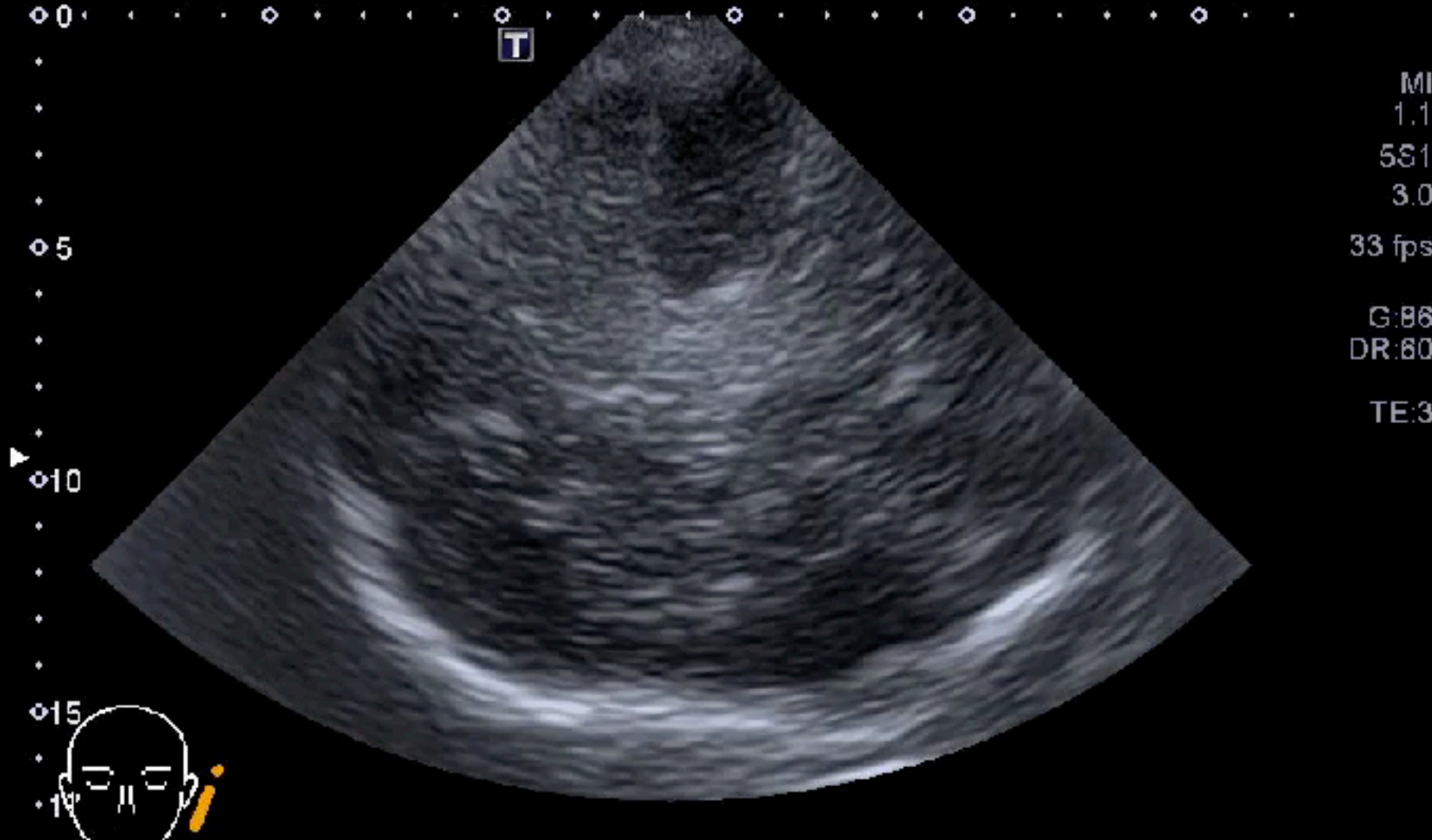


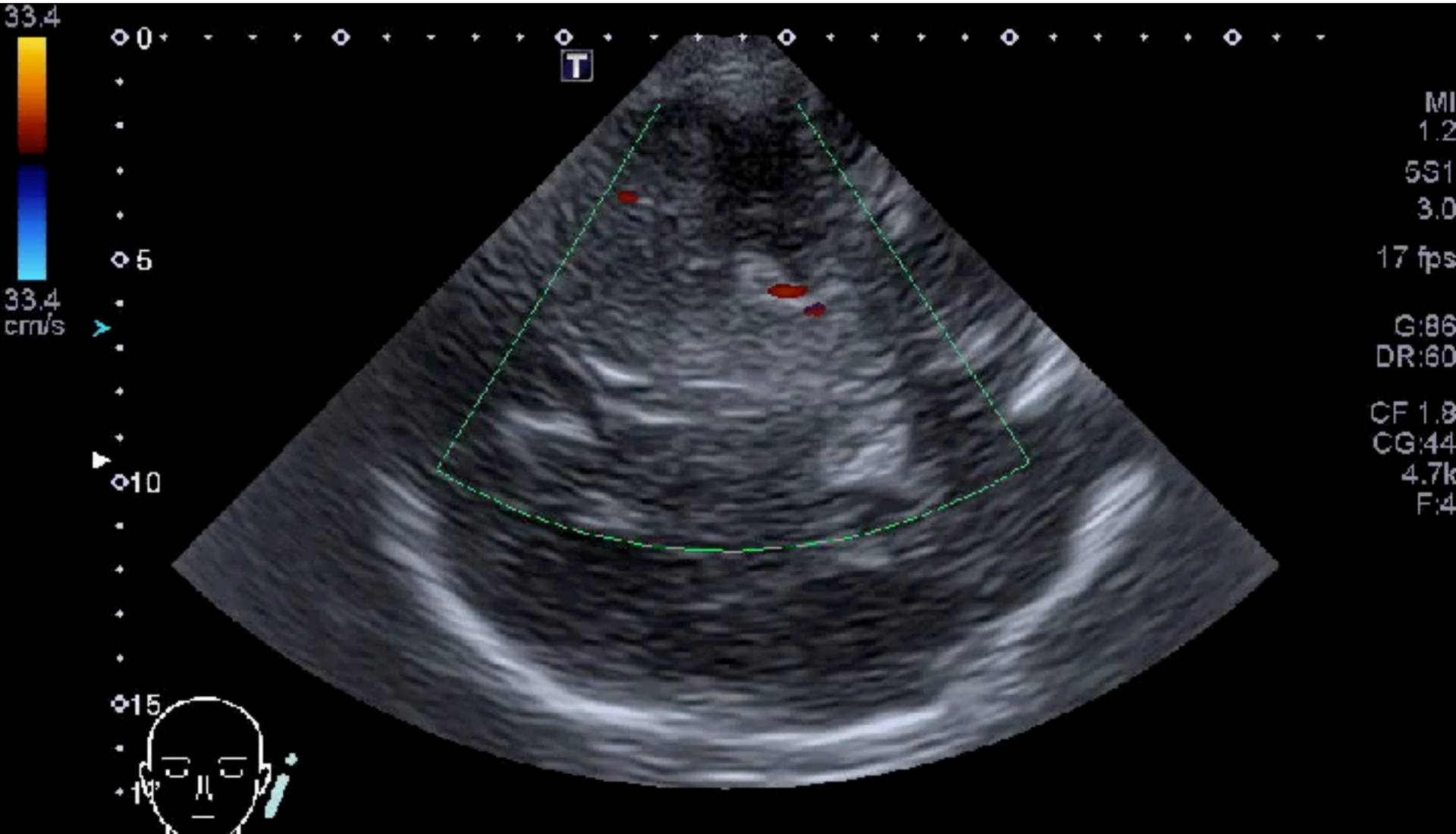
# SonoAnatomy



# Midline



# MCA



L3-12A / S  
2D G51/DR

# 請問影片中總共縮瞳幾次

SAMSUNG  
RS80A

▶  
- 1



# 影片中標示為何種artifact

Superficial  
L12-3  
46 Hz  
3.5cm  
2D  
Res  
Gn 100  
C 56  
3/2/1



G  
P R  
30 170

2

3.5cm

L3-12A / Sme  
2D G54/DR58

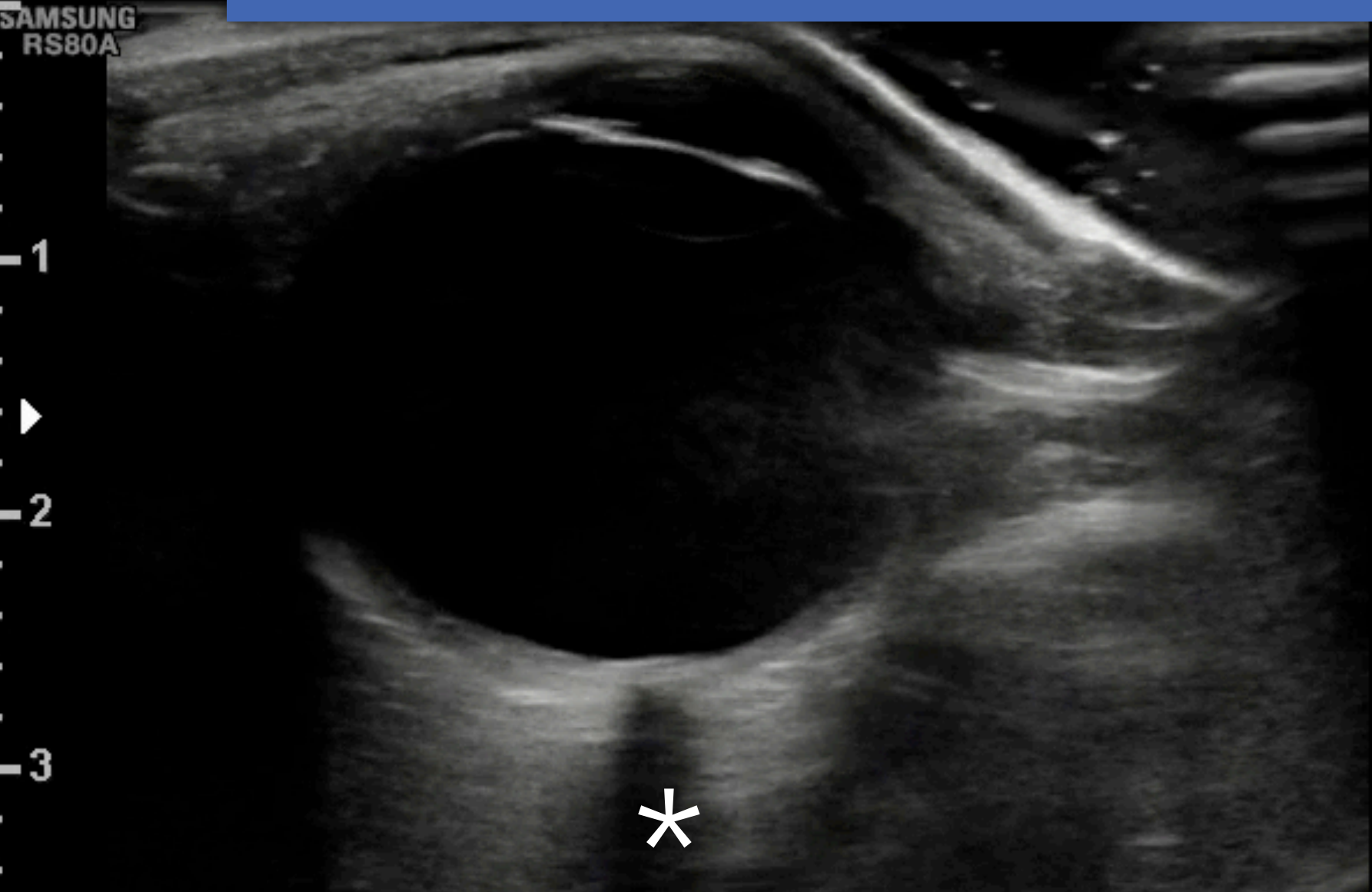
**ONSD 3<sub>mm</sub>/5<sub>mm</sub>**

SAMSUNG  
RS80A

-1

-2

-3



# Name the bone

Superficial  
\_12-4  
25Iz  
2.0cm

2D  
HRes  
Gn 60  
60  
3 / 2 / 4



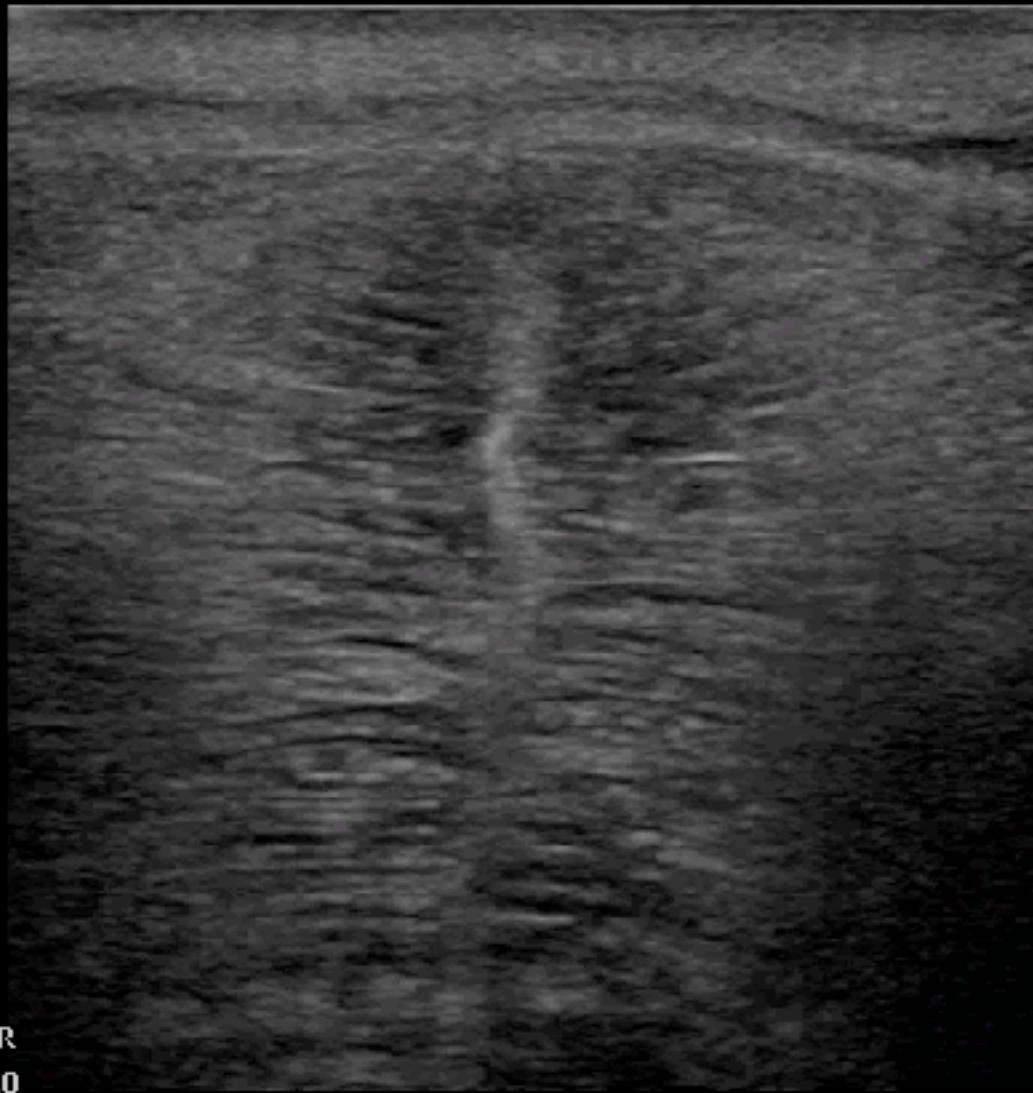
# Name the structure

Superficial  
L12-3  
43 Hz  
4.0cm

2D  
Res  
Gn 88  
C. 56  
3 / 2 / 1



P R  
3.0 12.0



1.0cm



# Direction of movement

Superficial  
| 12-3  
46 Hz  
3.5cm

2D

Res  
Gn 88  
C 56  
3/7/1



G  
P R  
20 100



2

2.5cm

# Name of the structure

Superficial  
L12-3  
46 Hz  
3.0cm  
2D  
Res  
Gn 88  
C. 56  
3 / 2 / 1

P



G  
P R  
3.0 12.0

3.0cm

# Name the gland



# Name the gland

Superficial  
L12-3  
46 Hz  
3.0cm

2D

Res  
Gn 88  
C 56  
3/2/1

P



P G R

# Power Doppler

Superficial  
L12-3  
34 Hz  
3.0cm

P

2D

Res  
Gn 88  
C. 56  
3/2/2

CPA

5.0 MHz  
Gn 60  
1/5/5  
Filtr Med  
Baseln 3



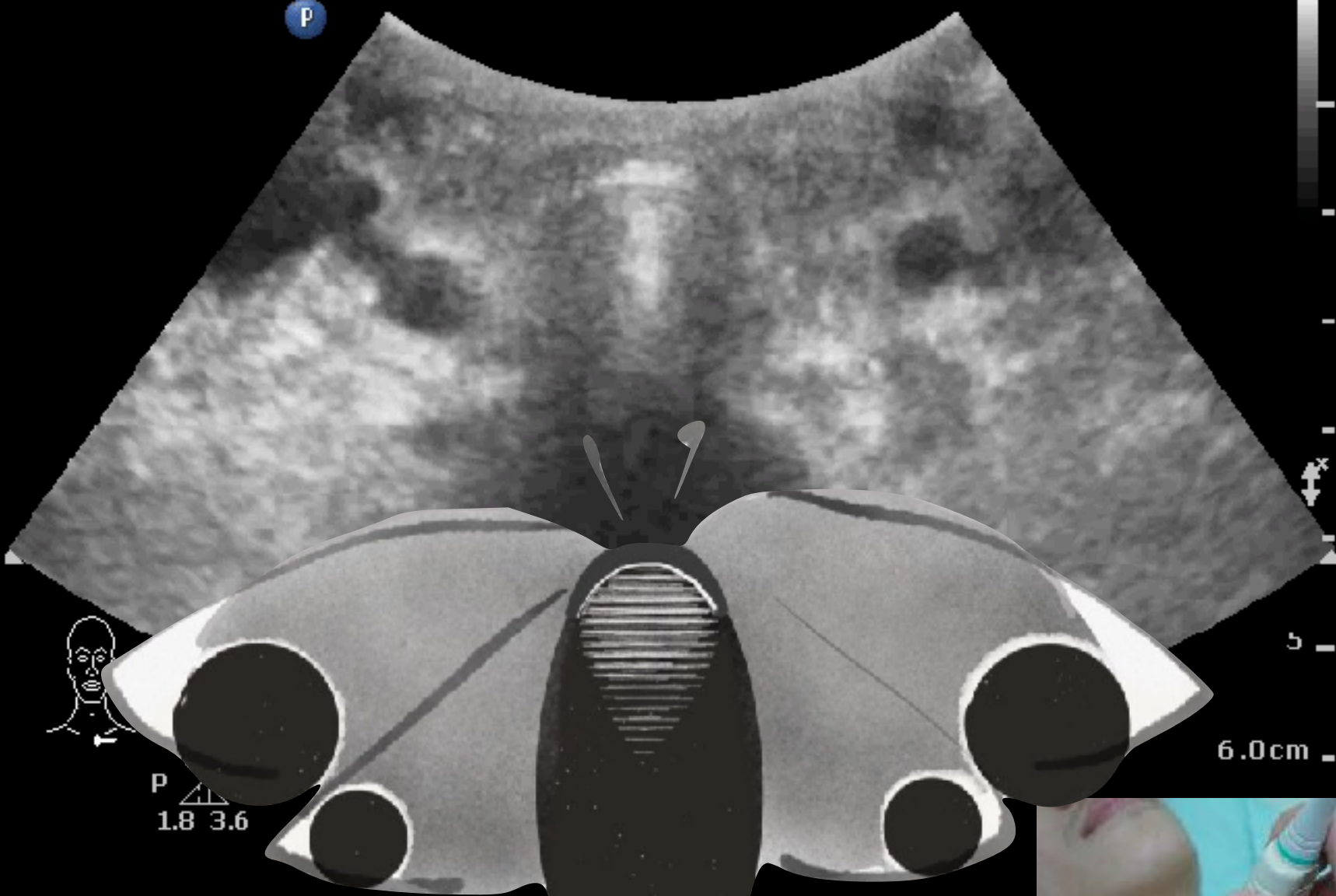
# Name the gland

ZD G53/DR58/FA4/P90/2.7/Ftq/Fen/3.5cm



SAMSUNG  
RS80A

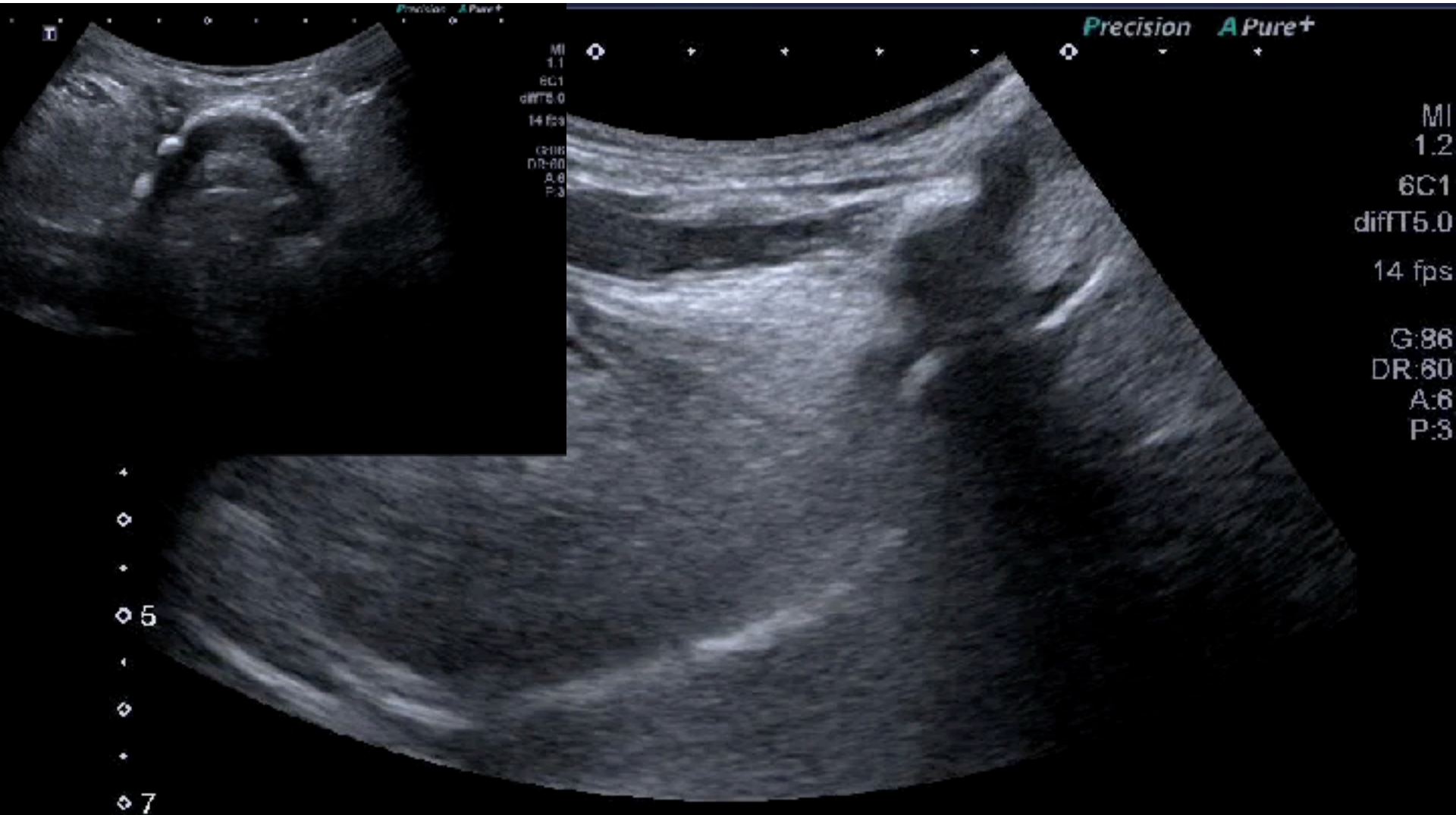




One  
Tract

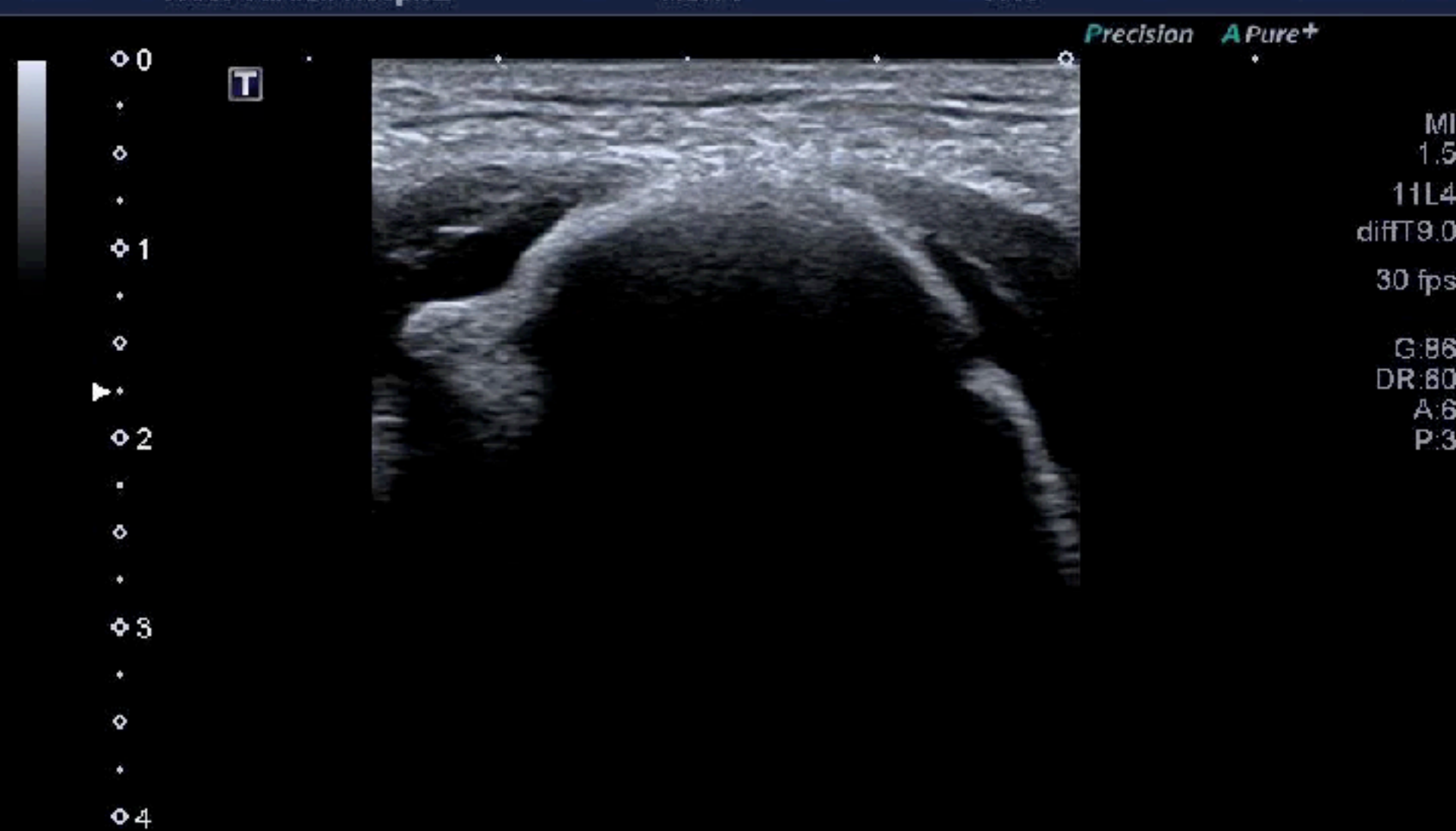


# Hyoid bone

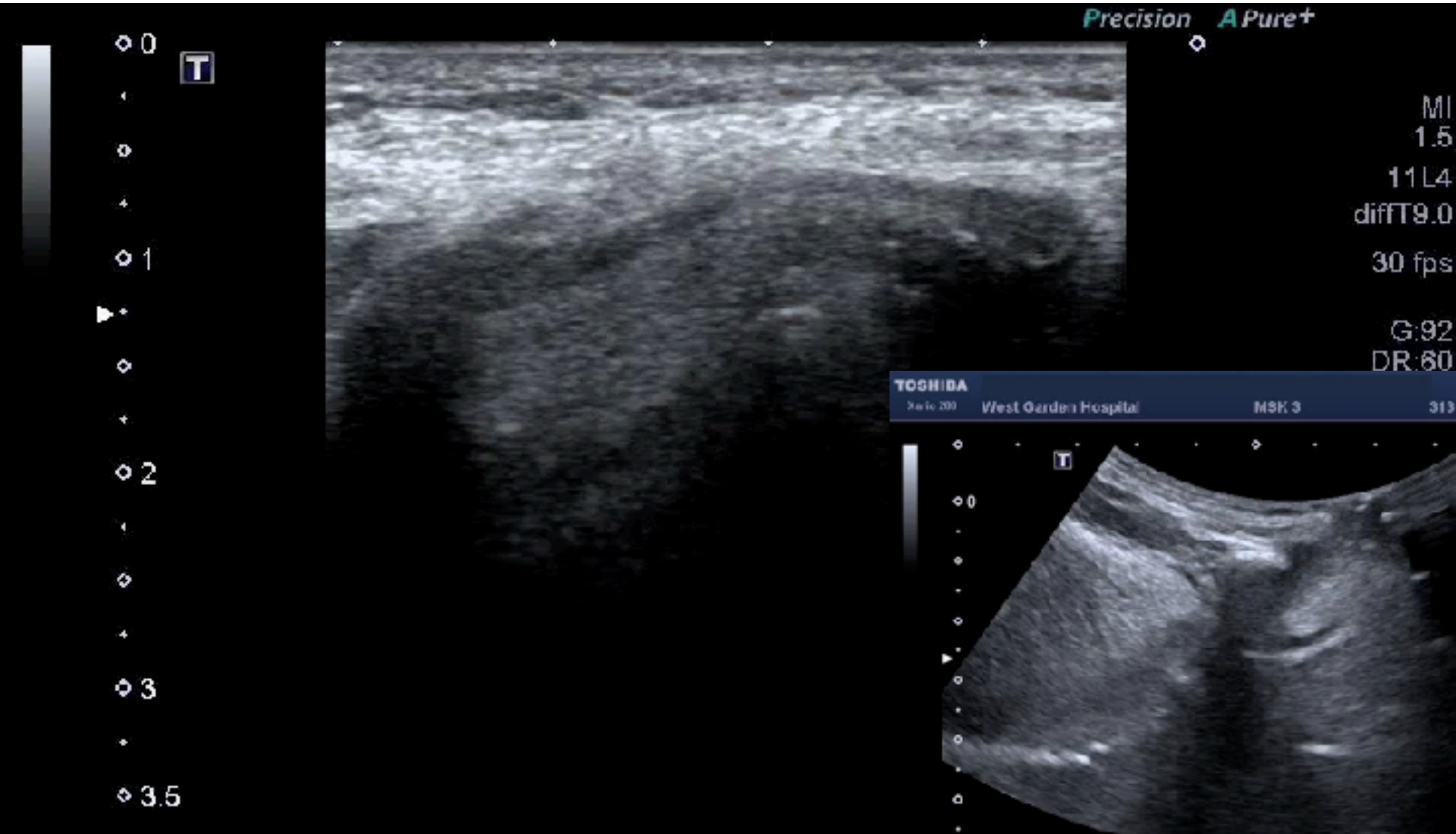




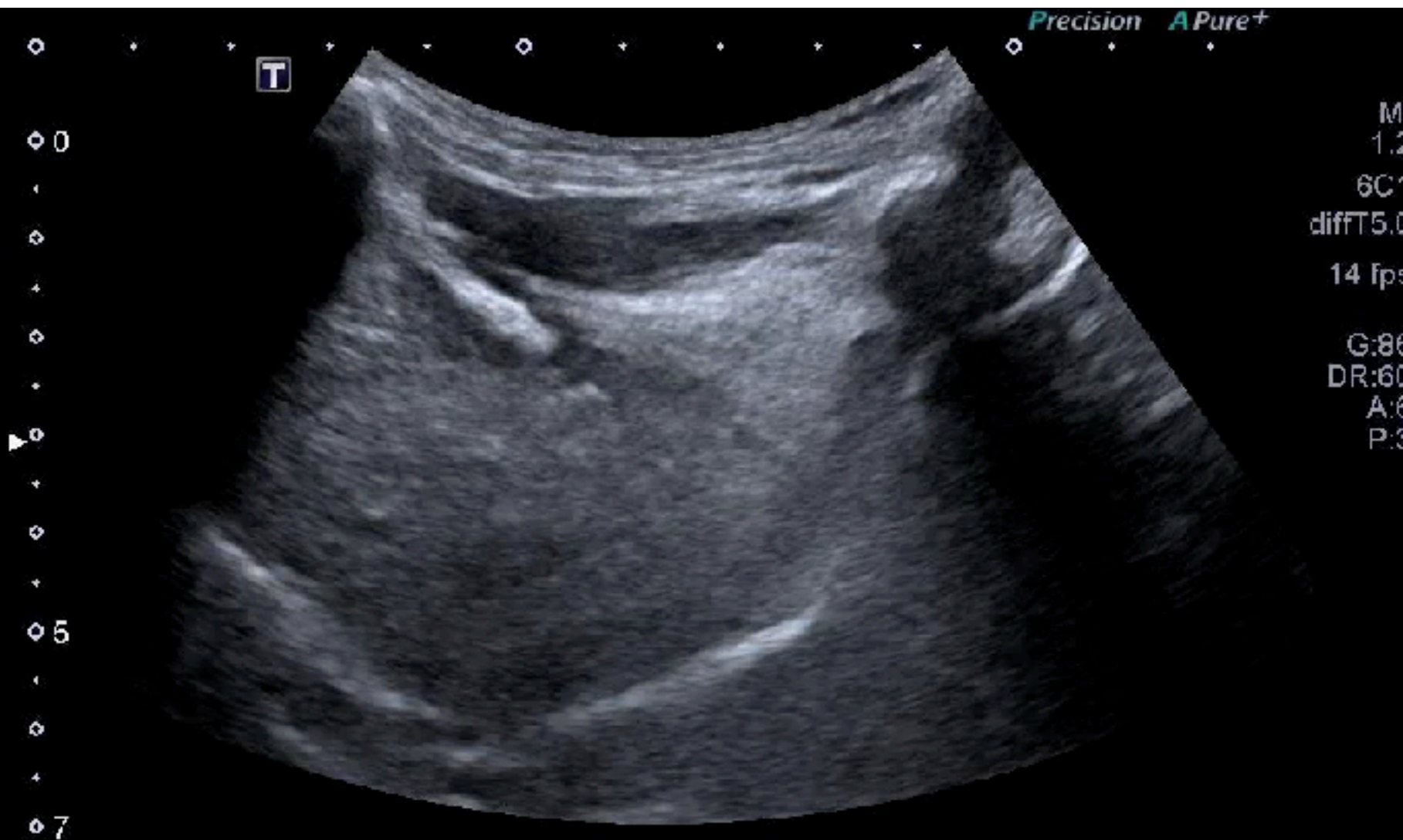
# Direction of movement



# Epiglottitis

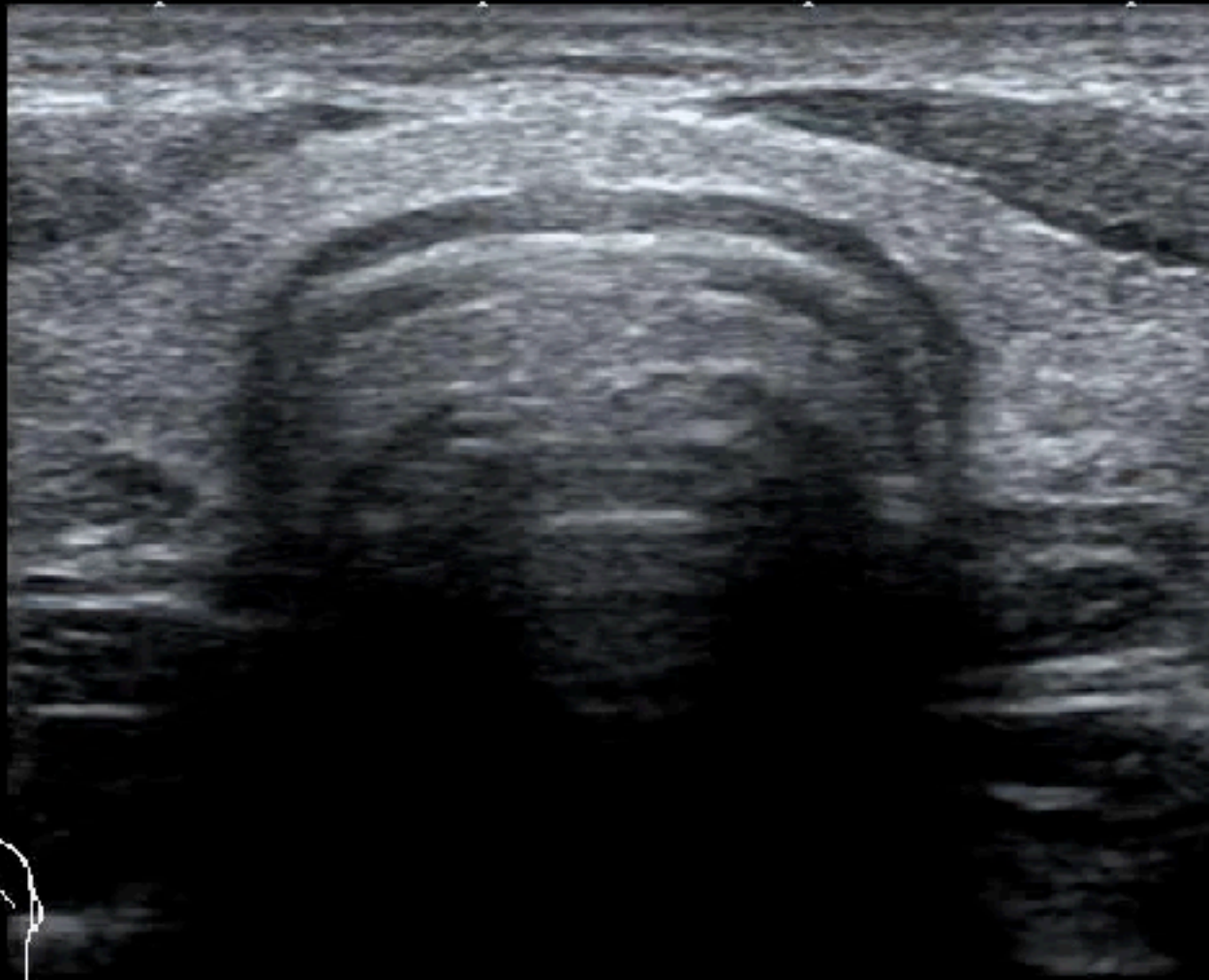


