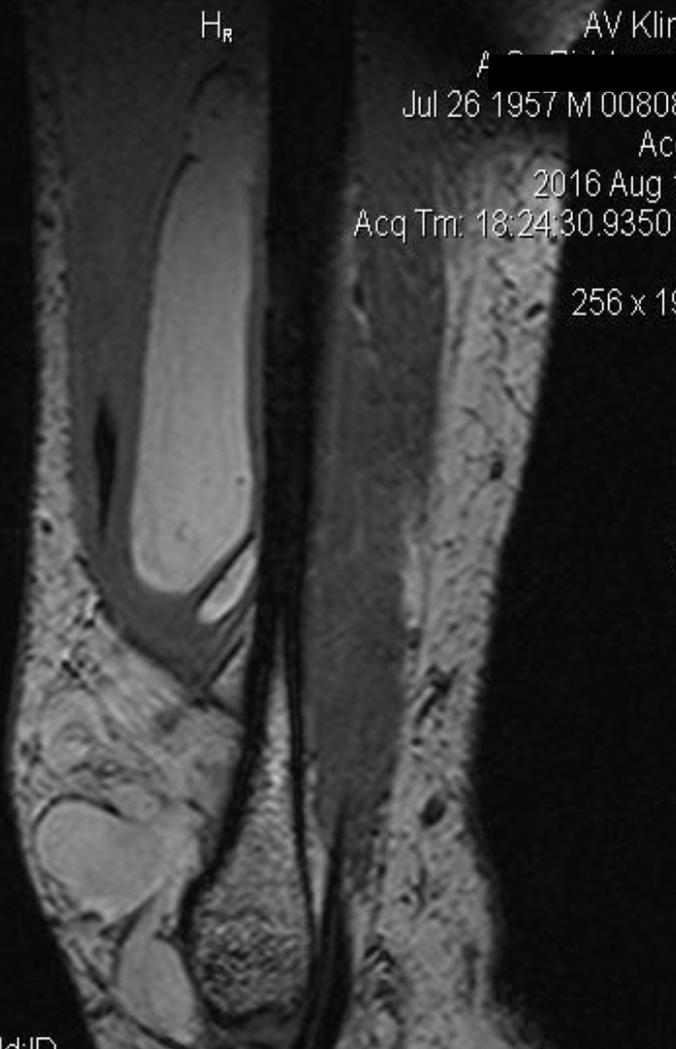
H<sub>R</sub>

A<sub>R</sub>

F<sub>L</sub>

DFOV: 20.0 x 2 Algo1 W:706 L:329

AV Klinik  
A.S., Bidzh Ex: 1  
Jul 26 1957 M 008082  
C:  
2016 Aug 14  
Acq Tm: 18:24:30.935011  
256 x 192



H<sub>R</sub>

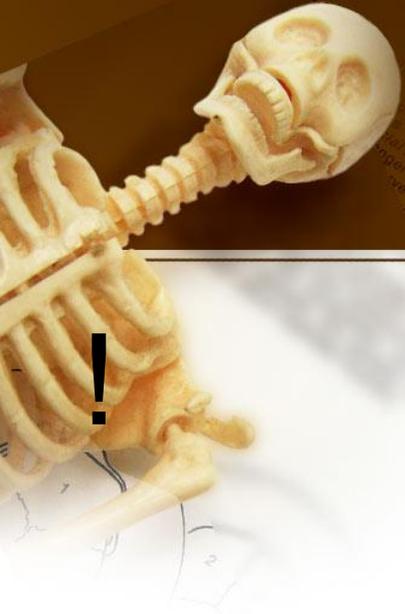
P<sub>L</sub>

F<sub>L</sub>

DFOV: 18.0 x 18.0cm

ET: 1  
TR: 479.0  
TE: 15.0  
3.0thk/0.5sp  
Id:DCM / Lin:DCM / Id:ID  
W:1559 L:598

ET: 1  
TR: 22.0  
TE: 10.0  
1.5thk/-1.5sp  
Id:DCM / Lin:DCM / Id:ID



!

Спасибо за внимание!