# Action



# The largest cartilage

Precision A Pure+



M  
1.5  
11L4  
diffT9.0  
30 fps  
G:83  
DR:60  
A:5  
P:1

0  
T

•

◊

•

1

•

◊

•

2

•

◊

•

3



# Name the cartilage

ZD G53/DR58/FA4/P90/2.7/Frq Pen./3.5cm



SAMSUNG RS80A



1

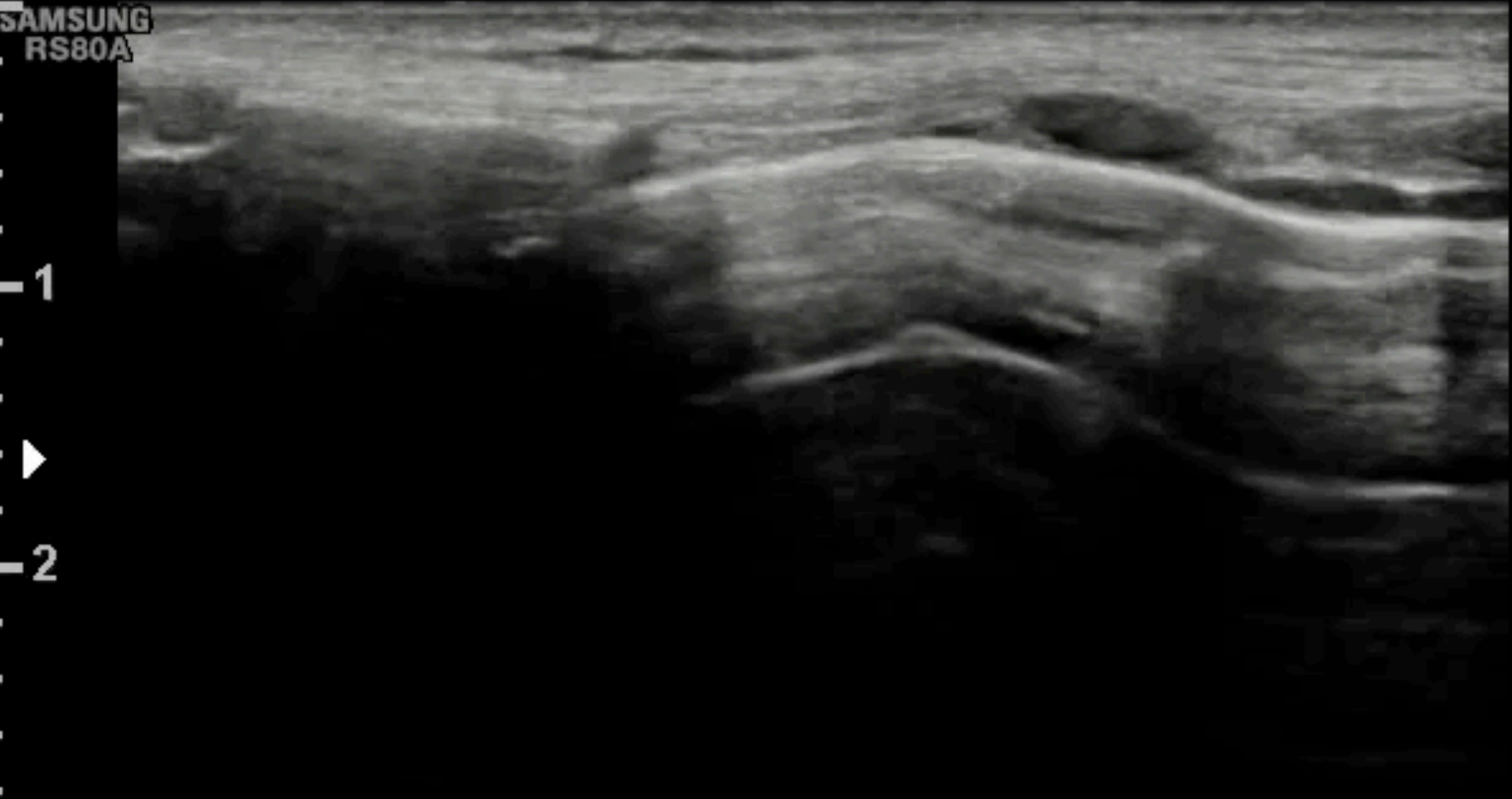
2

# Name the membrane

2D G53/DR58/FA4/P90/2.7/Frq Pen./3.5cm



SAMSUNG  
RS80A



1



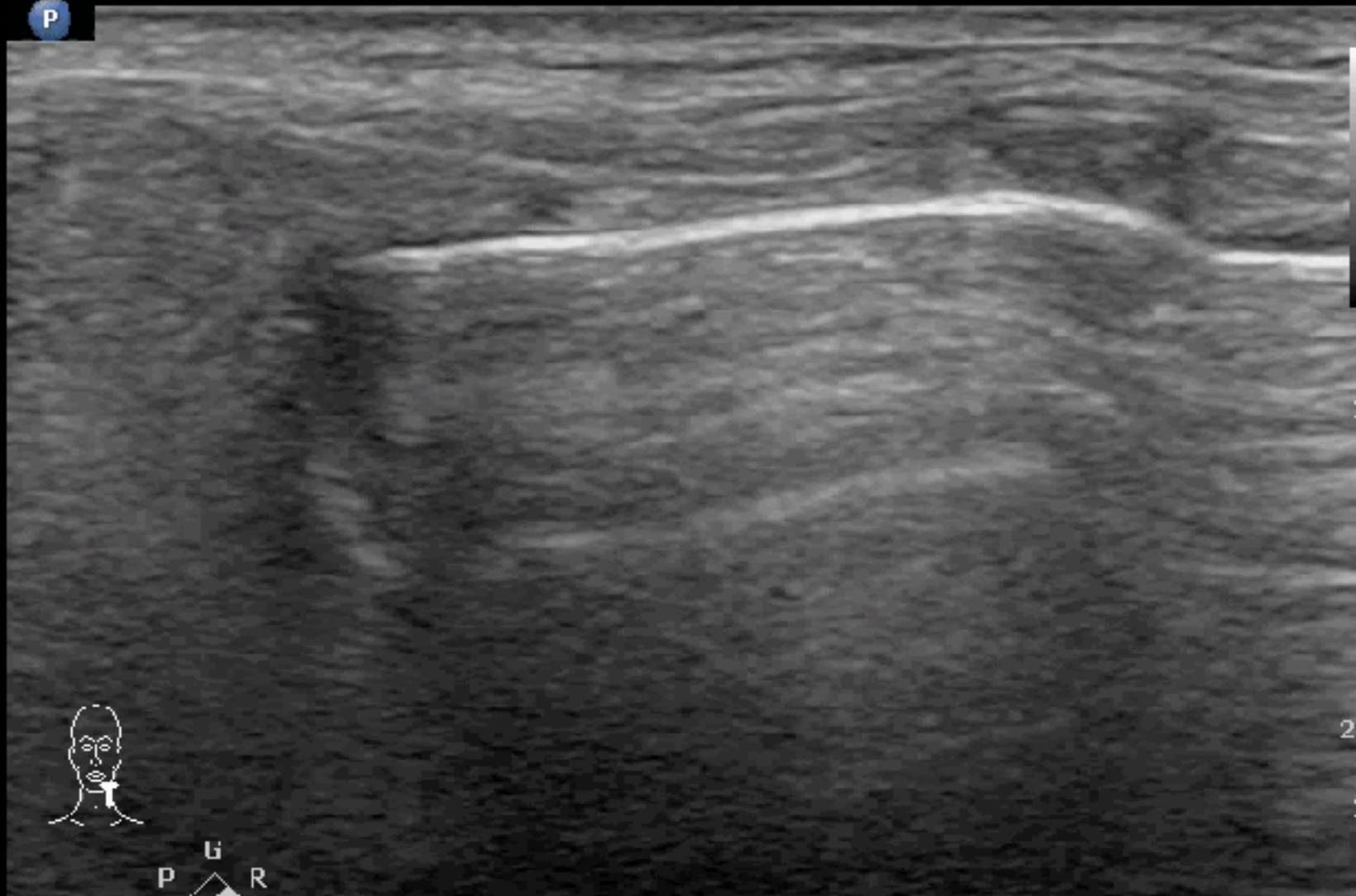
2

# Cartilage numbers ?

Superficial  
L12-3  
50 Hz  
2.5cm

2D

Res  
Gn 100  
C 56  
3 / 2 / 1



# Moving structure ?

Superficial  
L12-3  
46 Hz  
3.5cm

2D  
Res  
Gn 100  
C. 56  
3 / 2 / 1

P



F  
P R  
30 120

2

3.5cm



# Phonation

Superficial  
L12-3  
43 H7  
4.0cm

2D

Res  
Gn 100  
C 56  
3 / 2 / 1

P



G  
P R  
20 130

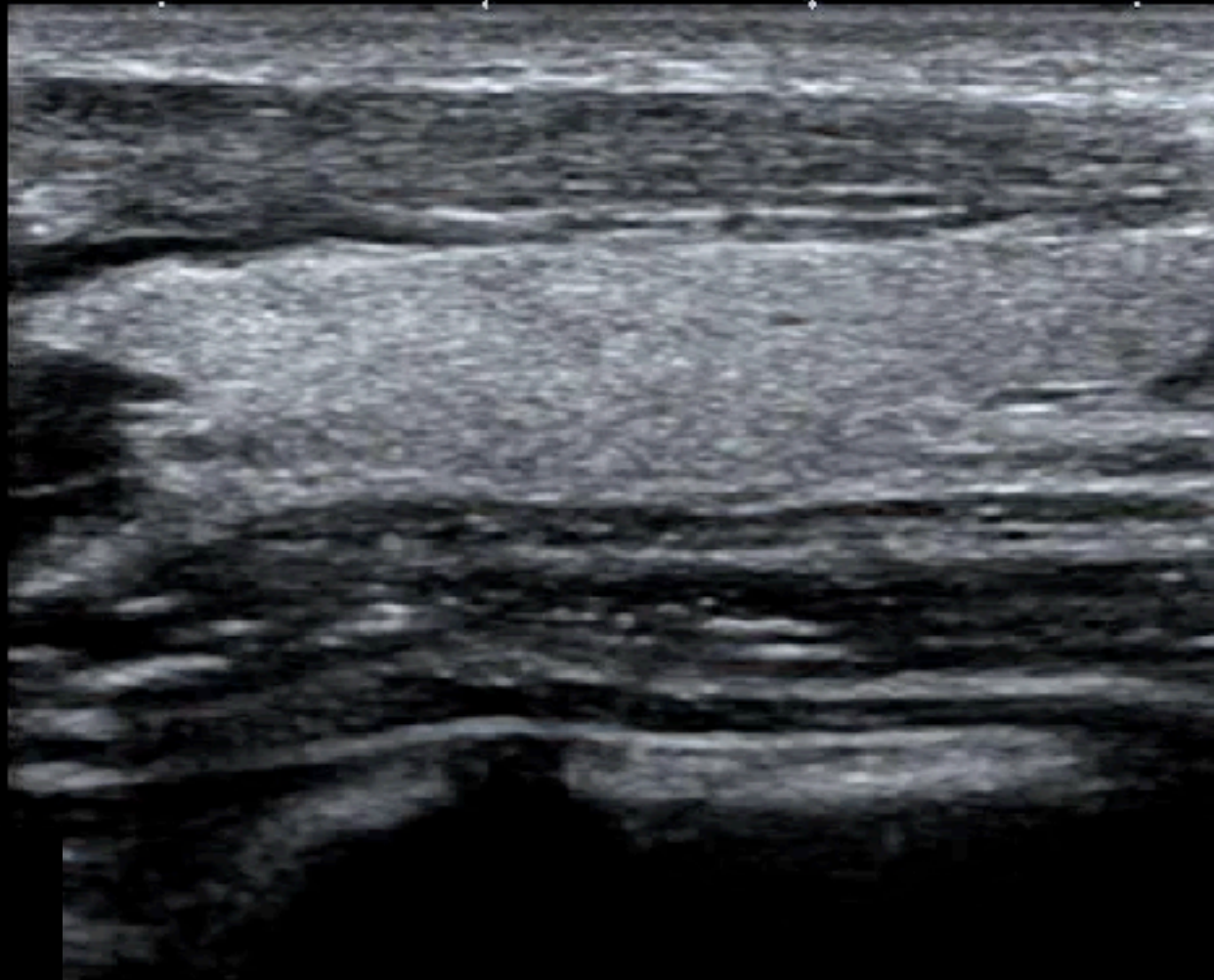
2  
4.0cm

# Indicate esophagus

13-12A / SmallParts / FPS40 / MI0 96 / TIs0 1 / 01-09-2016 10:30:16 AM  
2D G53/DR58/FA4/P90/2.7/Frq Pen./3.5cm



# Name of GI structure

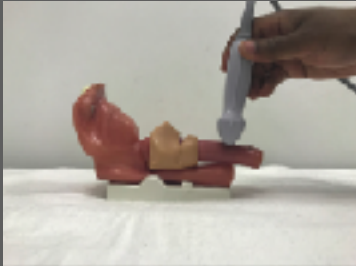


Precision A Pure+

MI  
1.5  
11L4  
diffT9.0  
30 fps  
G:83  
DR:80  
A:5  
P:1

# Match !!

1



5



2



6



3



7



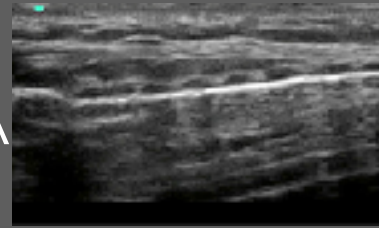
4



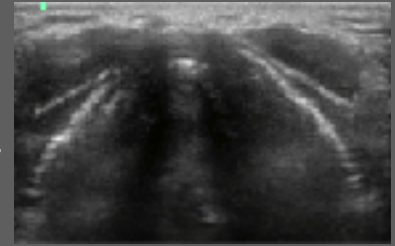
8



A



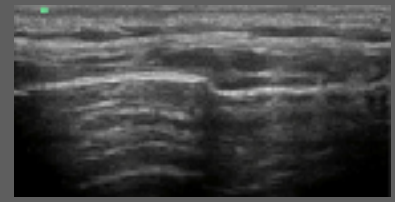
E



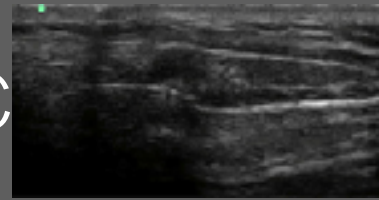
B



F



C



G



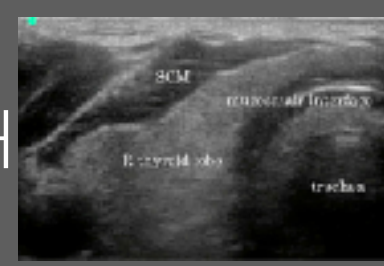
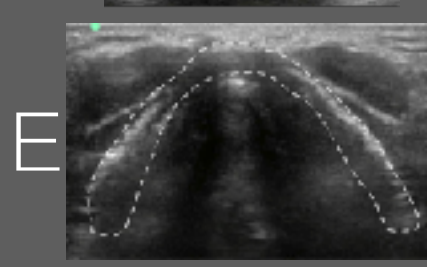
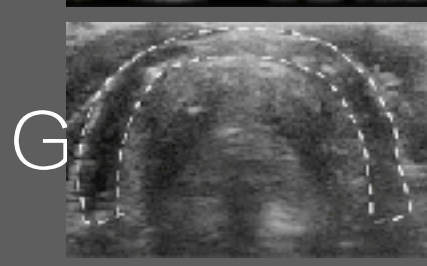
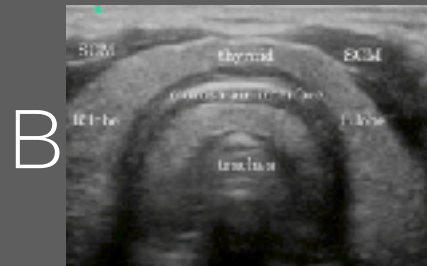
D



H



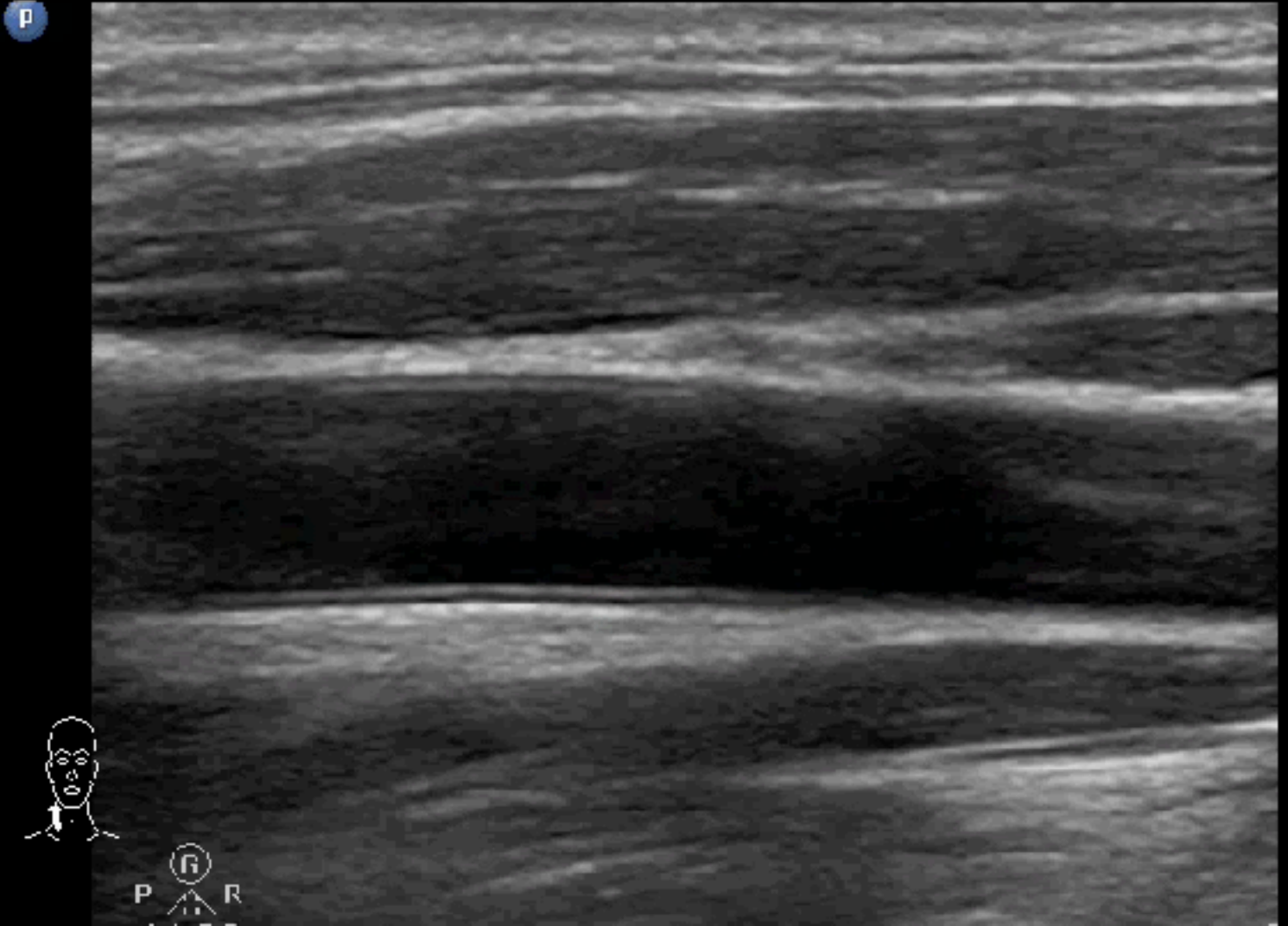
# How good you are ?



# Common carotid a.

Abd Gen  
L12-3  
42 Hz  
3.0cm

2D  
HGen  
Gn //  
C. 56  
3/3/4

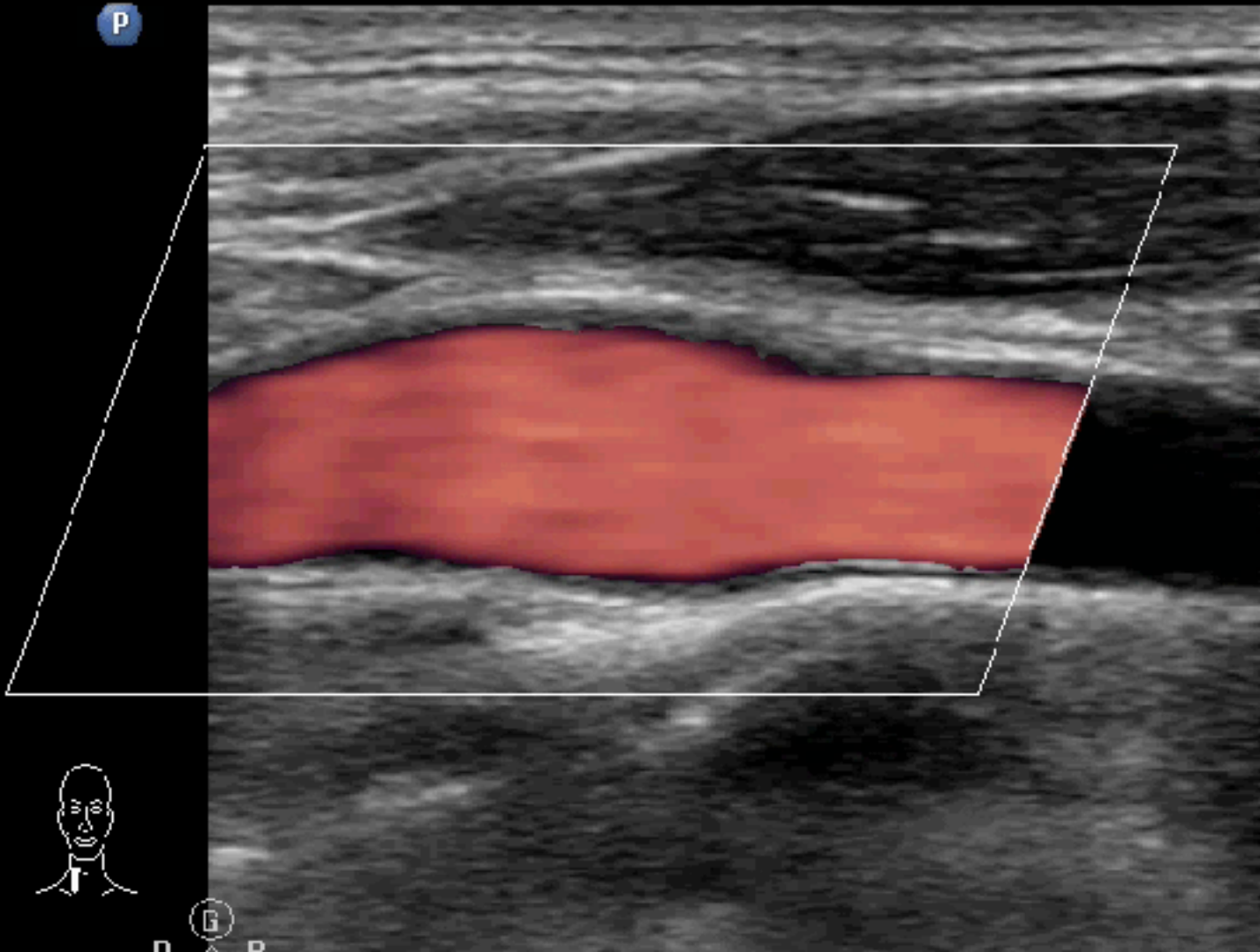


# Carotid sinus massage

Arterial  
12-3  
0 Hz  
3.5cm

D  
HGen  
Gn 50  
C 41  
3/3/2

PA  
5.0 MHz  
Gn 29  
1/8/6  
Filtr Med  
BaseIn 3



1.0

PRF

2



G

D

R

# Internal jugular v.

Abd Gen  
\_12-3  
42 Hz  
3.0cm

2D  
HGen  
Gn 77  
C 56  
3 / 3 / 4

P





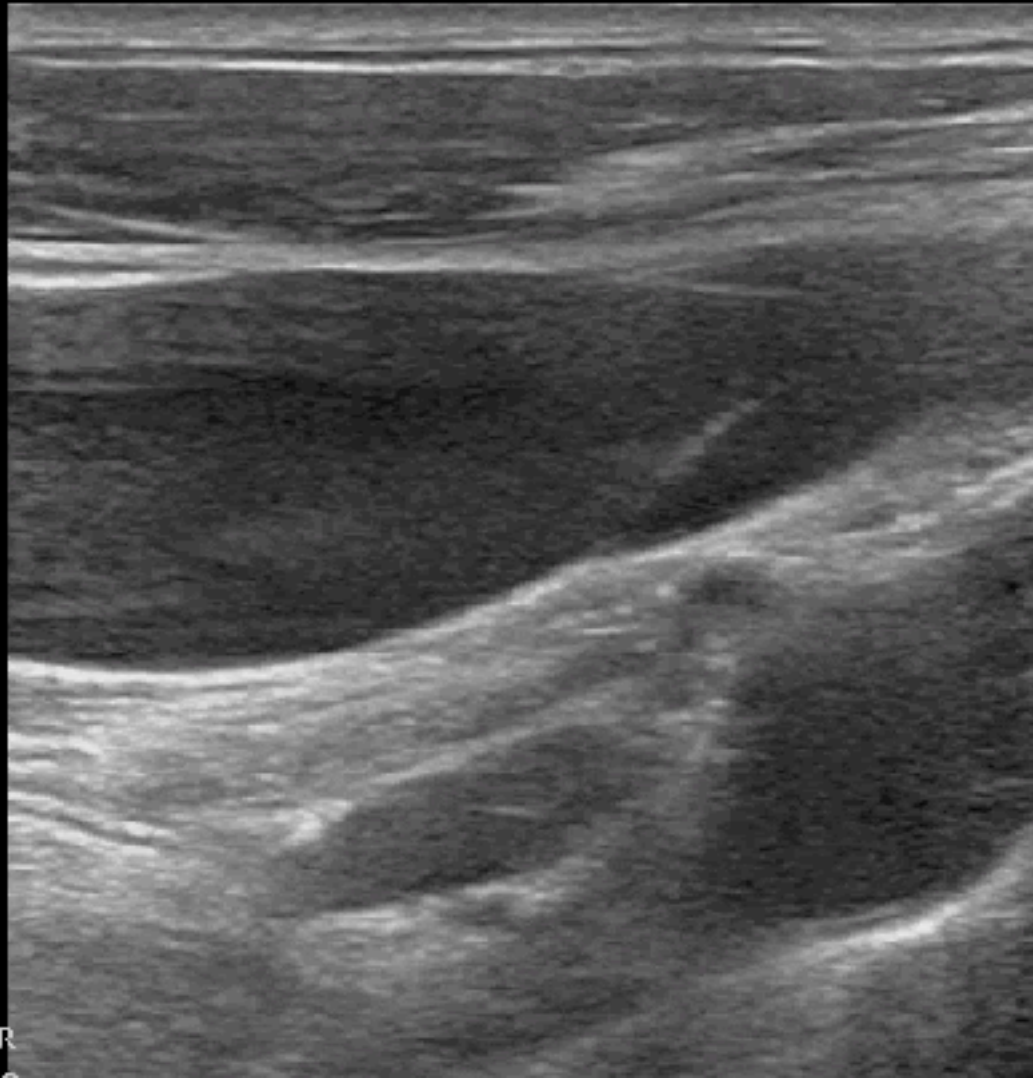
# Valsalva maneuver

Superficial  
L12-3  
43 Hz  
4.0cm

2D  
Res  
Gn 100  
C. 56  
3 / 2 / 1



P R  
30 40 50



2

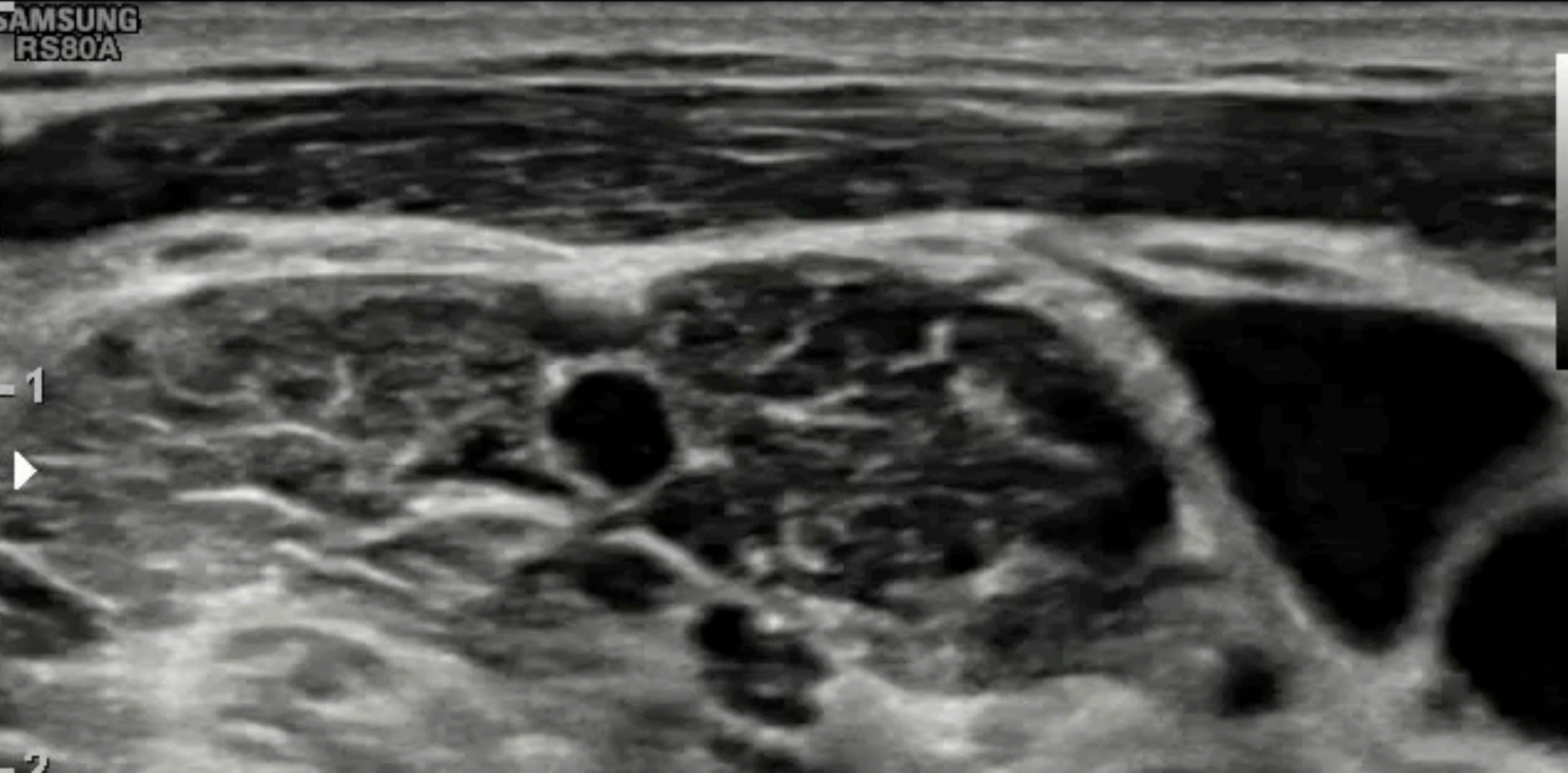
10

# Interscalene B.P.

2D G54/DR58/FA4/P90/2.7/Frq Pen./2.5cm



SAMSUNG  
RS80A



-1

-2

# Omohyoid muscle

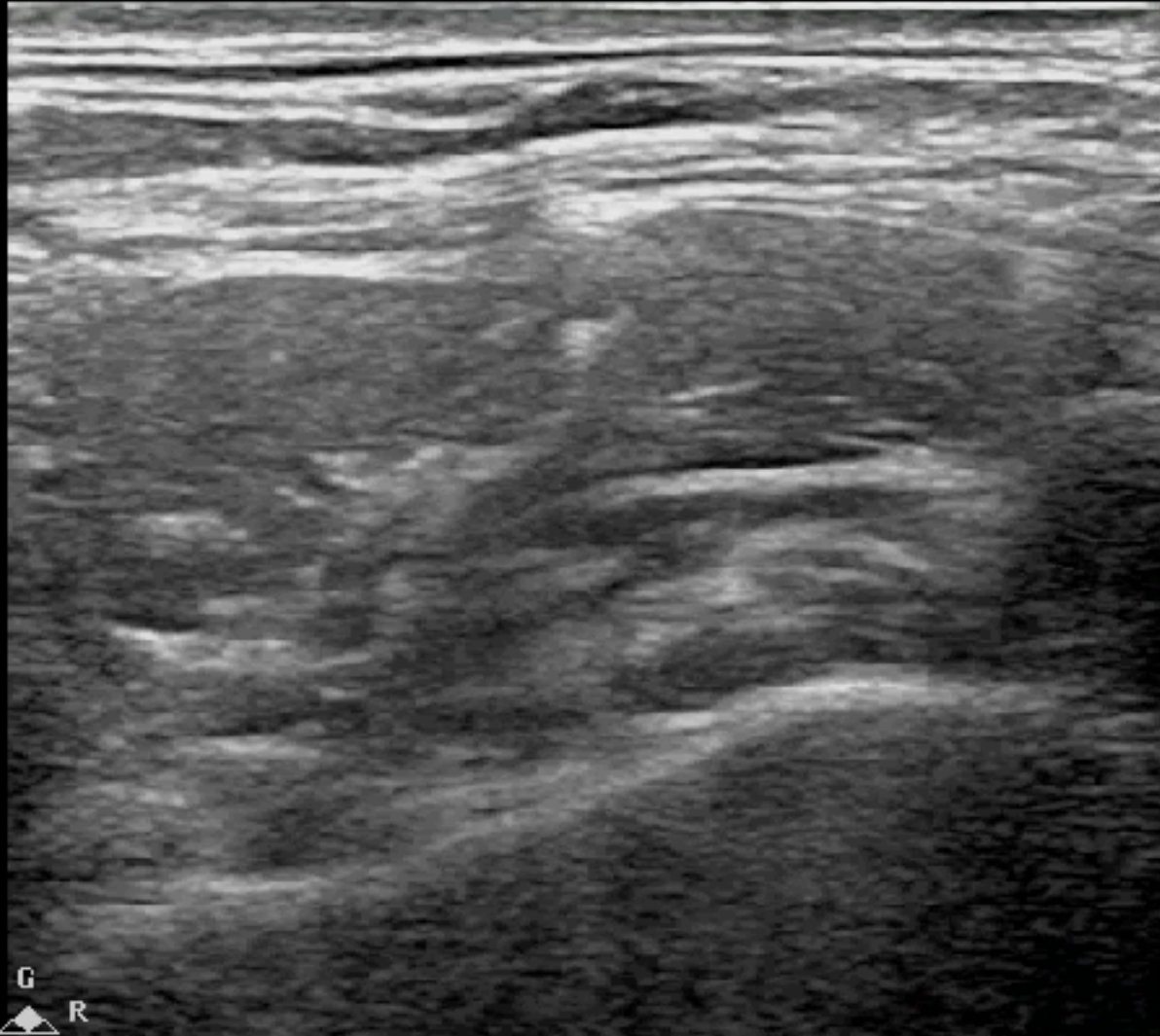
Superficial

| 12-3  
46 Hz  
3.5cm

2D

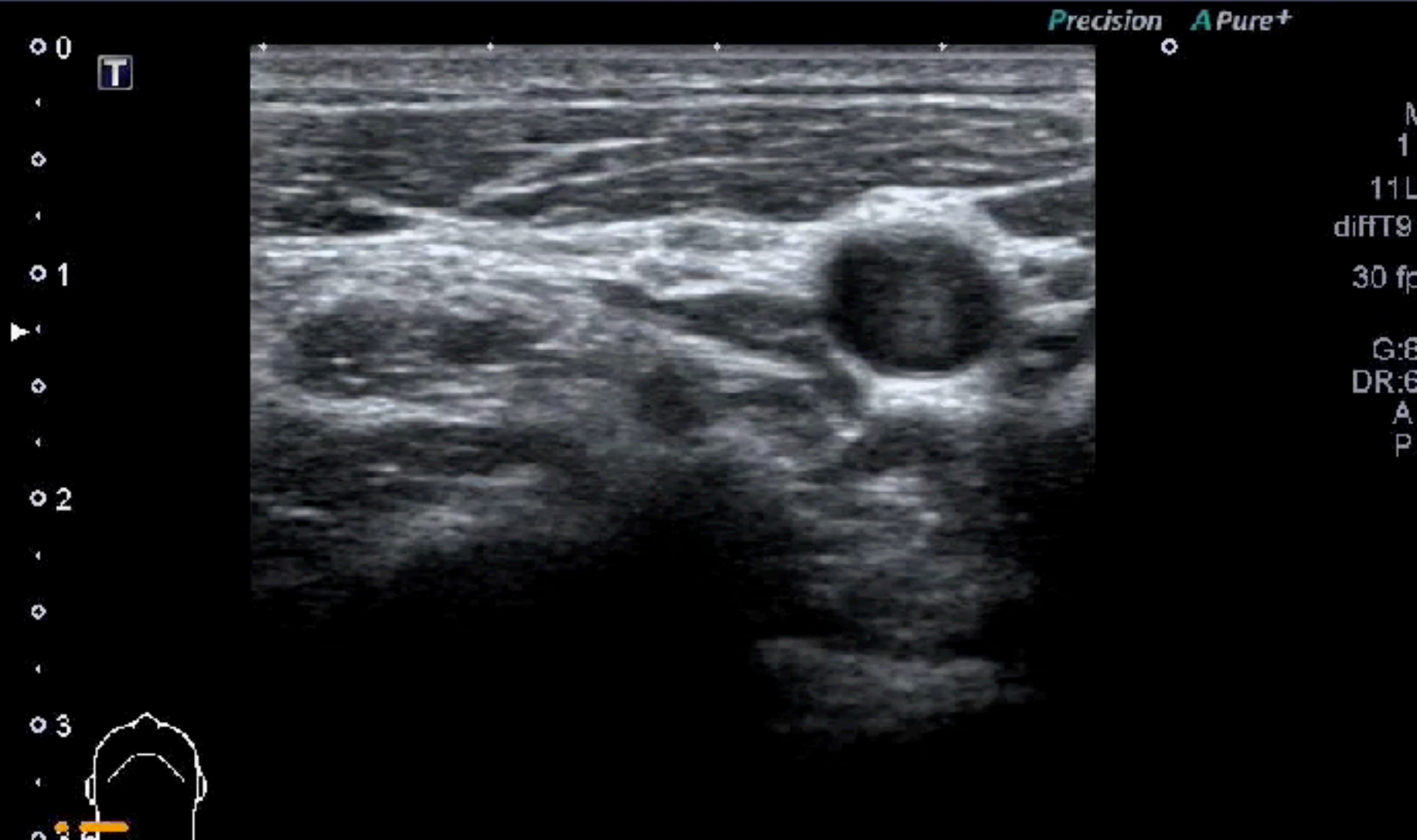
Gen  
Gn 89  
C 36  
3/7/1

P



P  
G  
R

# No. of cervical roots



# Structure of the letters

2D G53/DR58/FA4/P90/2.7/Frq Pen./3.5cm



SAMSUNG  
RS80A

-1

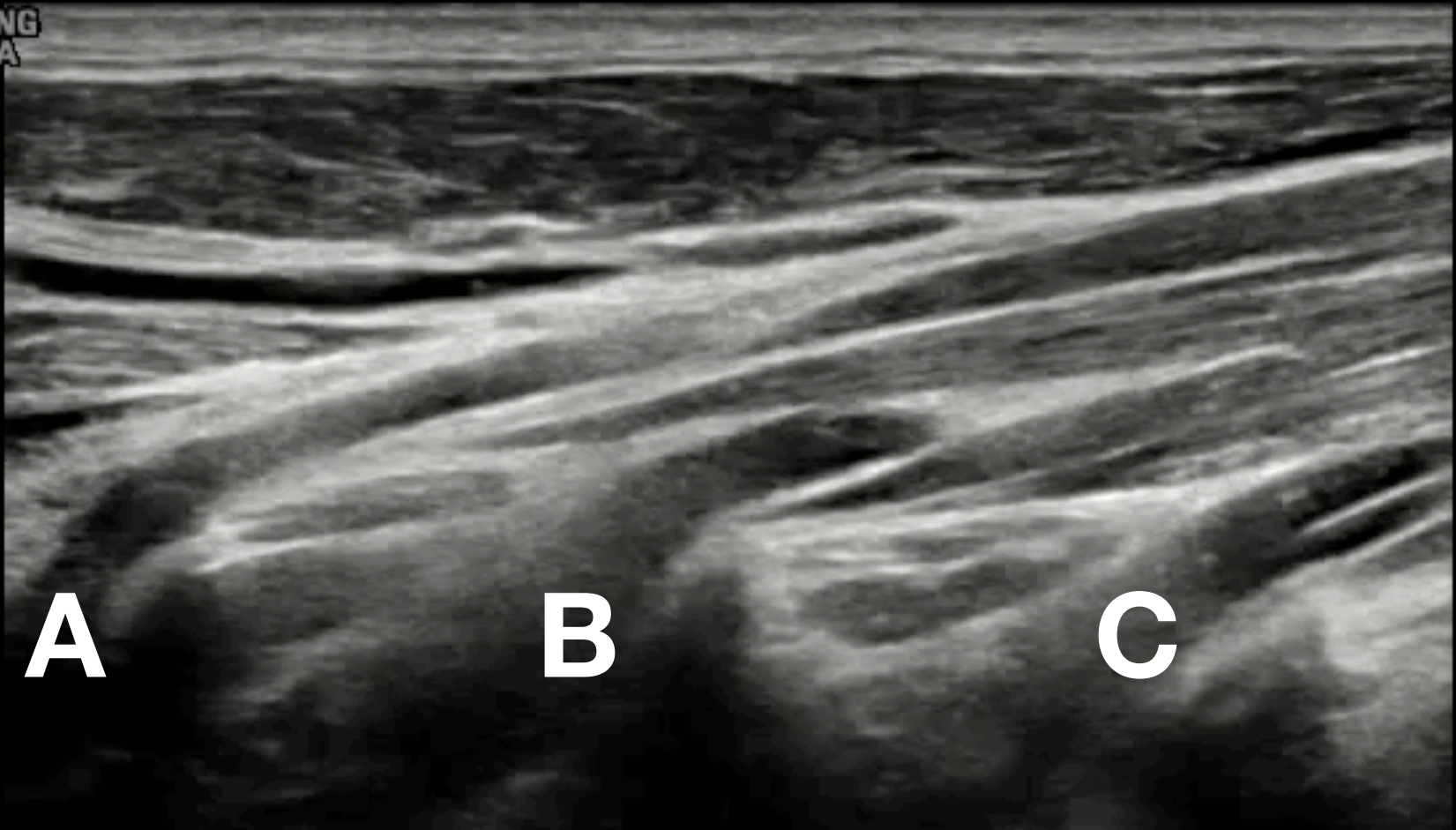


-2

A

B

C



# Name the vessel

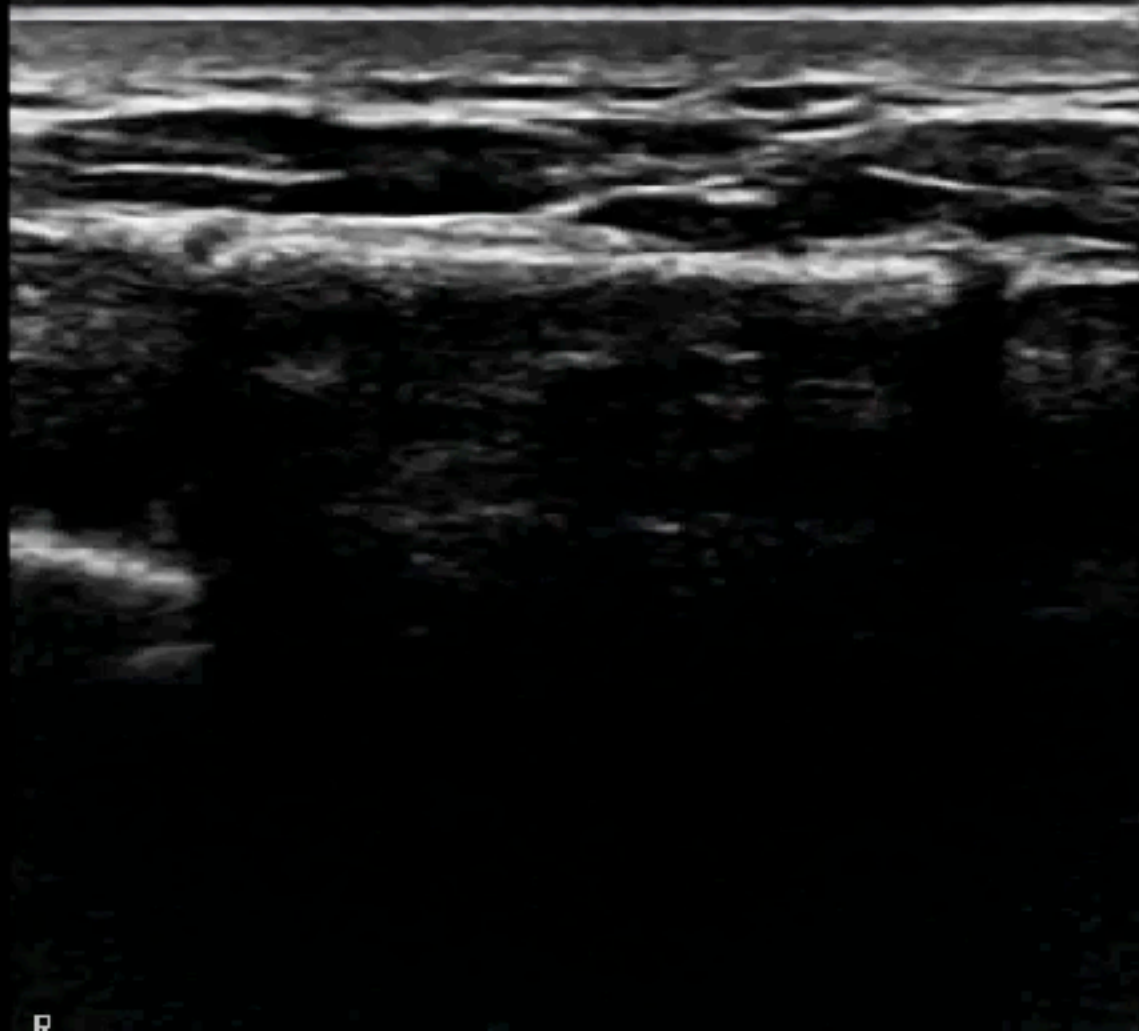


# Name of the structure

SIIII-Linear  
12-4  
27 Hz  
3.5cm

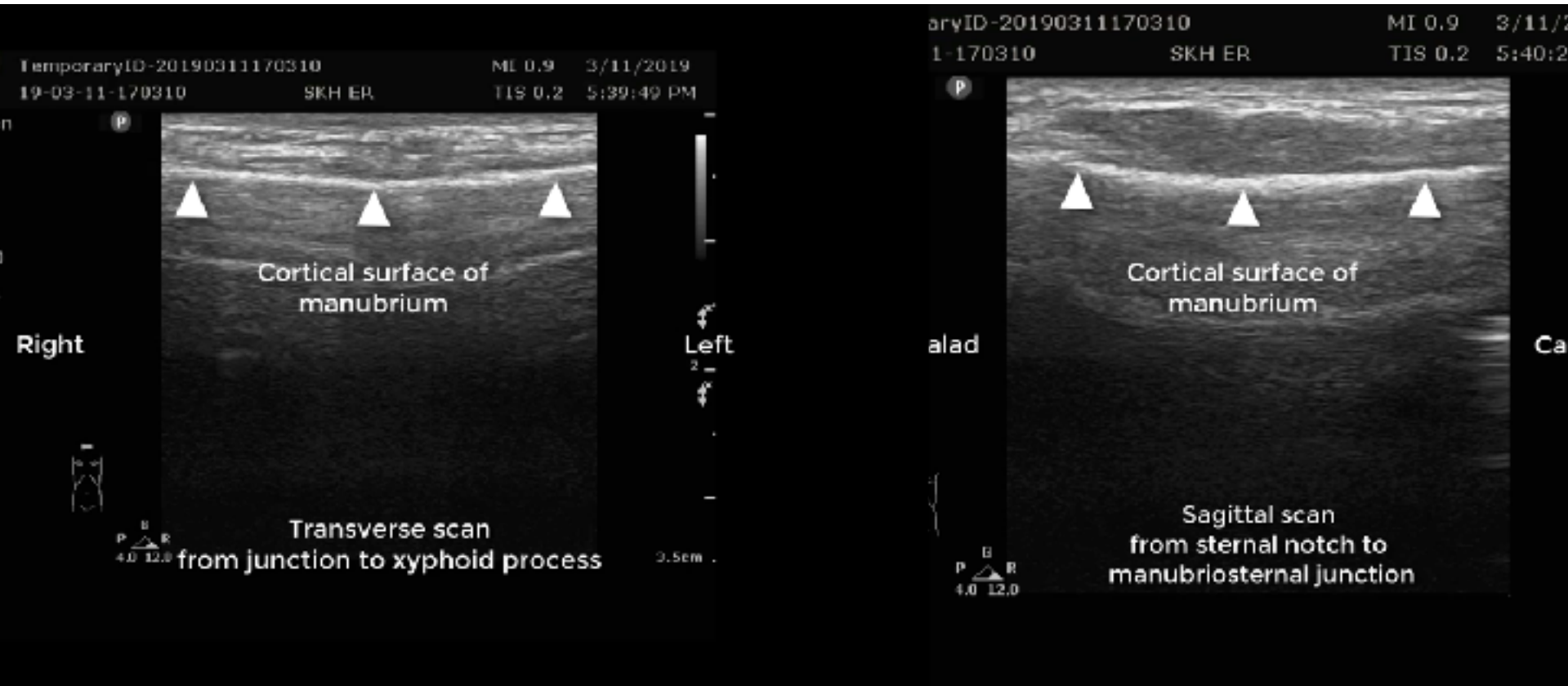
D  
Gen  
Gn 55  
C 53  
G / 3 / 3

p



2

# Sternum





# Cartilage

PHILIPS TemporaryID-20190311170310  
19-03-11-170310

SKH ER

MI 0.9 3/11/2019  
TIS 0.2 5:40:55 PM

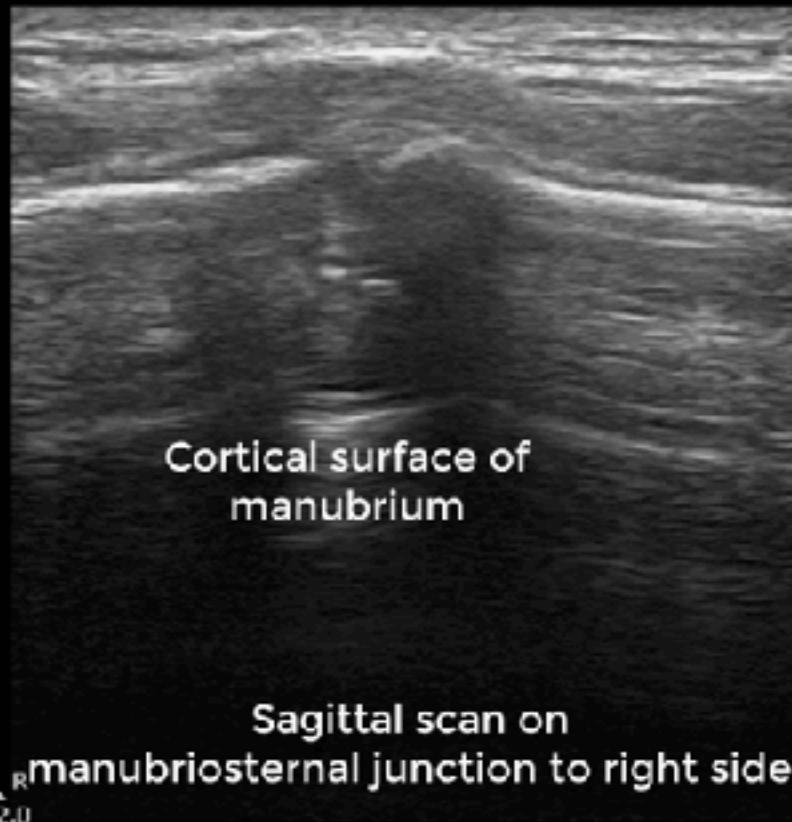
MSK Gen  
L12-4  
42 Hz  
3.5cm

2D  
Res  
Gn 100  
58  
4/3/4

Cephalad



P G R  
4.0 12.0



Caudal

3.5cm

# Structure with AS

SHIH-Linear  
L12 4  
27 Hz  
3.5cm

2D  
Gen  
Gn 55  
C 53  
6 / 3 / 3

P



2

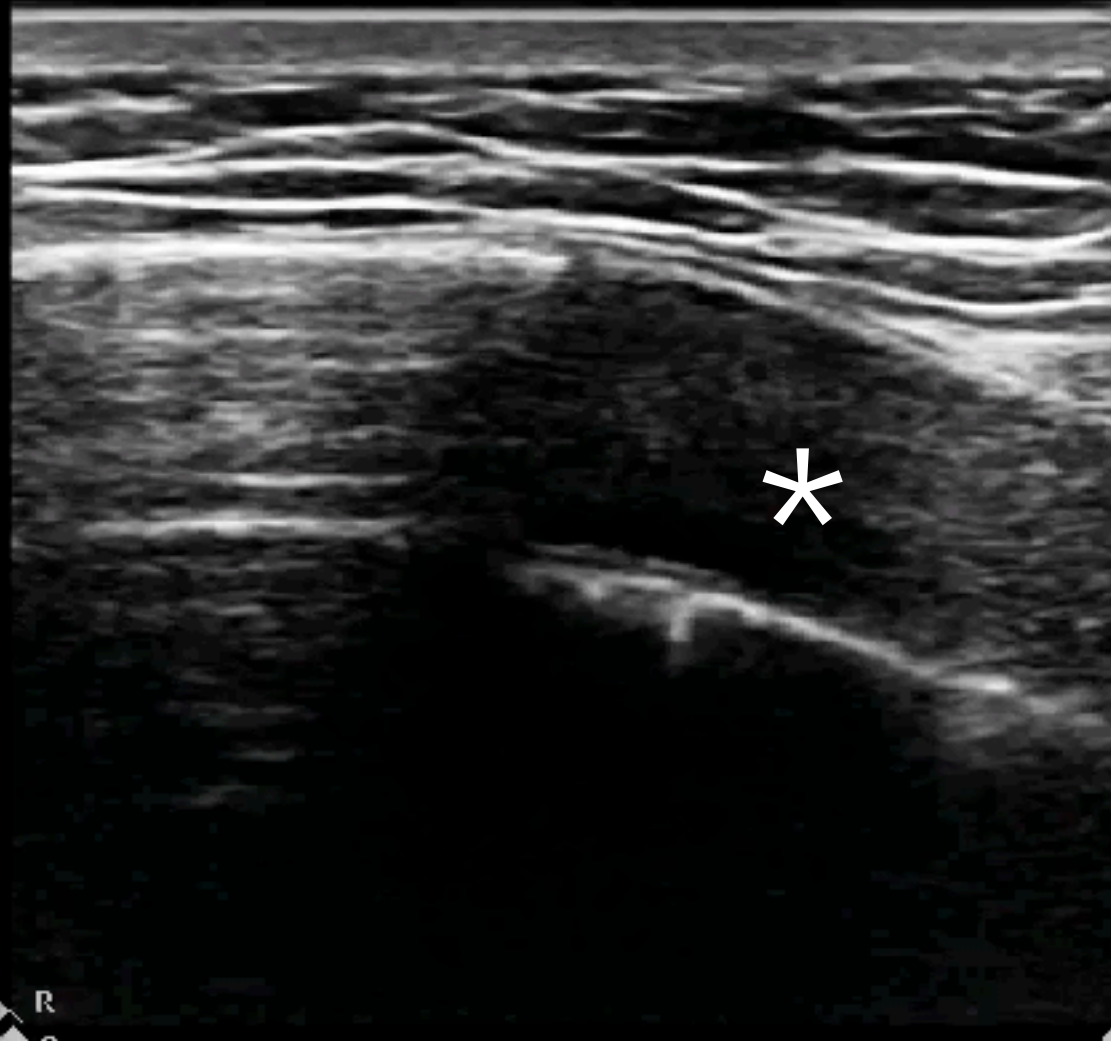
3.5cm

# Name the structure

SHIH Linear  
L12-4  
27 Hz  
3.5cm

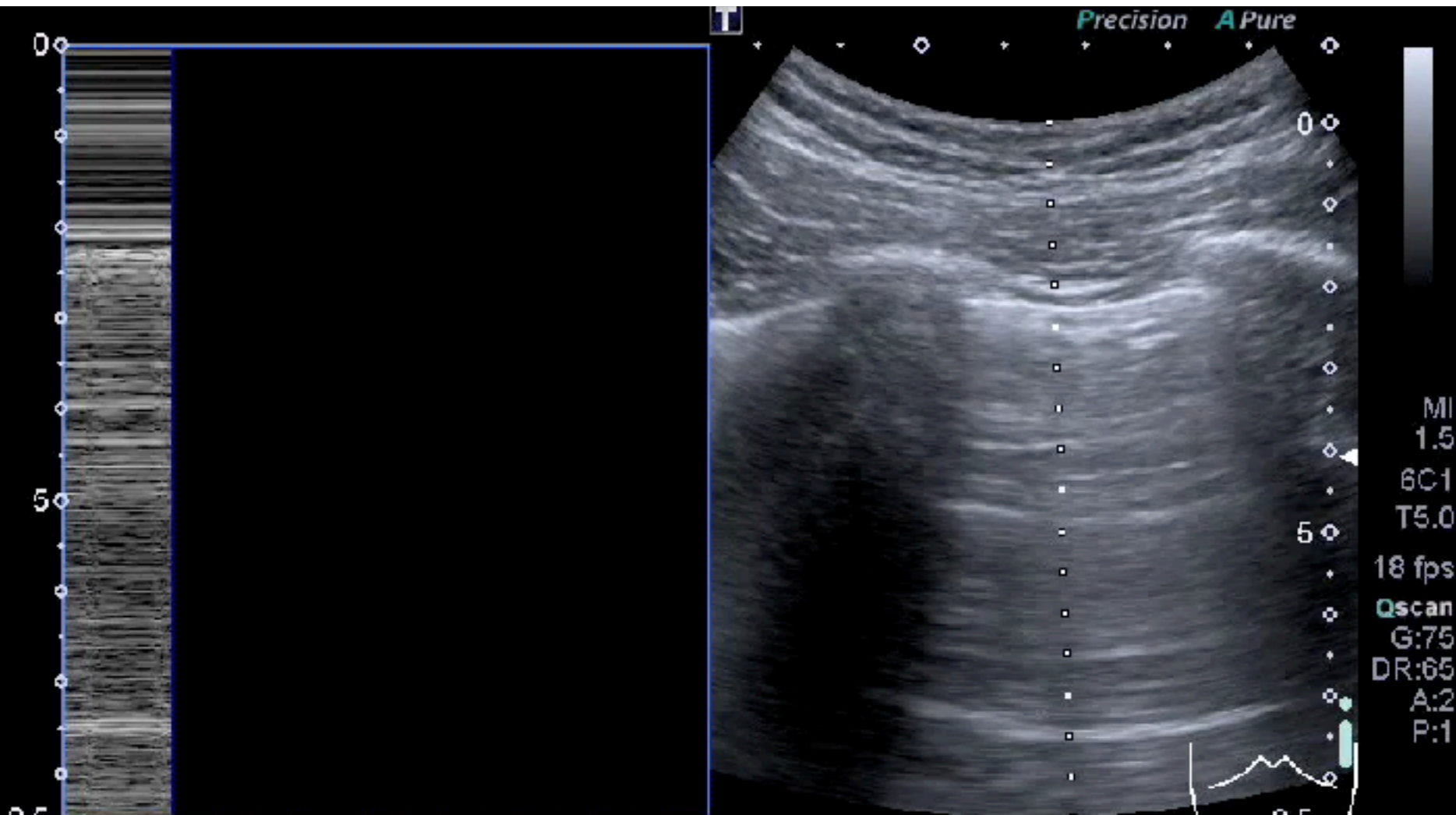
P

2D  
Gen  
Gn 55  
C. 53  
6/3/3

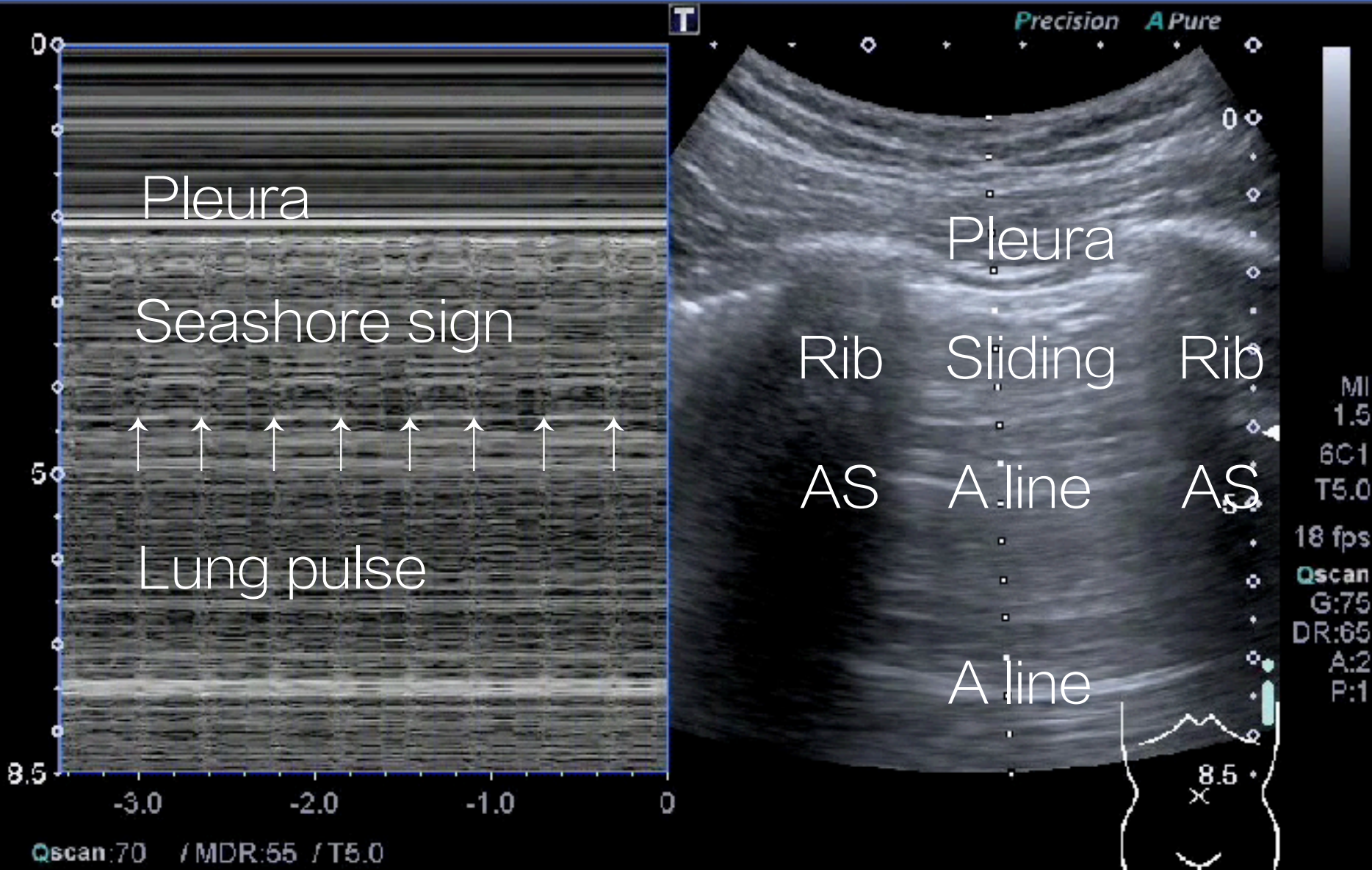


3.5cm

# Read & Name all signs

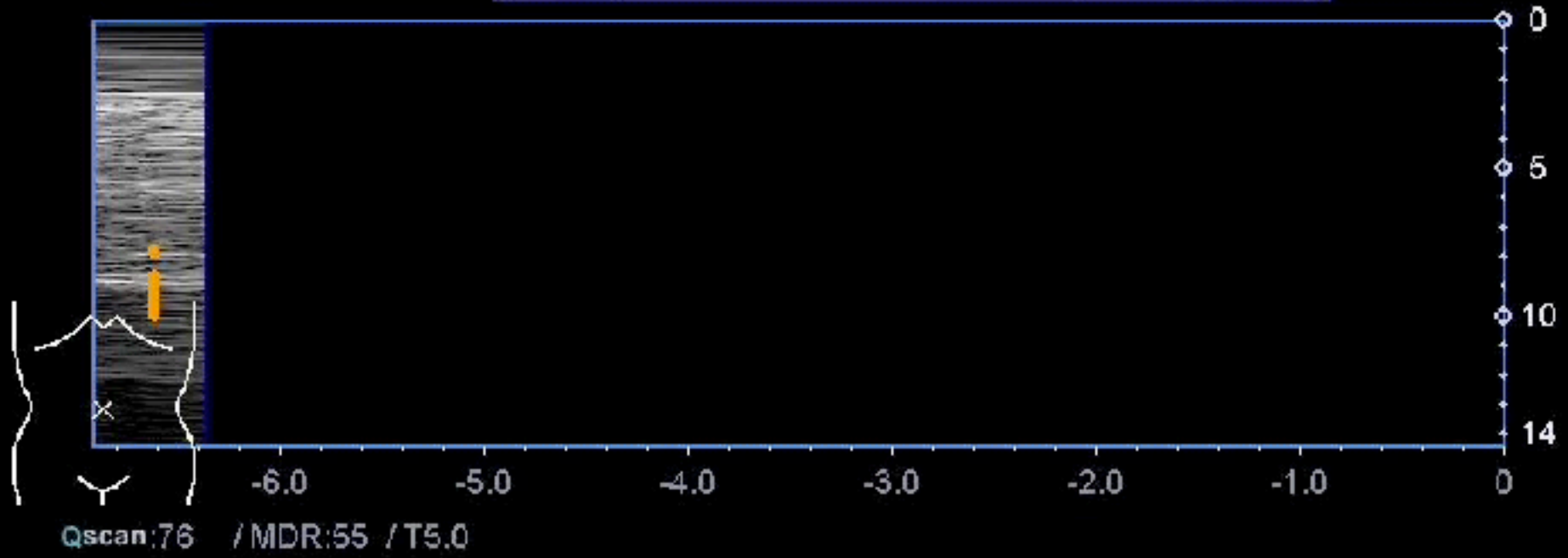


# Normal Lung



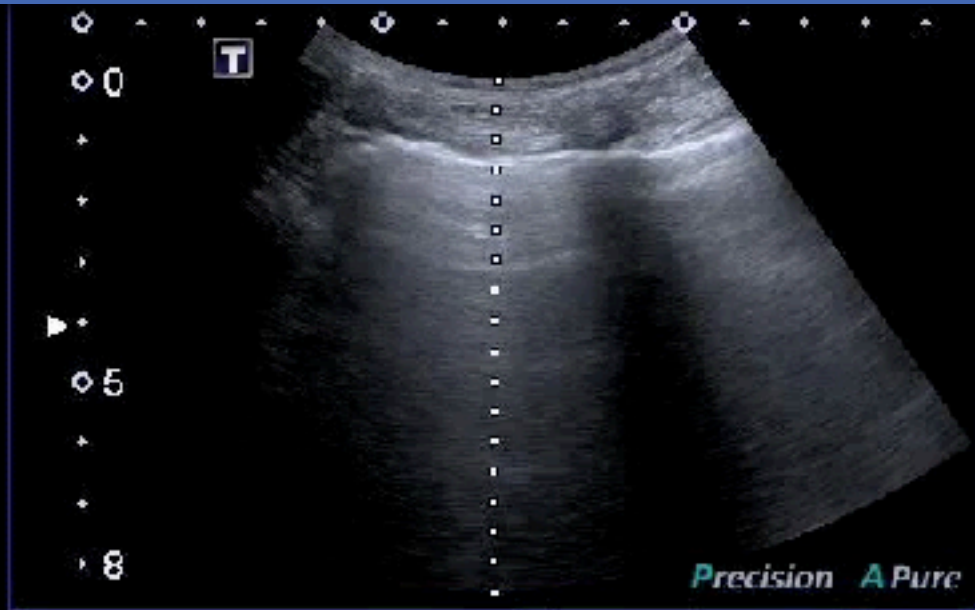
# No. of A lines

MI:1.3  
6C1  
T5.0  
13 fps  
Qscan  
G:81  
DR:65  
A:2  
P:1

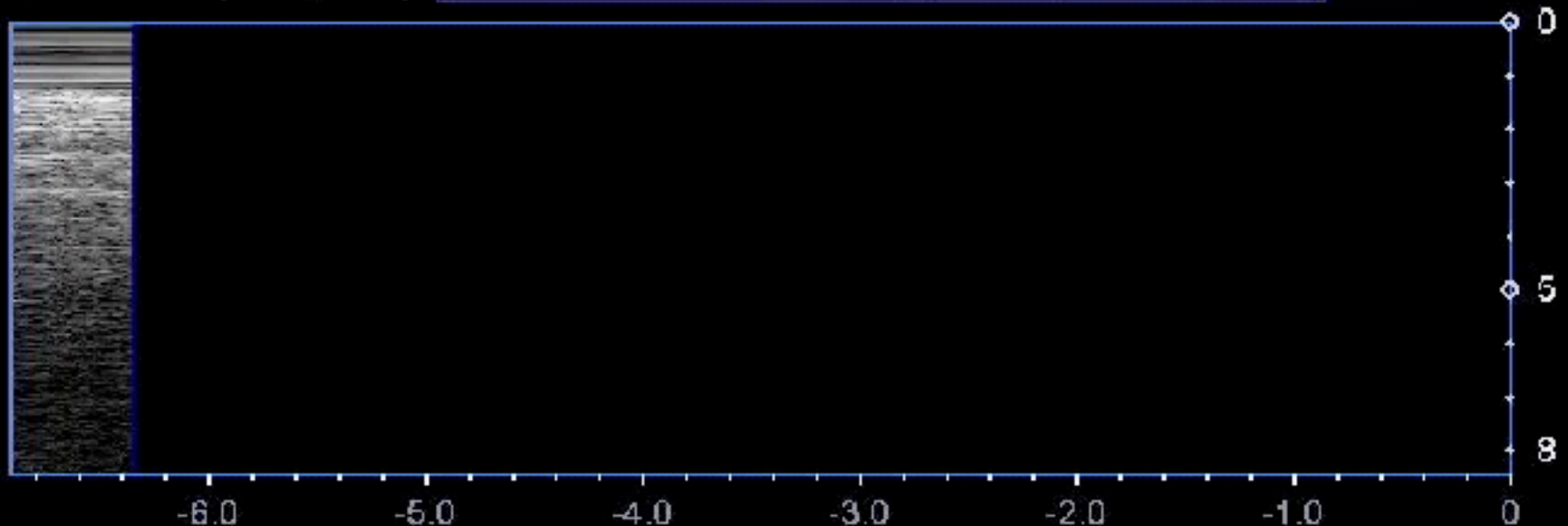


# 幾歲男性？

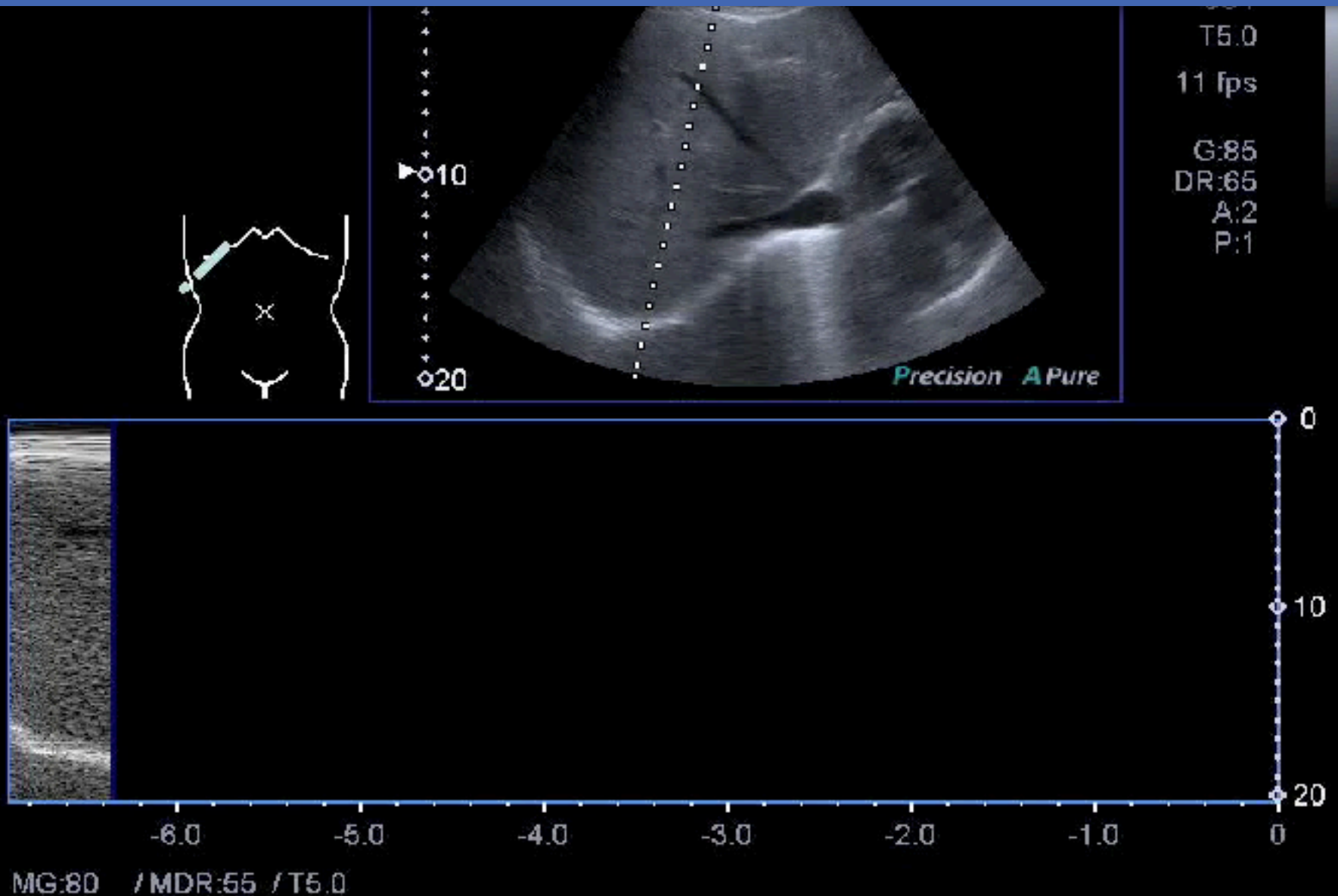
TOSHIBA  
Xario 700 Web



MI:1.5  
6C1  
T5.0  
18 fps  
G:85  
DR:65  
A:2  
P:1

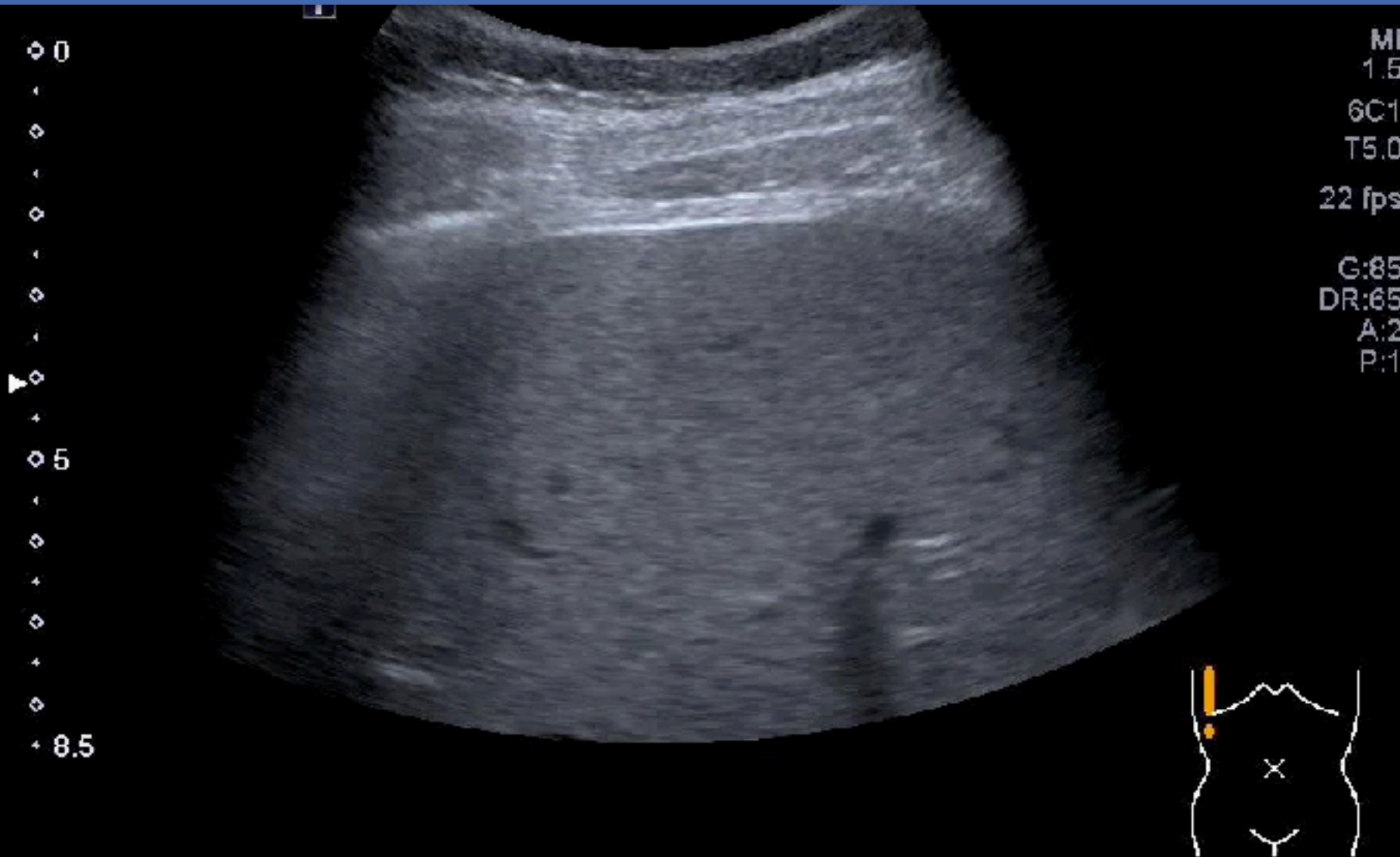


# Diaphragm excursion





# Diaphragm thickening fraction



# Diaphragm



# Indicate RV

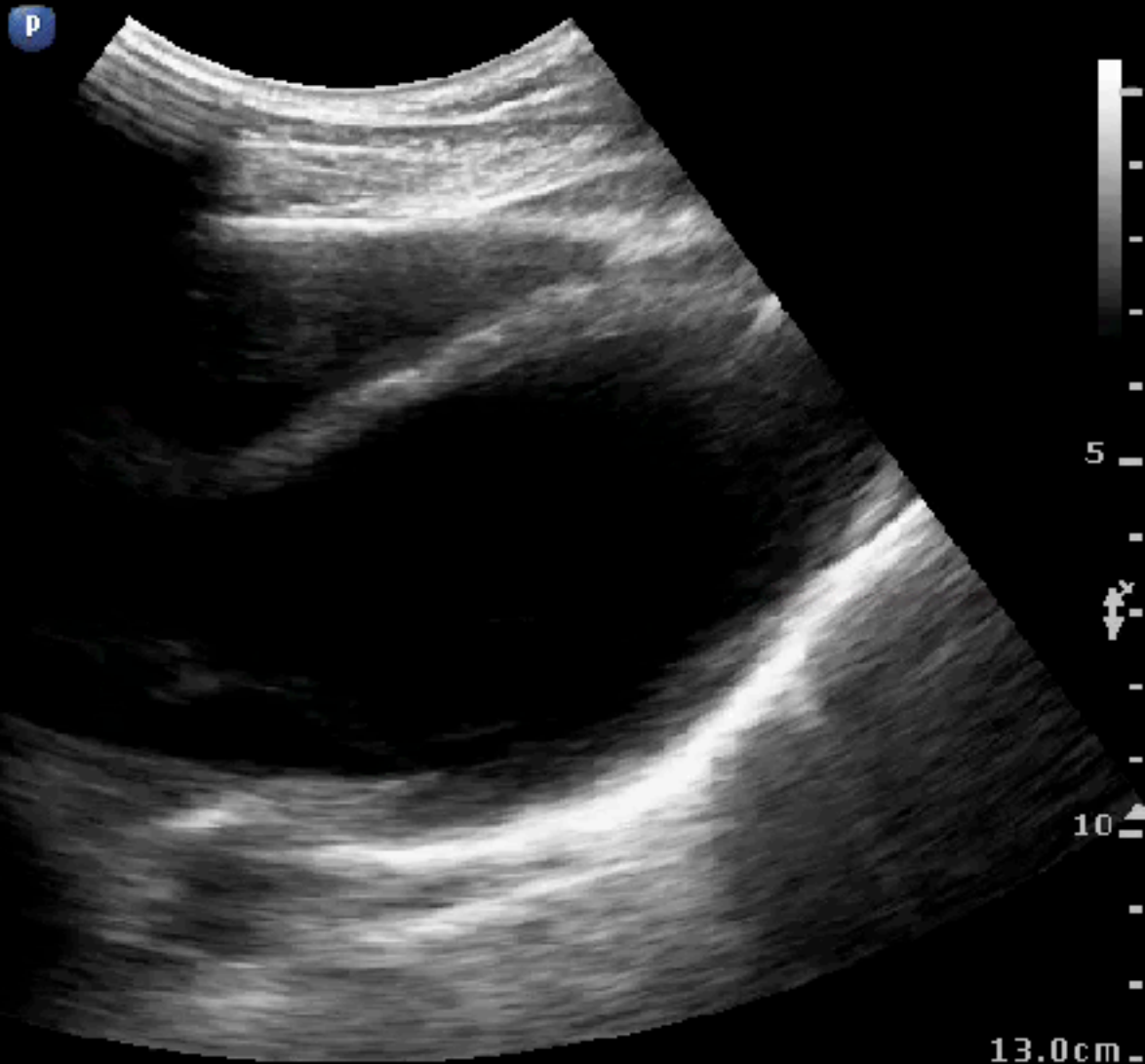
C Nerve  
C6-2  
22 Hz  
13.0cm

2D

Gen  
Gn 60  
C. 53  
2/3/2



R  
P R  
20 60



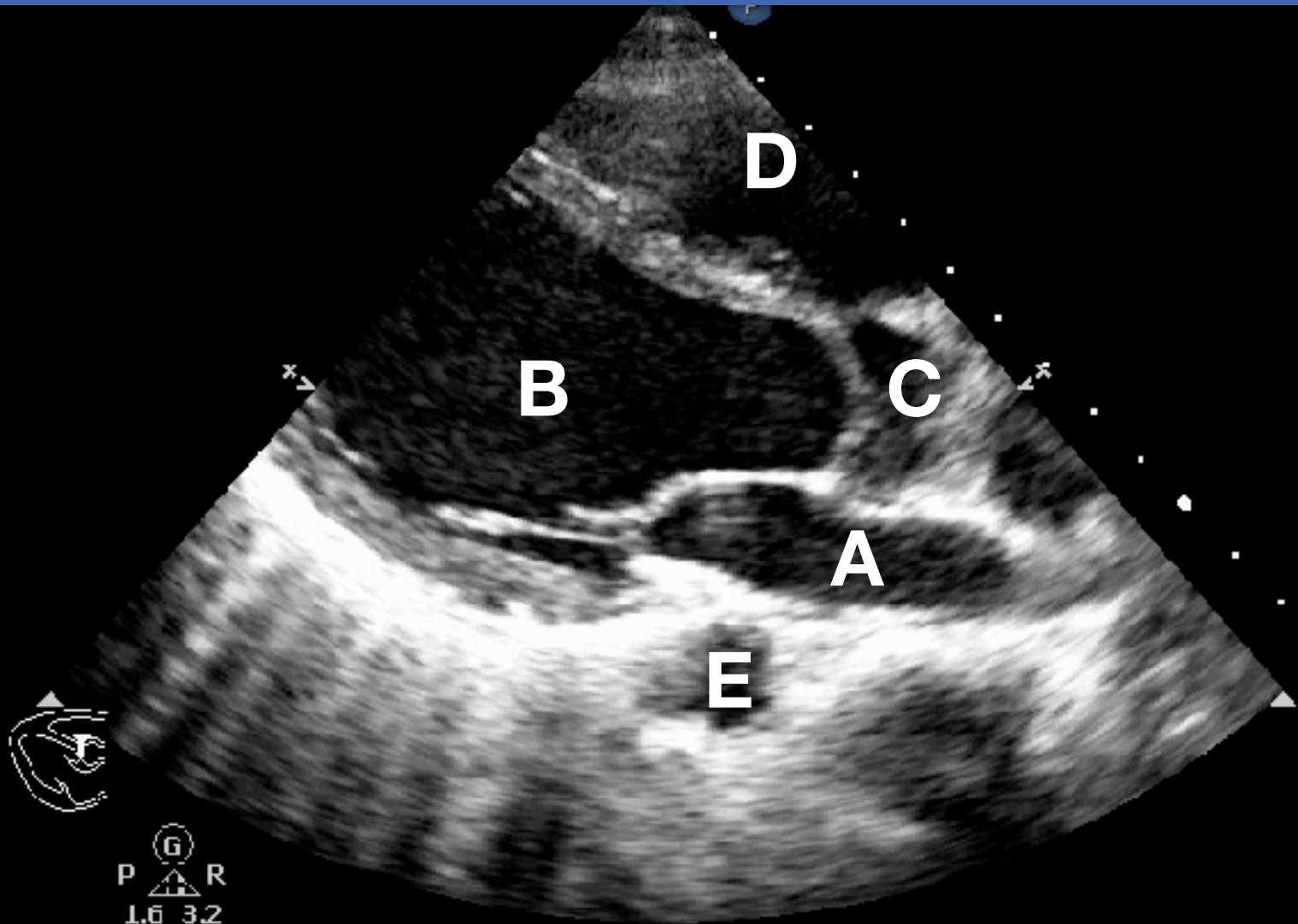
13.0cm



# Name structures

Adult Echo  
S5-1  
36 Hz  
14.0cm

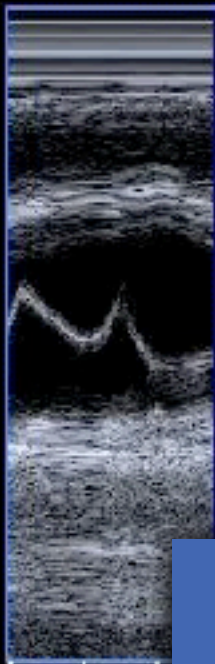
2D  
HGen  
Gn 36  
C 50  
3/2/0



Qscan  
G:91  
DR:55  
TE:3

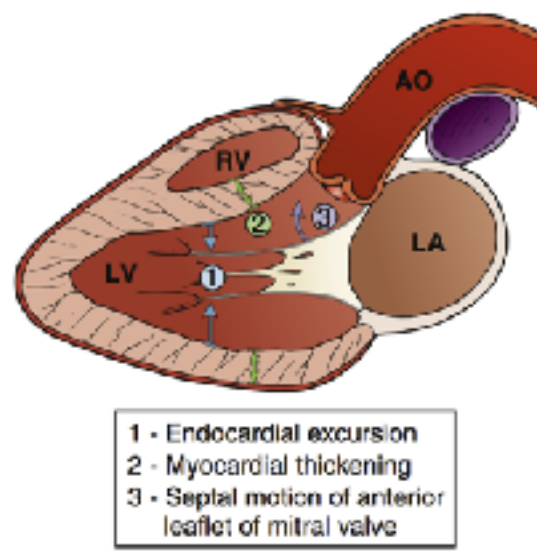


MI:1.5  
5S1  
T3.0  
25 fps

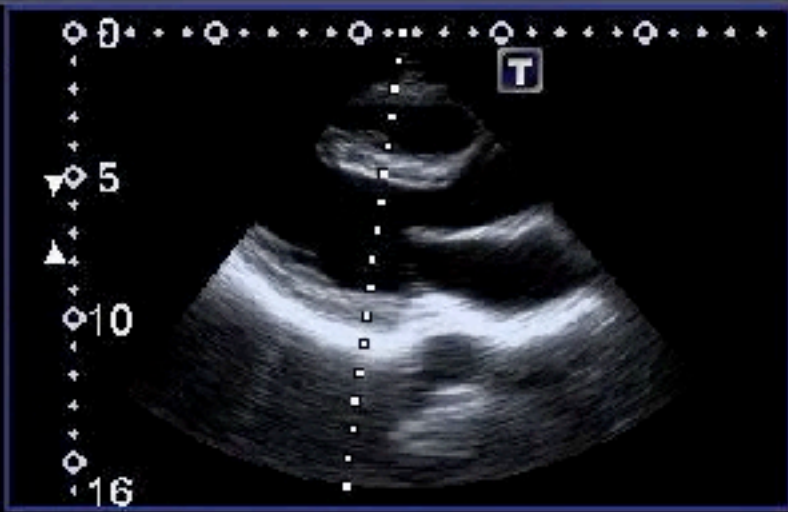


Qscan:86

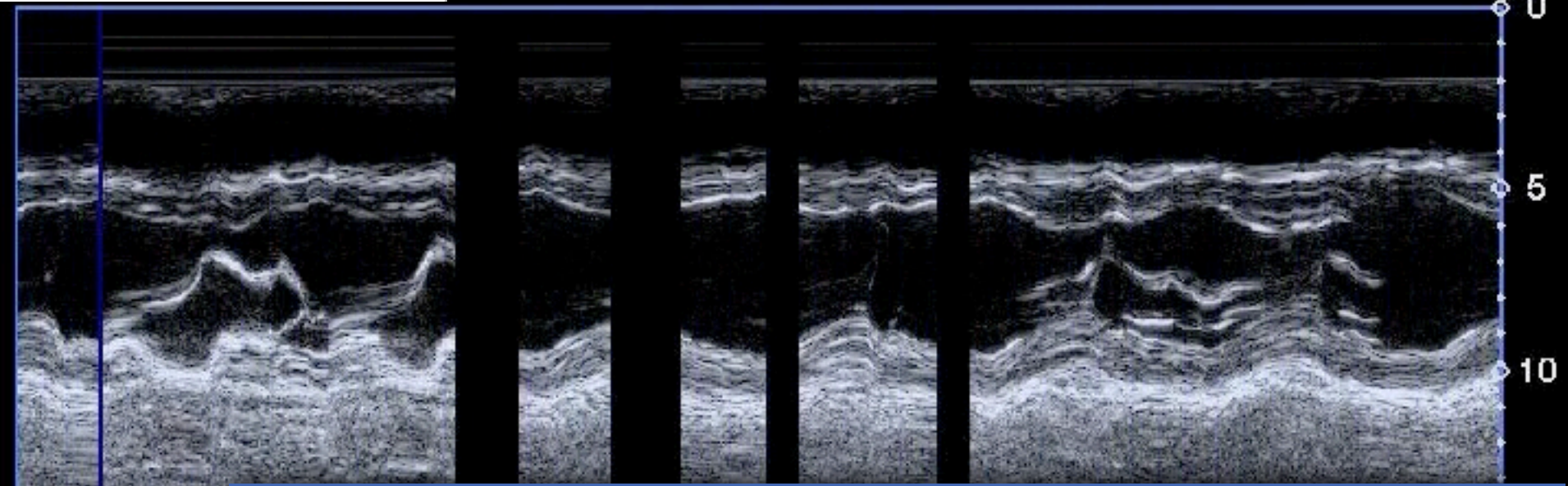
# E-Point Septal Separation



G:82  
 DR:55  
 TE:3



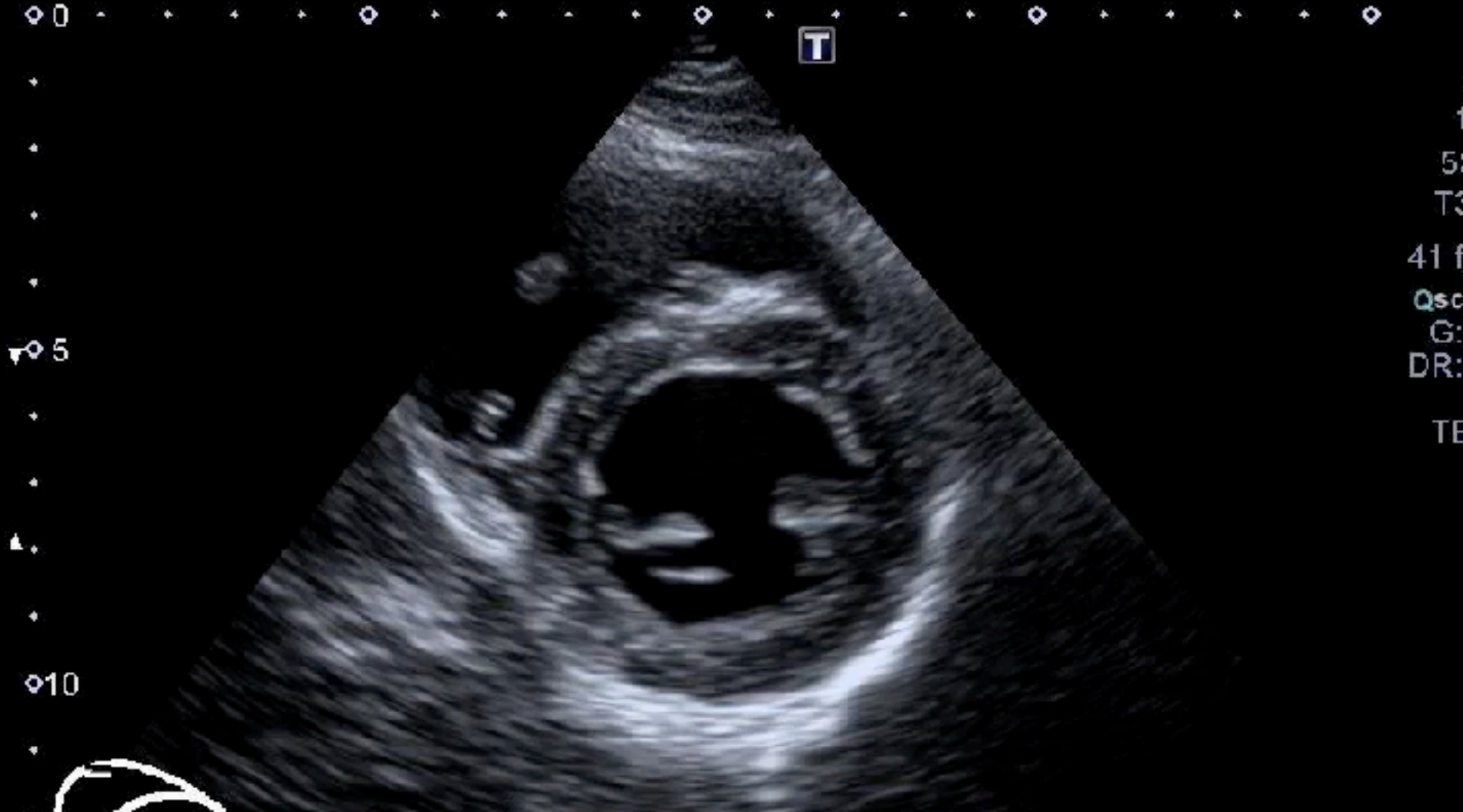
MI:1.5  
 5S1  
 T3.0  
 32 fps



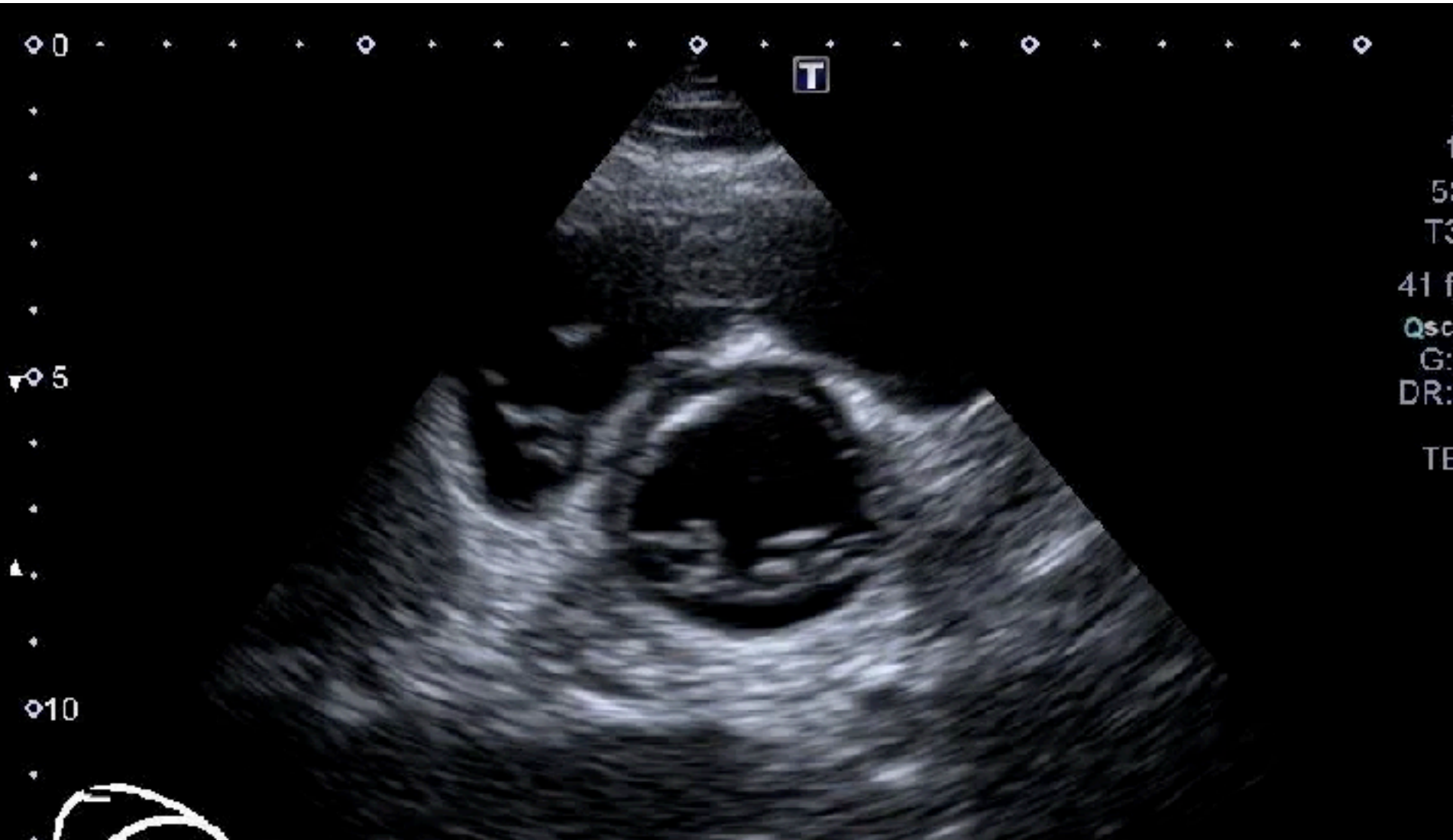
# Fraction shortening

-4.0  
 MG:77 / MD

# PSSA: level



# PSSA: level





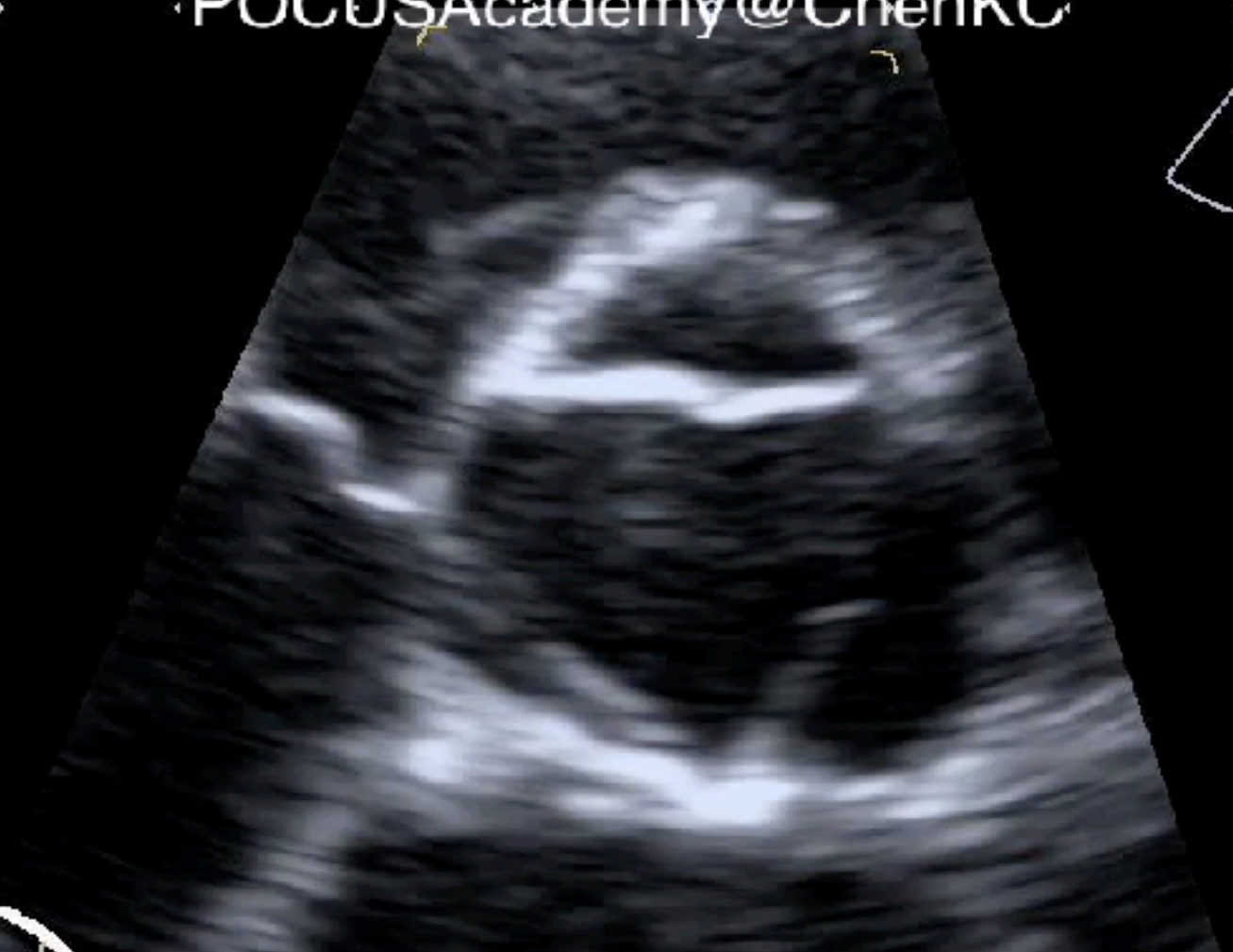
# Mercedes Benz sign

POCUSAcademy@ChenKC

T



MI  
1.4  
5S1  
T3.0  
71 fps  
Qscan  
G:97  
DR:55  
TE:3



5  
5

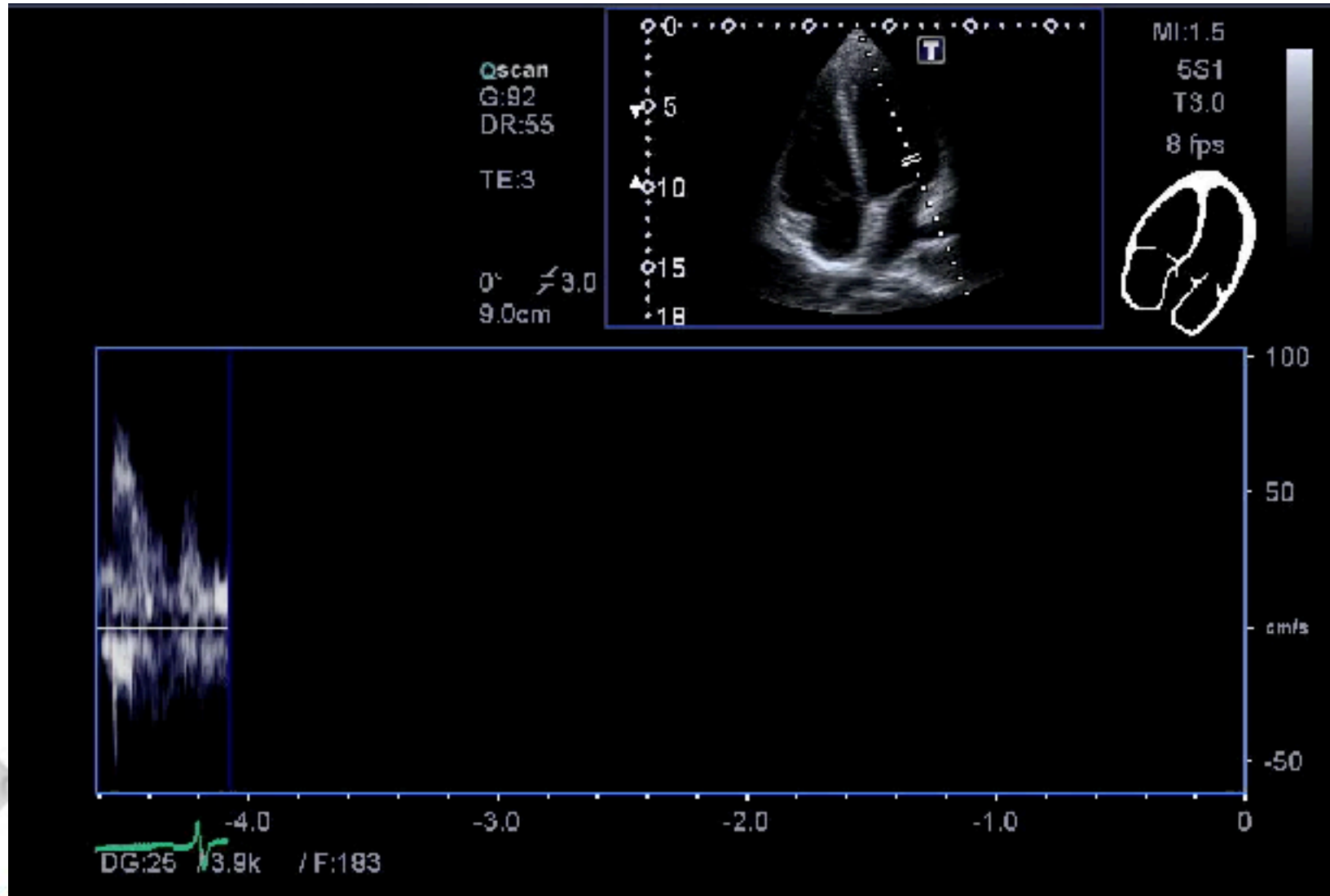
# 影片中出現的血管？



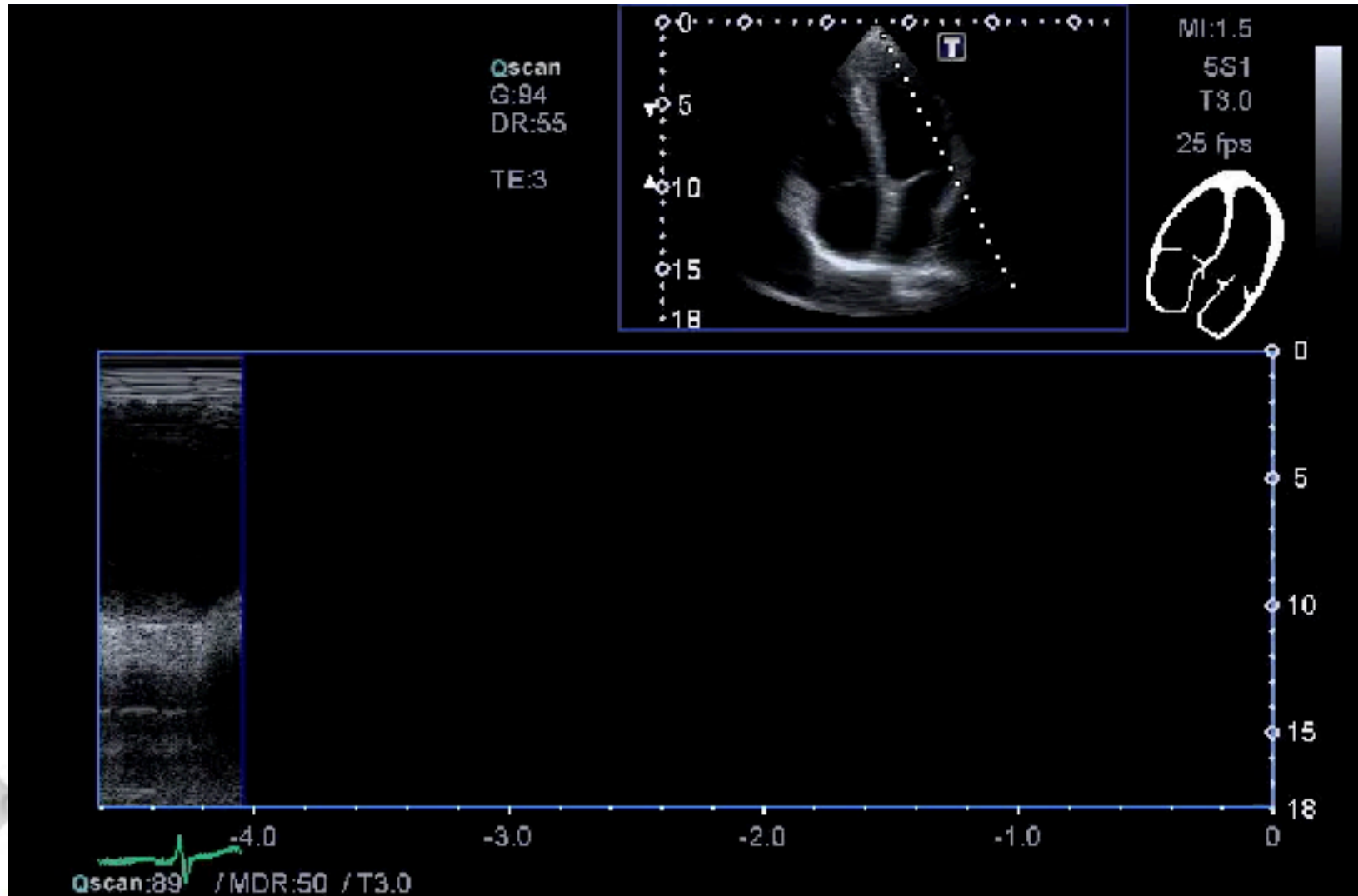
# No. of valves ?



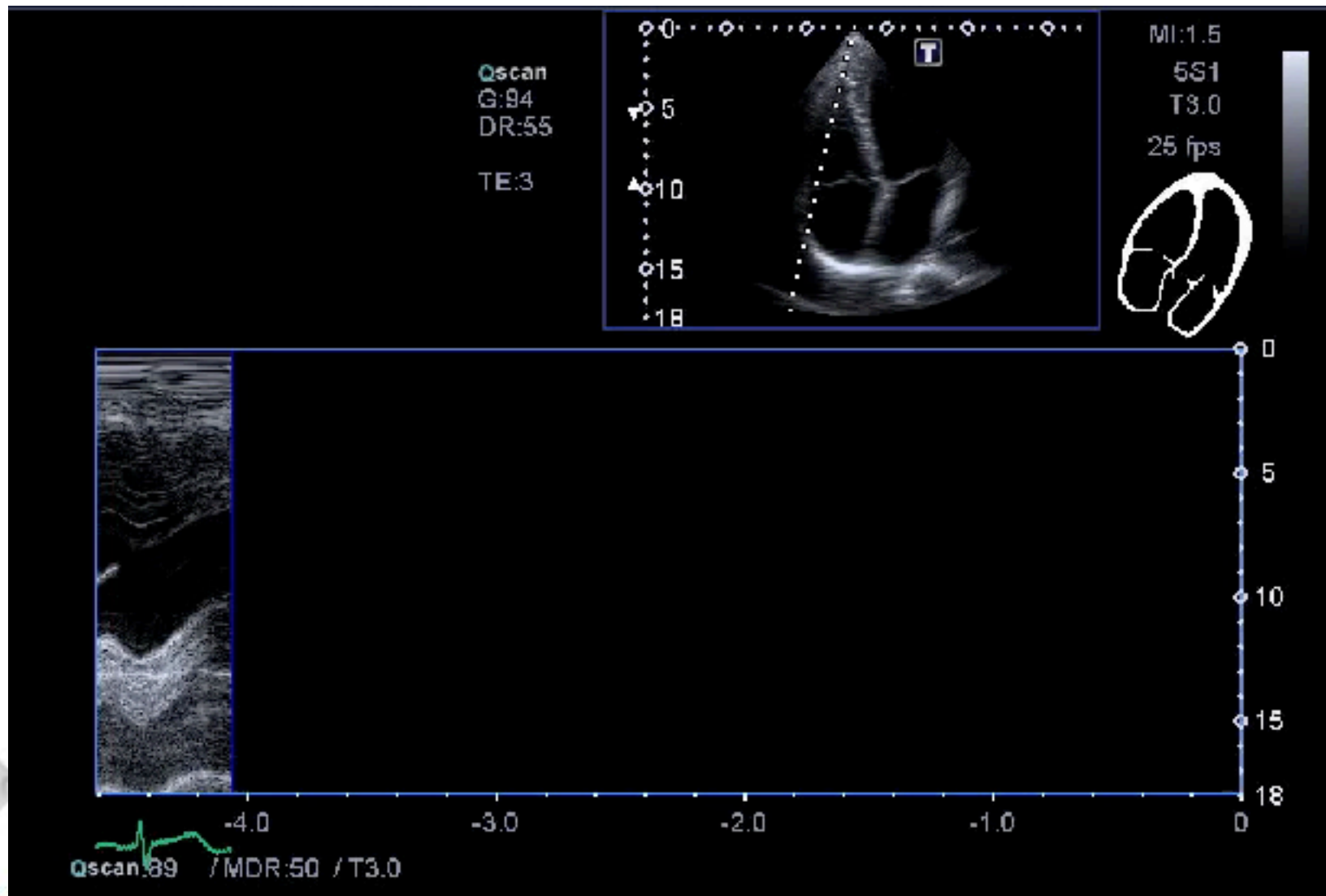
# LV diastolic function



# MAPSE

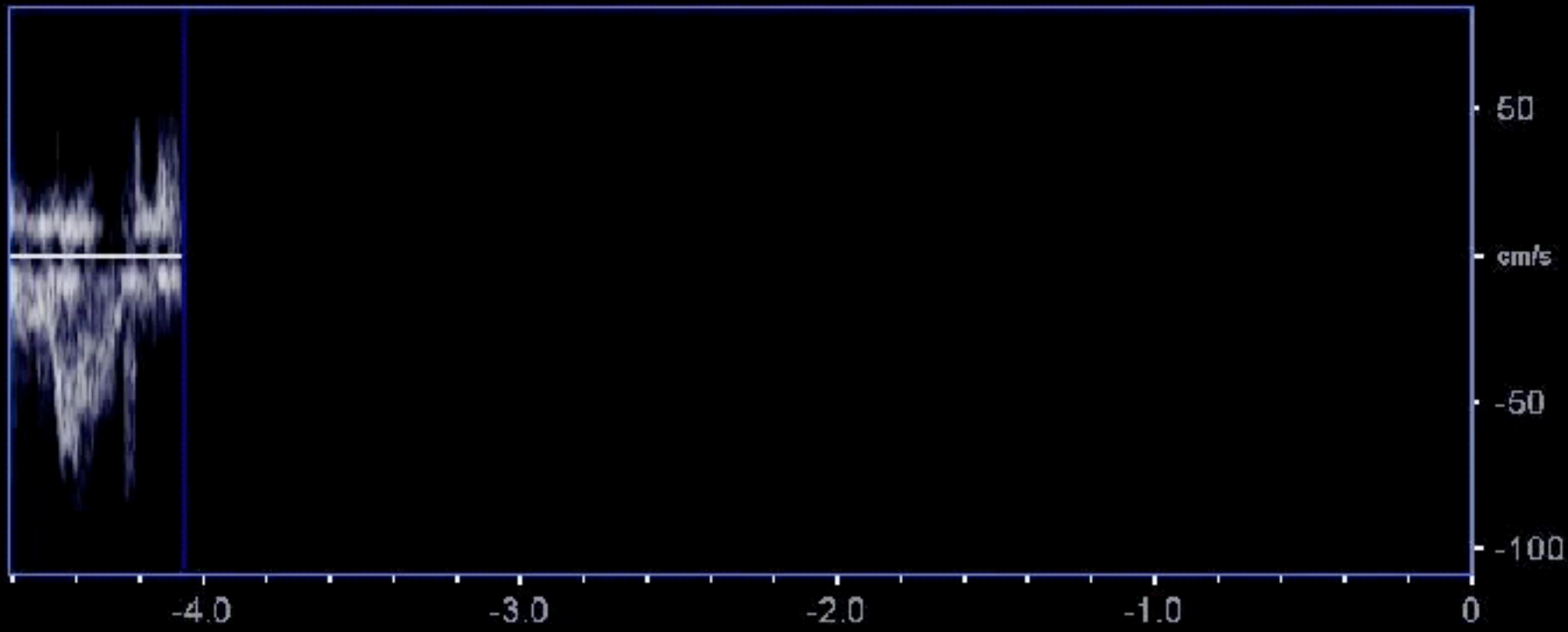


# TAPSE



# Velocity Time Integral

TE:3  
0° 3.0  
10.3cm



# Subcostal 4 chamber

PHILIPS

SKH-EUTC@ChenKC

FAST  
C5 1  
26 Hz  
22.0cm

2D  
Gen  
Gn 76  
C 56  
1/3/3



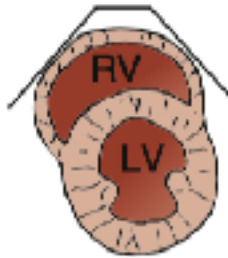
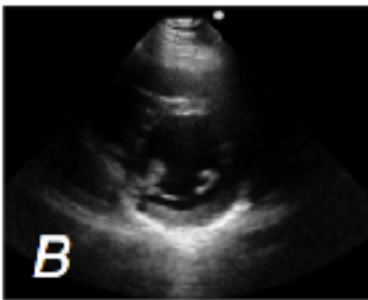


# RV evaluation



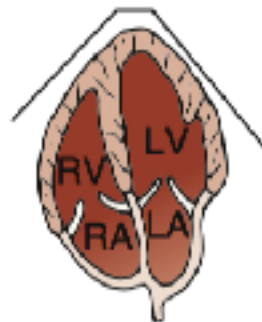
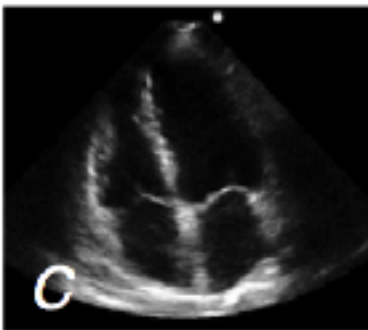
## Parasternal long-axis view

- Only RVOT visible in the near field
- Only gross RV size or function abnormalities detectable



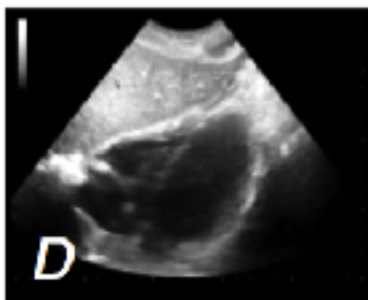
## Parasternal short-axis view

- Crescentic RV adjacent to the circular LV
- Look for RV>LV size and septal kinetics or flattening



## Apical 4-chamber view

- Triangular RV seen adjacent to the LV
- Ideal view for RV size and systolic function assessment



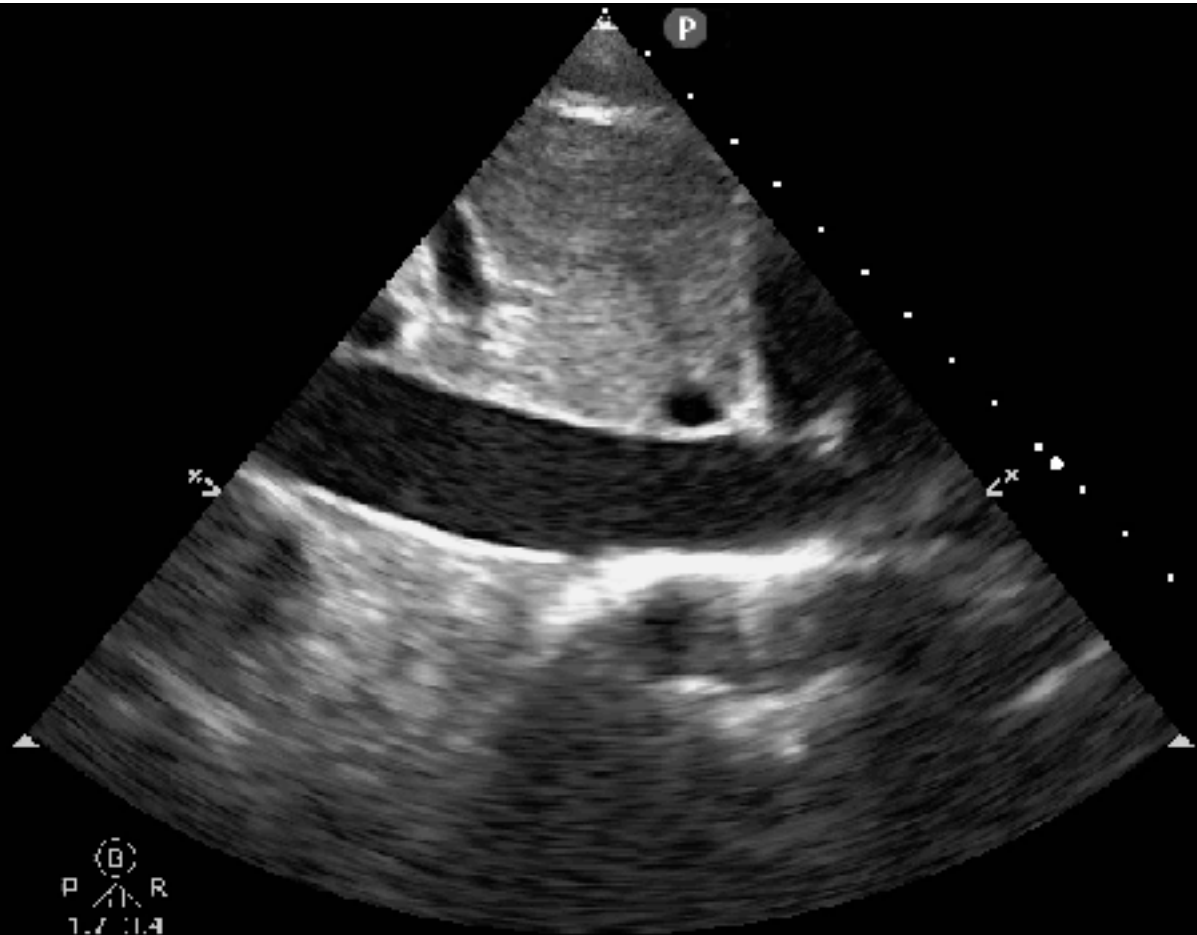
## Subcostal 4-chamber view

- Triangular RV in the near field
- May assess RV size, systolic function, and wall thickness

# Subcostal IVC

Adult Echo  
S4-1  
77 Hz  
15.0cm

2D  
HGen  
Gn 100  
55  
3/2/0  
50 mm/s



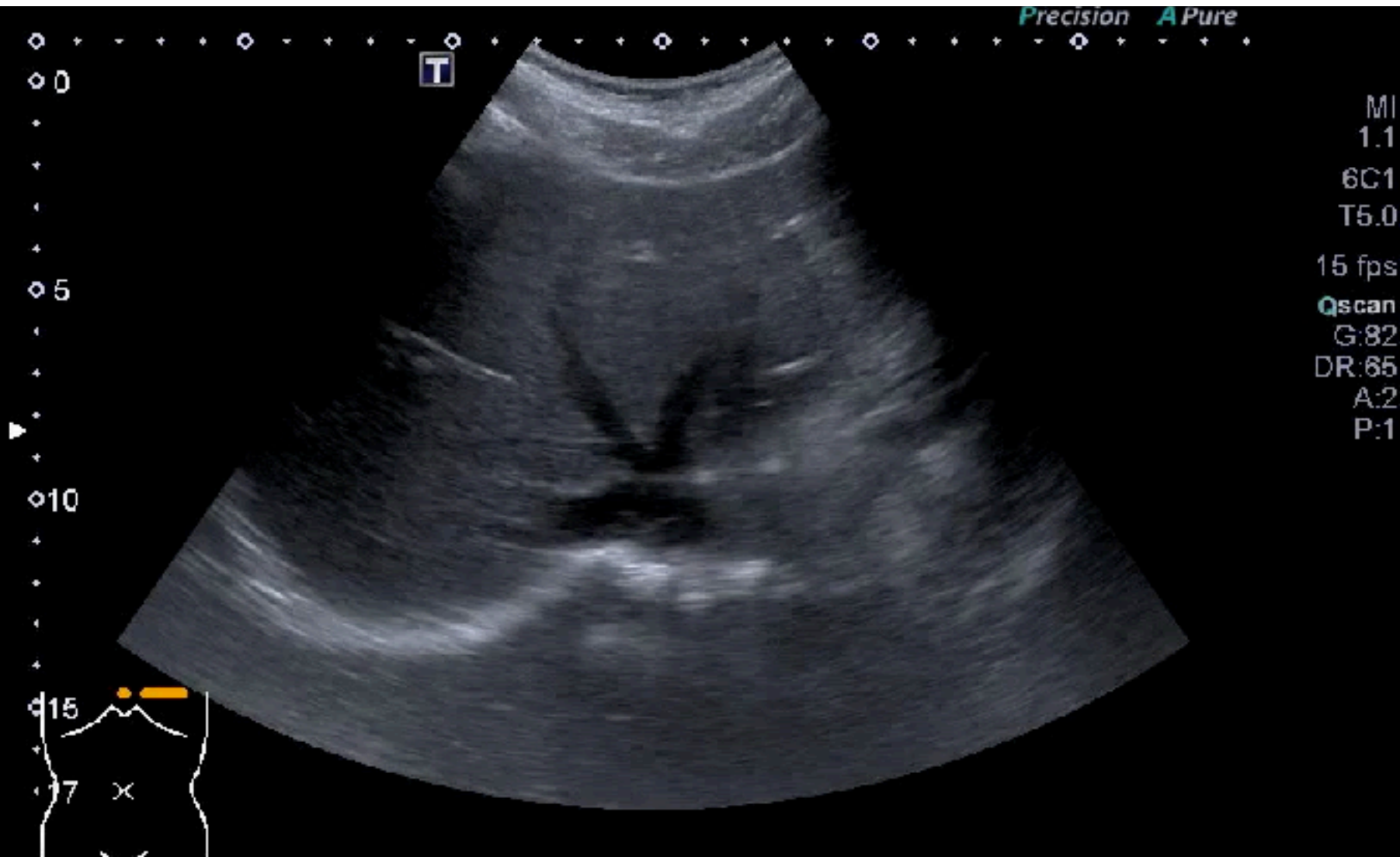
(0)  
P R  
1.7 1.4



53  
BPM



# Liver segments

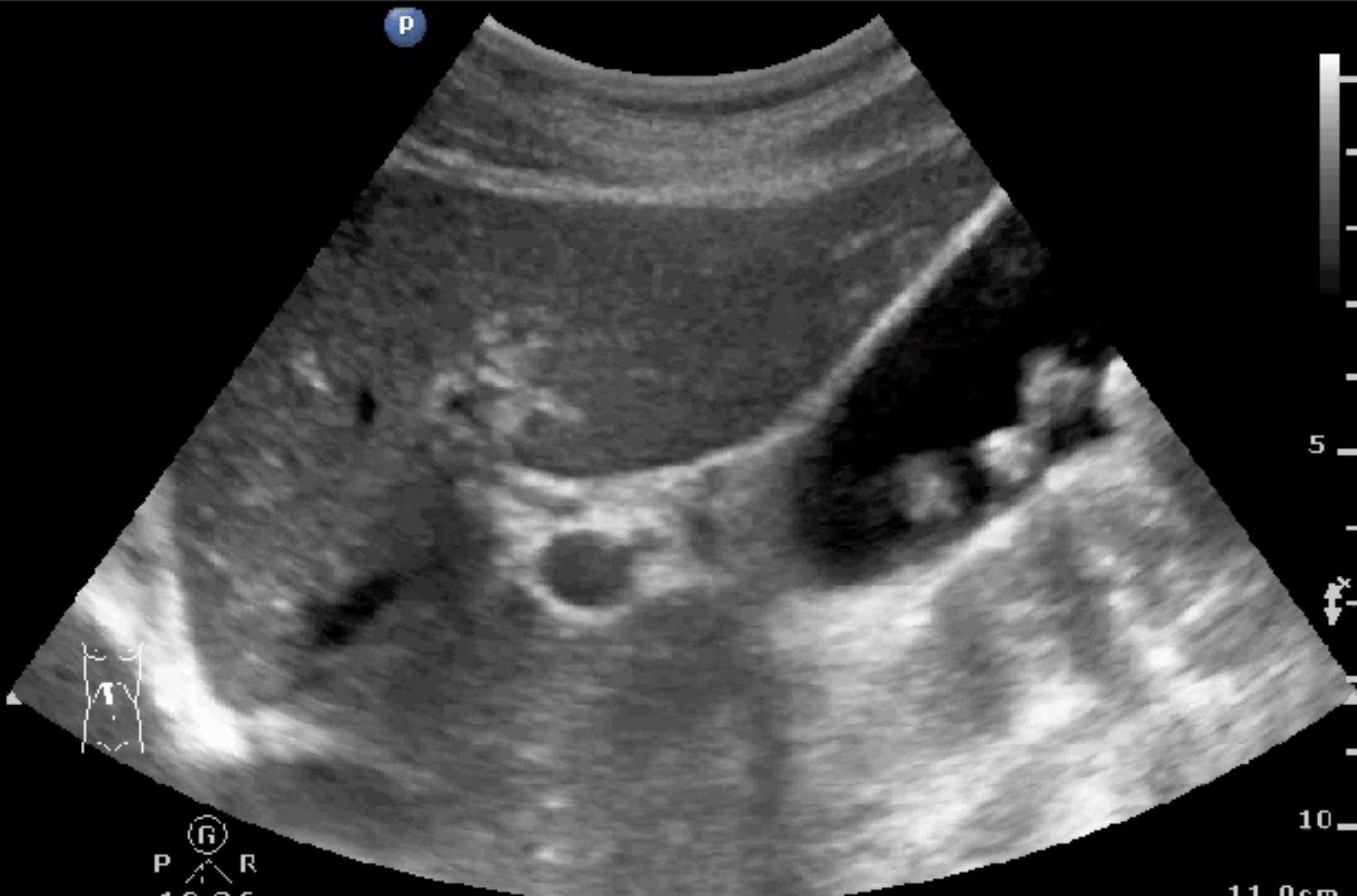


# Mickey Mouse sign

Abd Gen  
C5-1  
42 Hz  
11.0cm

2D

HGen  
Gn 80  
C. 56  
3 / 3 / 3



P R

11.0cm

# RK - Coronal view

AP 96.6% MI 1.3 TIS 0.3

M9

mindray

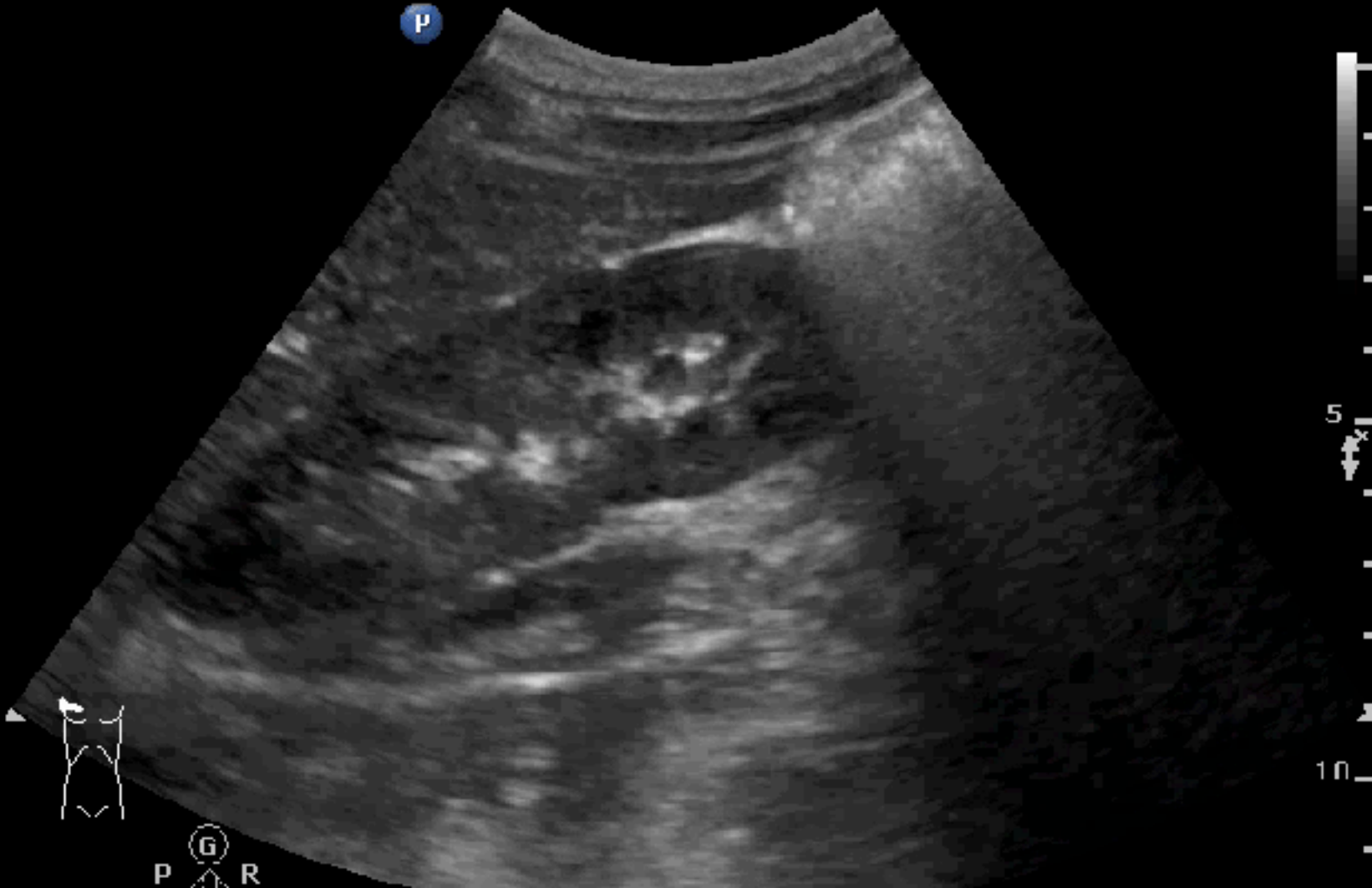
-0  
B  
F H5.0  
D 14.0  
G 45  
FR 23  
DR 115  
iClear 4  
-  
-5  
-  
-  
-10



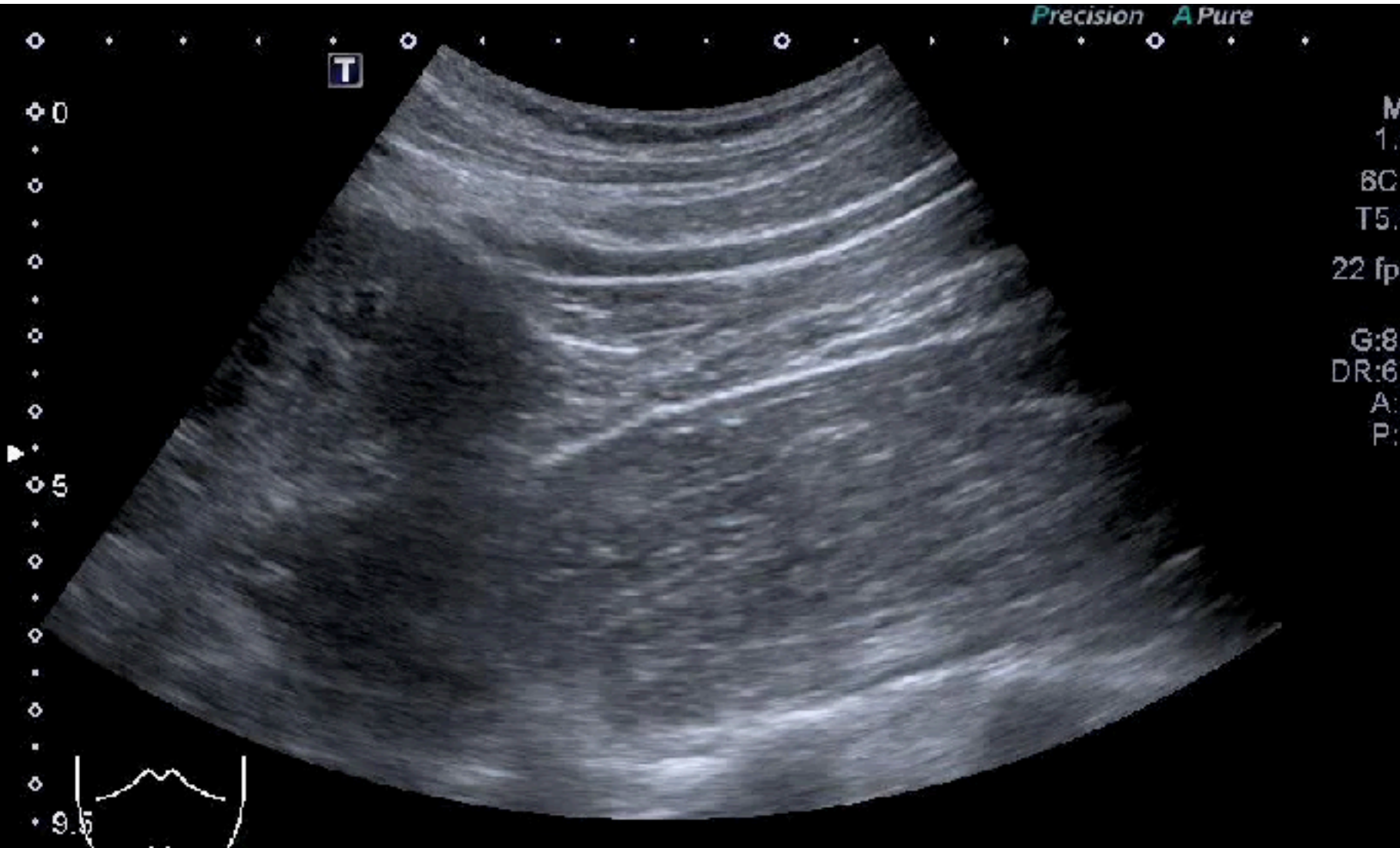
# Paracolic gutter

Abd Gen  
C5-1  
39 Hz  
12.0cm

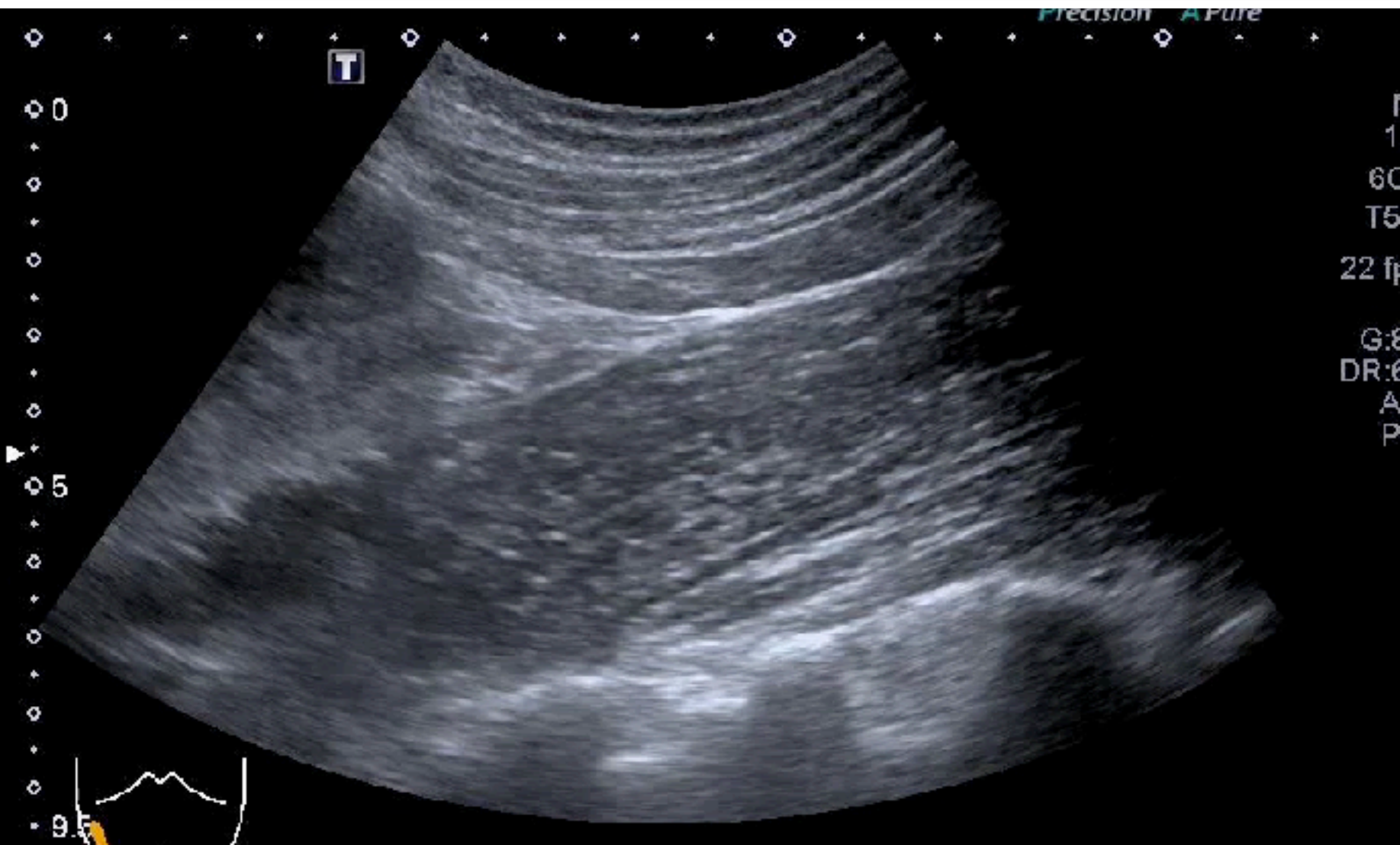
2D  
HGen  
Gn 71  
C 56  
3/3/3



# Largest muscle



# No of transverse process



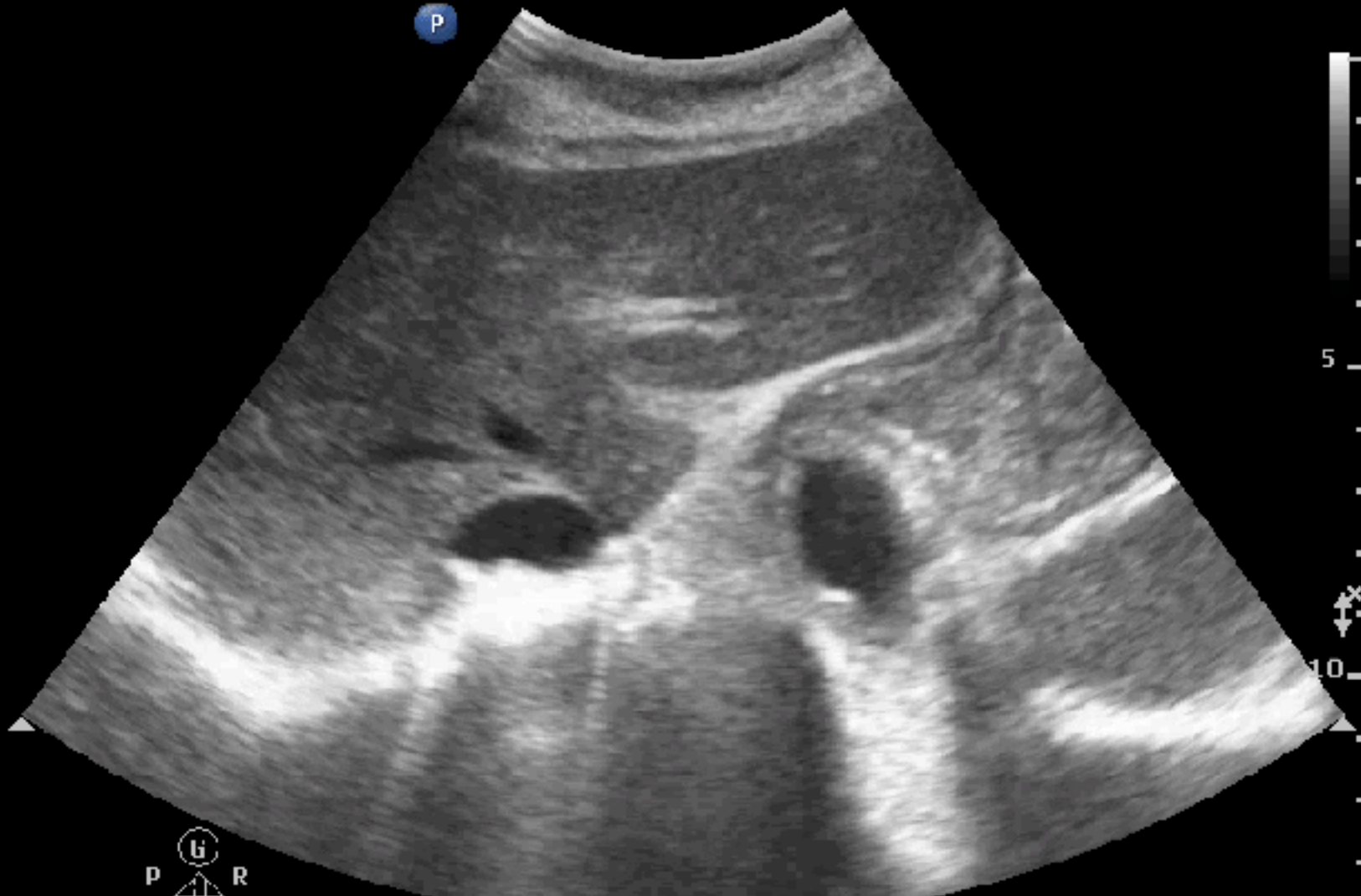


# Name of GI structure

Abd Gen  
C5-1  
36 Hz  
14.0cm

2D

HGen  
Gn 56  
C 56  
3 / 3 / 3

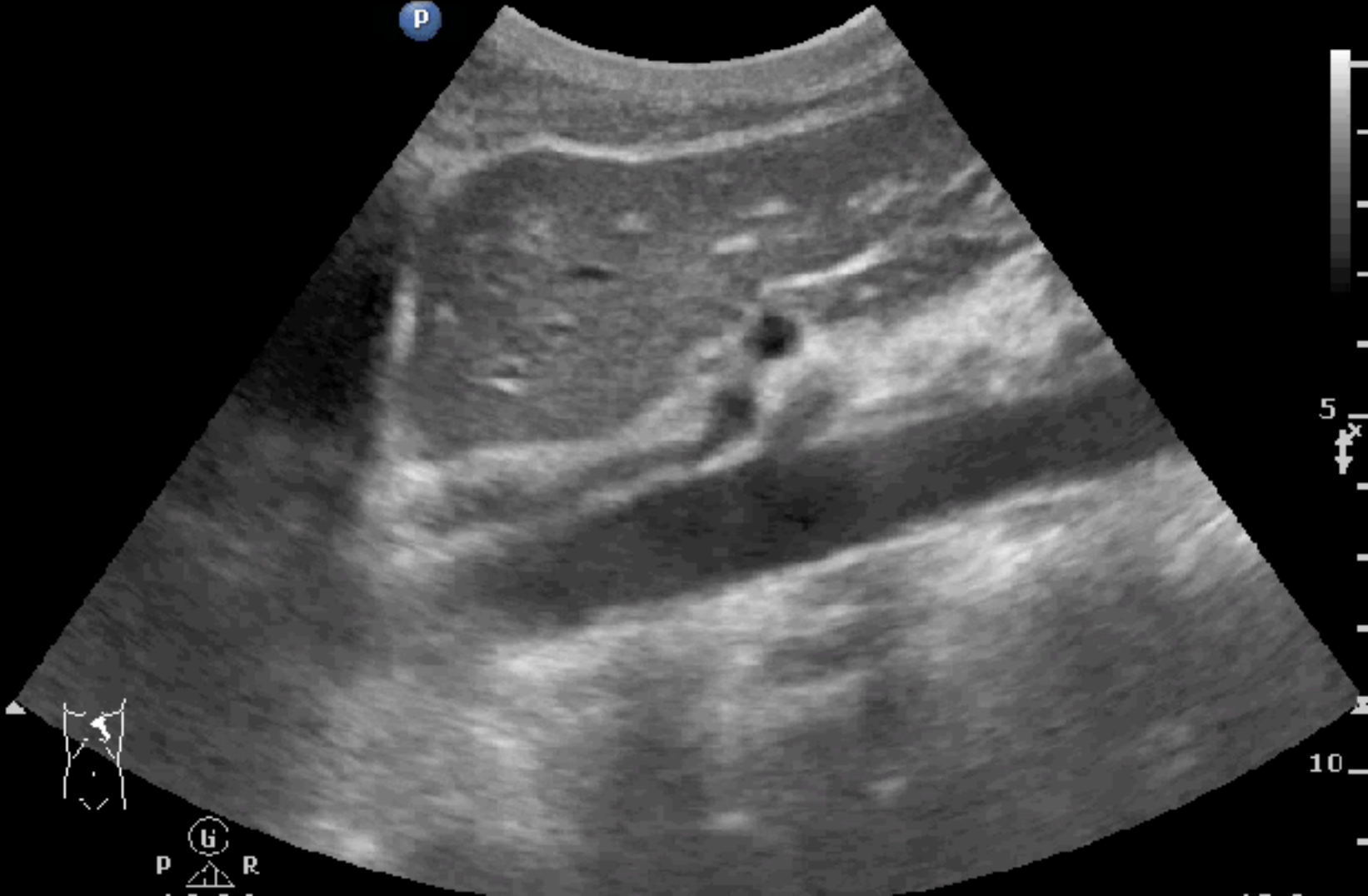


# Indicate EC junction

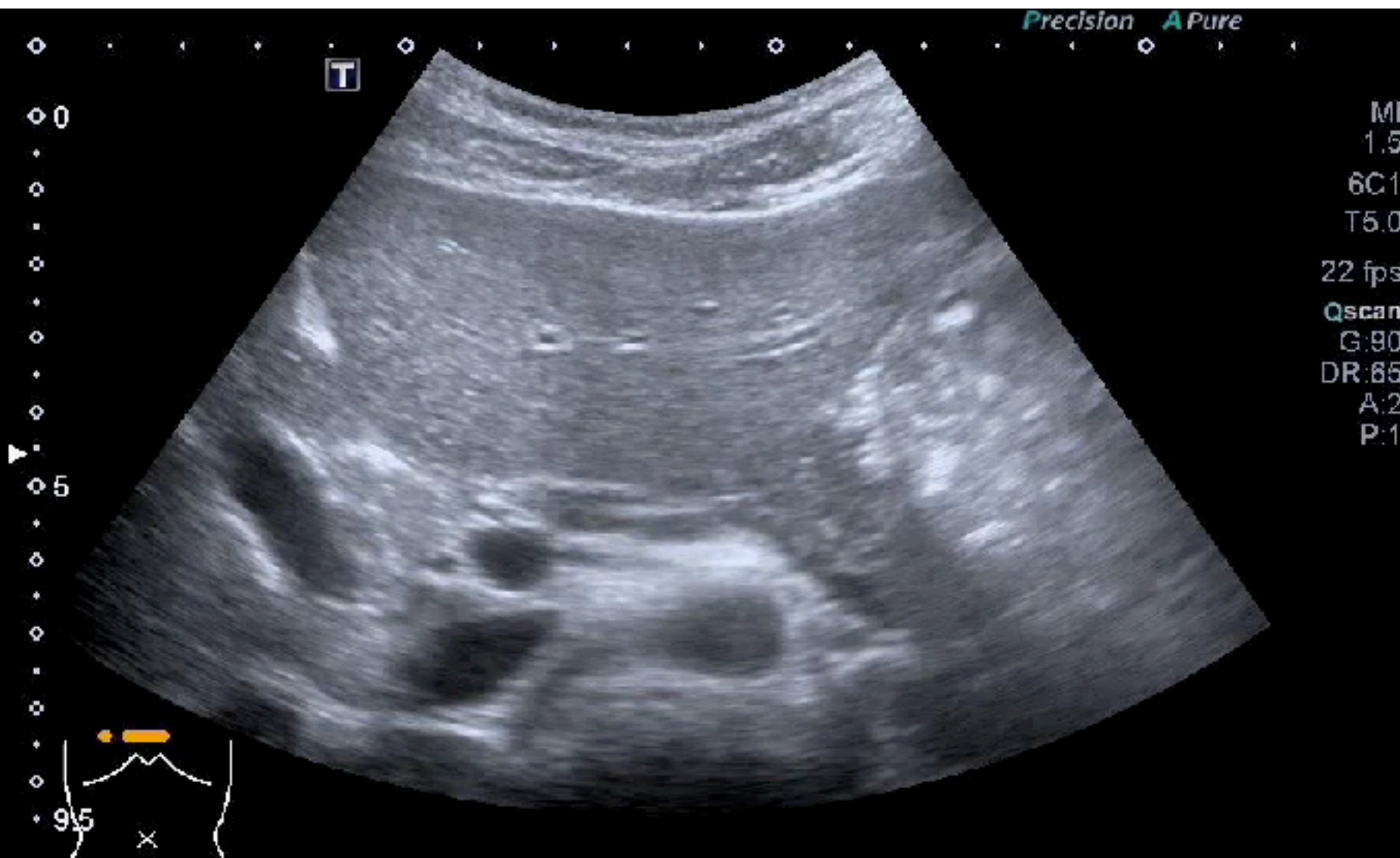
Abd Gen  
C5-1  
39 H7  
12.0cm

2D

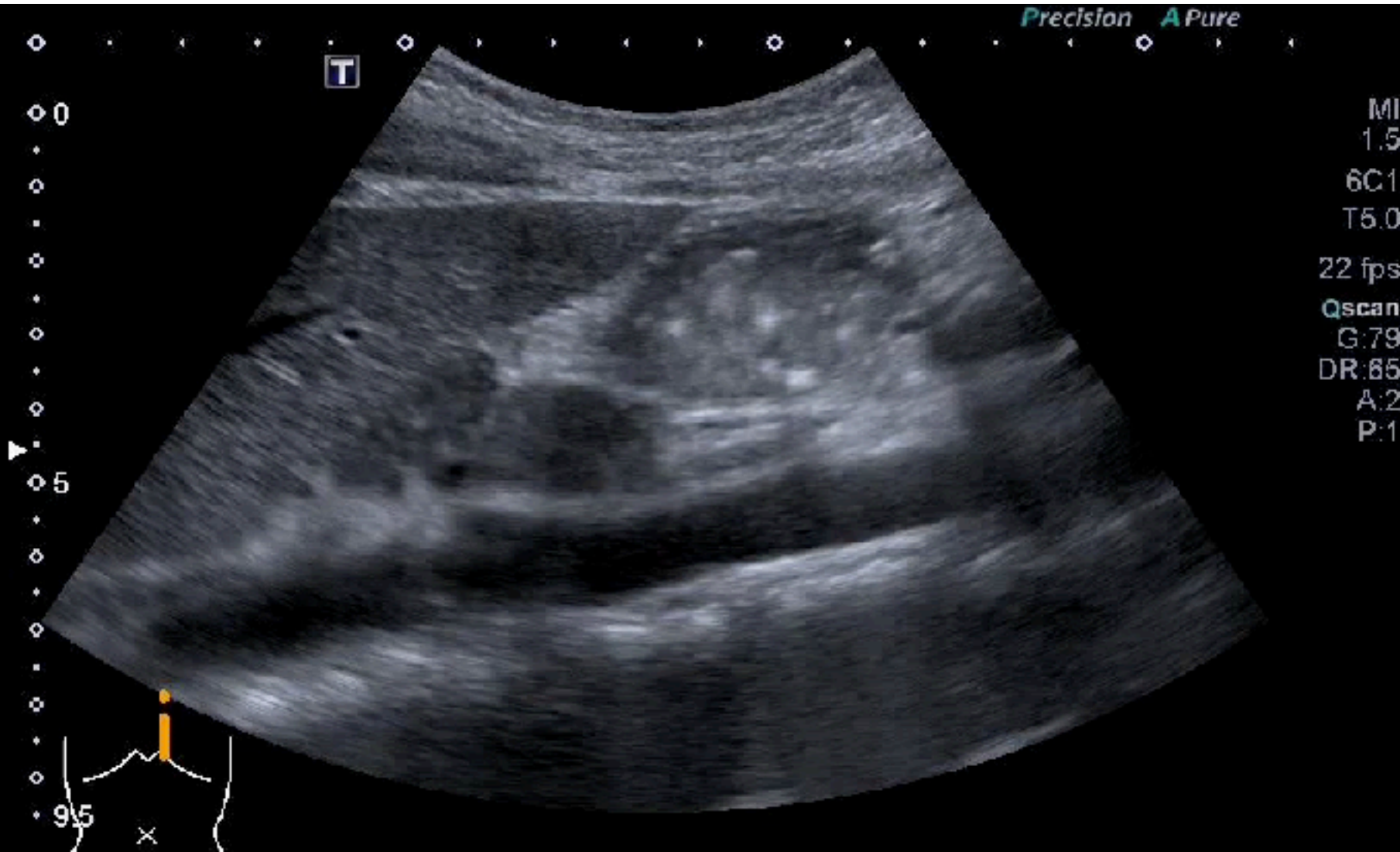
HGen  
Gn 100  
C 56  
3 / 3 / 3



# Indicate duodenum



# Risk of aspiration ? (L/M/H)

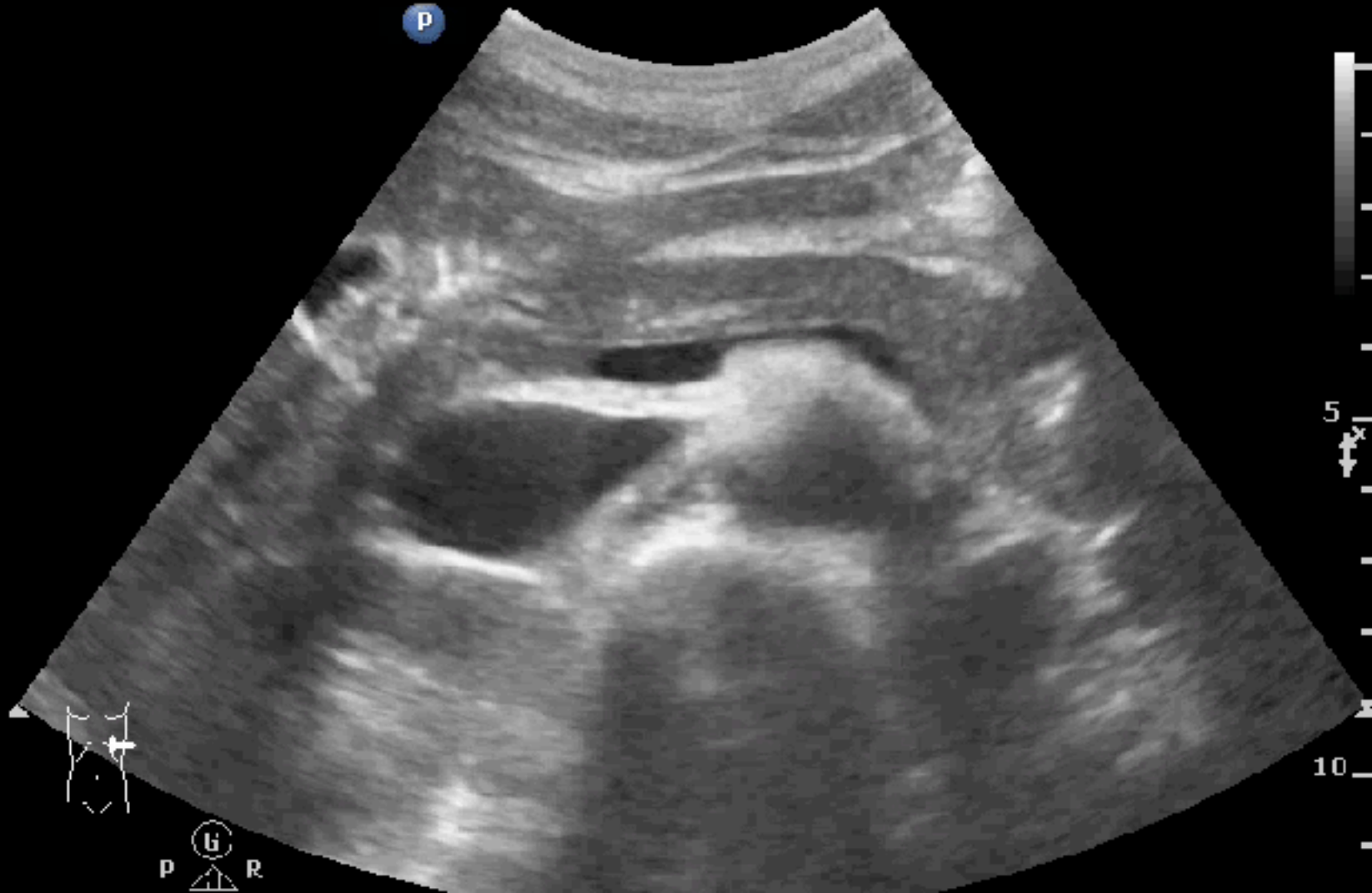


# Indicate CBD

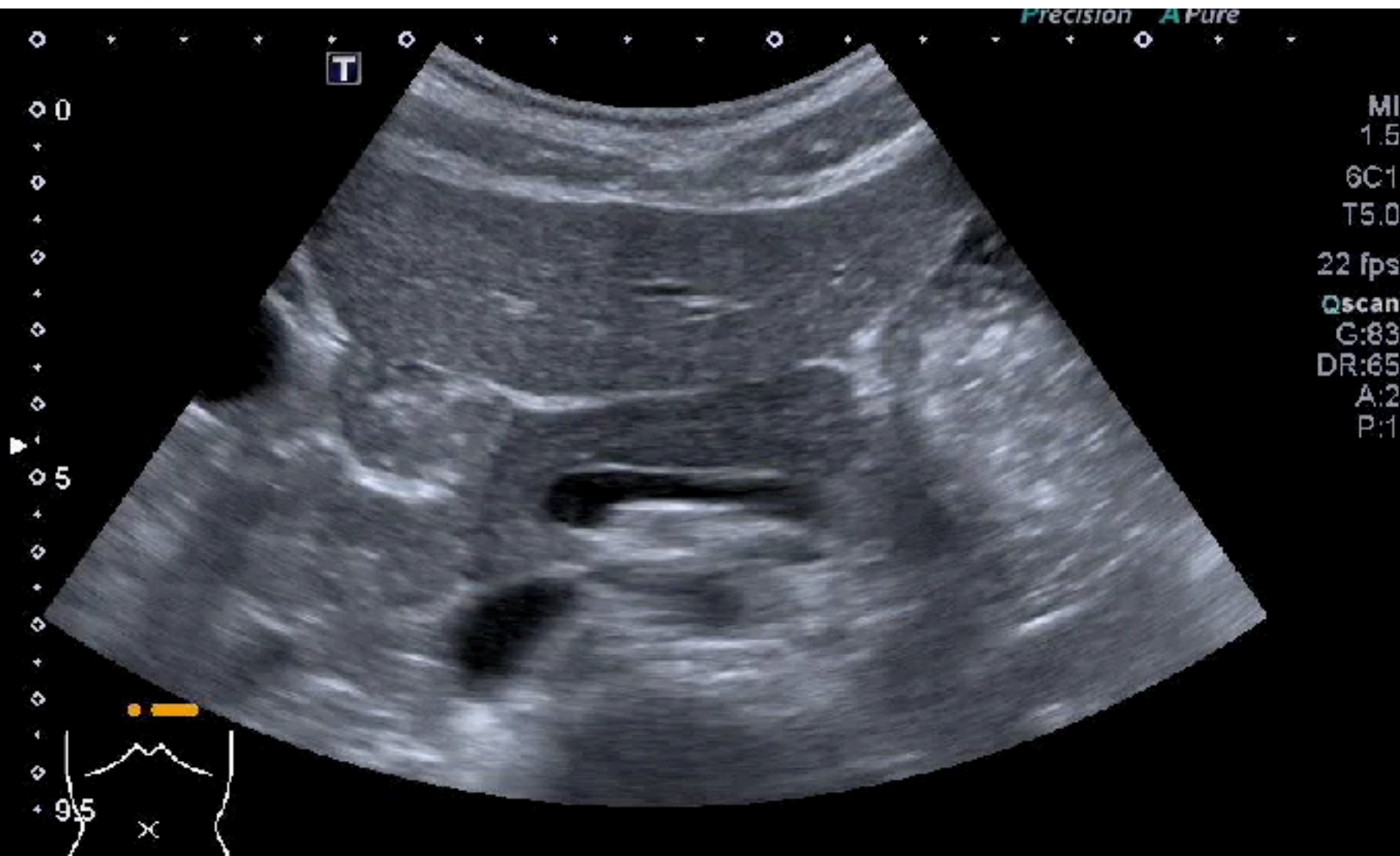
Abd Gen  
C5-1  
39 H7  
12.0cm

2D

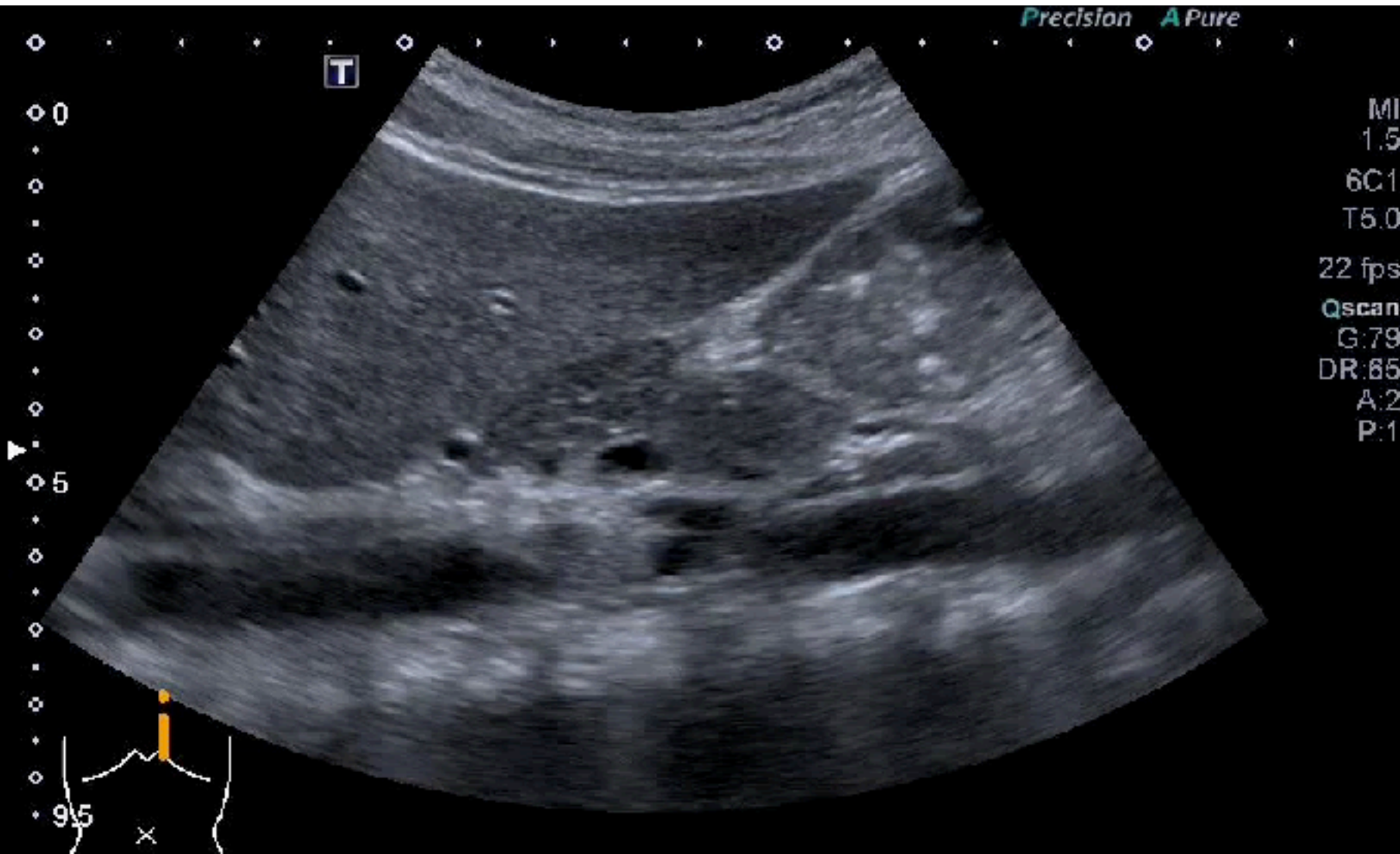
HGen  
Gn 100  
C 56  
3 / 3 / 3



# Indicate P-duct

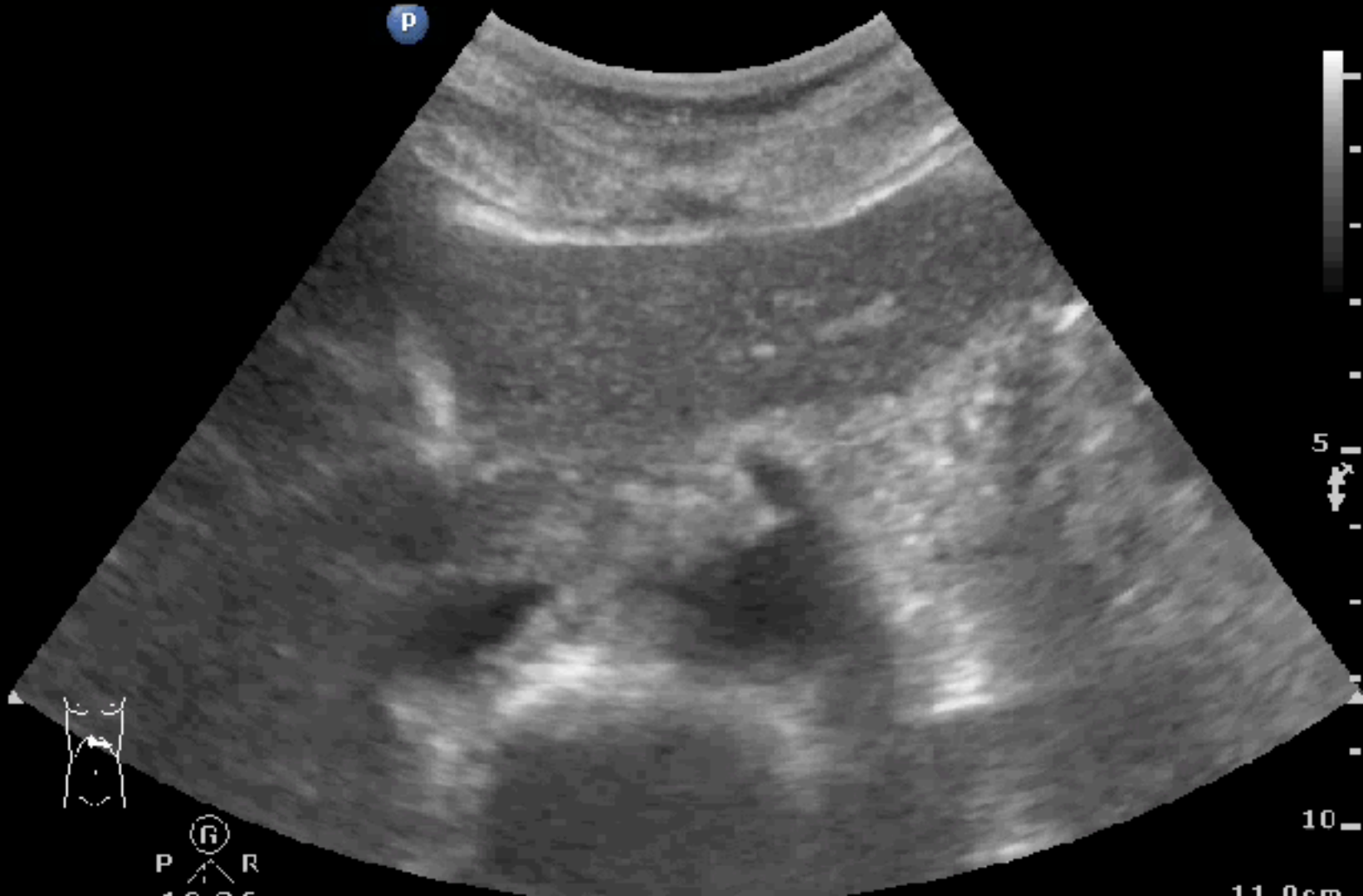


# Indicate pancreas



# Seagull sign

Abd Gen  
C5-1  
42 Hz  
11.0cm  
  
2D  
HGen  
Gn 9/  
C. 56  
3/3/3



5  
10  
11.0cm



# No. of aortic branches

Abd Gen  
C5-1  
4.2 Hz  
11.0cm

2D

HGen  
Gn 97  
C 56  
3 / 3 / 3



# No. of veins with PD

Abd Gen  
C5-1  
12 Hz  
11.0cm

2D

HGen  
Gn 9/  
C. 56  
3/3/3

CPA

2.5 MHz  
Gn 66  
1/8/4  
Filtr High  
Baseln 8



# Name the GI structure

Abd Gen  
C5-1  
34 Hz  
15.0cm

2D

HGen  
Gn 82  
C. 56  
3 / 3 / 3



# No. of solid organs



# No. of solid organs

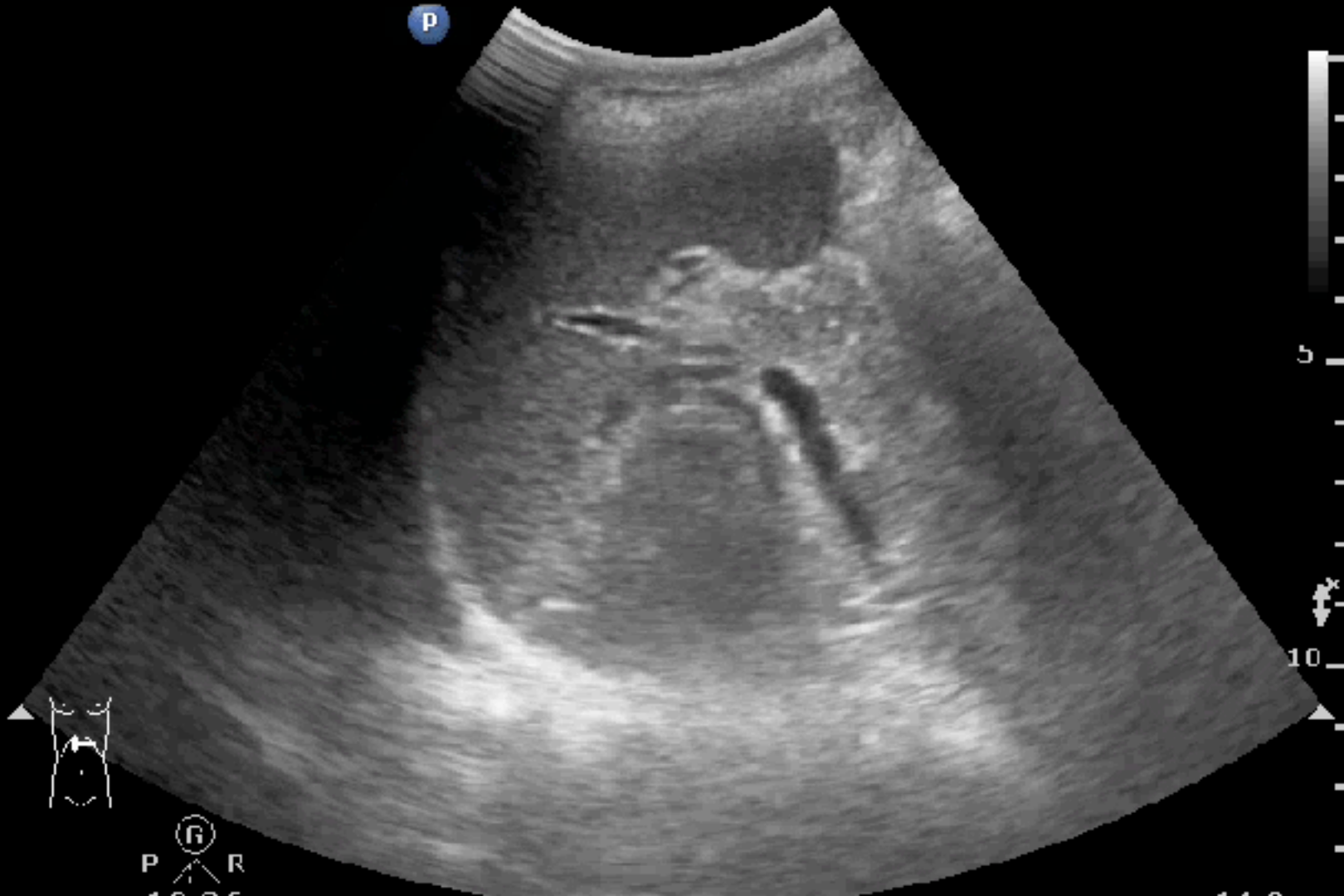


# No. of GI structures

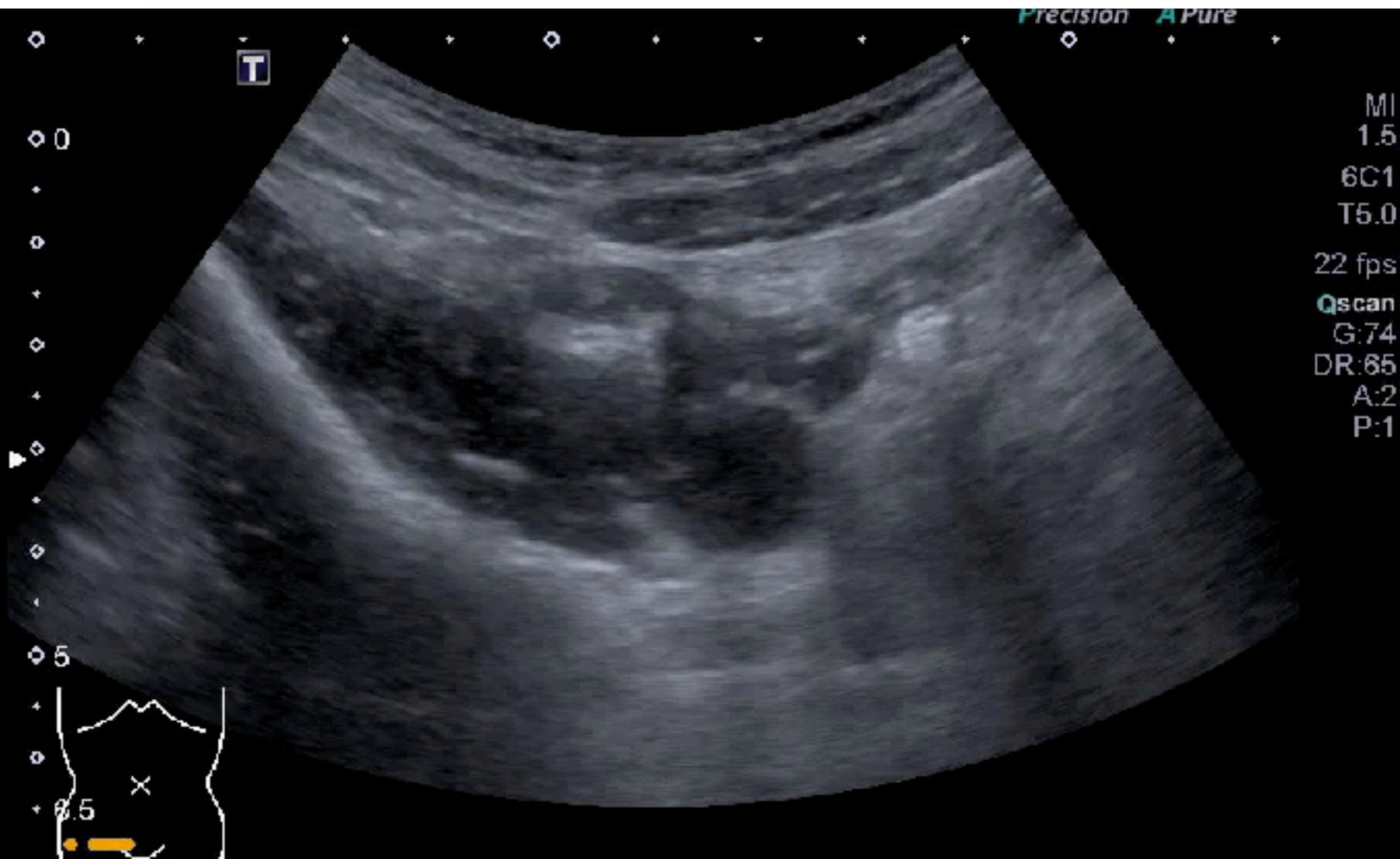
Abd Gen  
C5-1  
42 Hz  
14.0cm

2D

HGen  
Gn 9/  
C. 56  
3/3/3



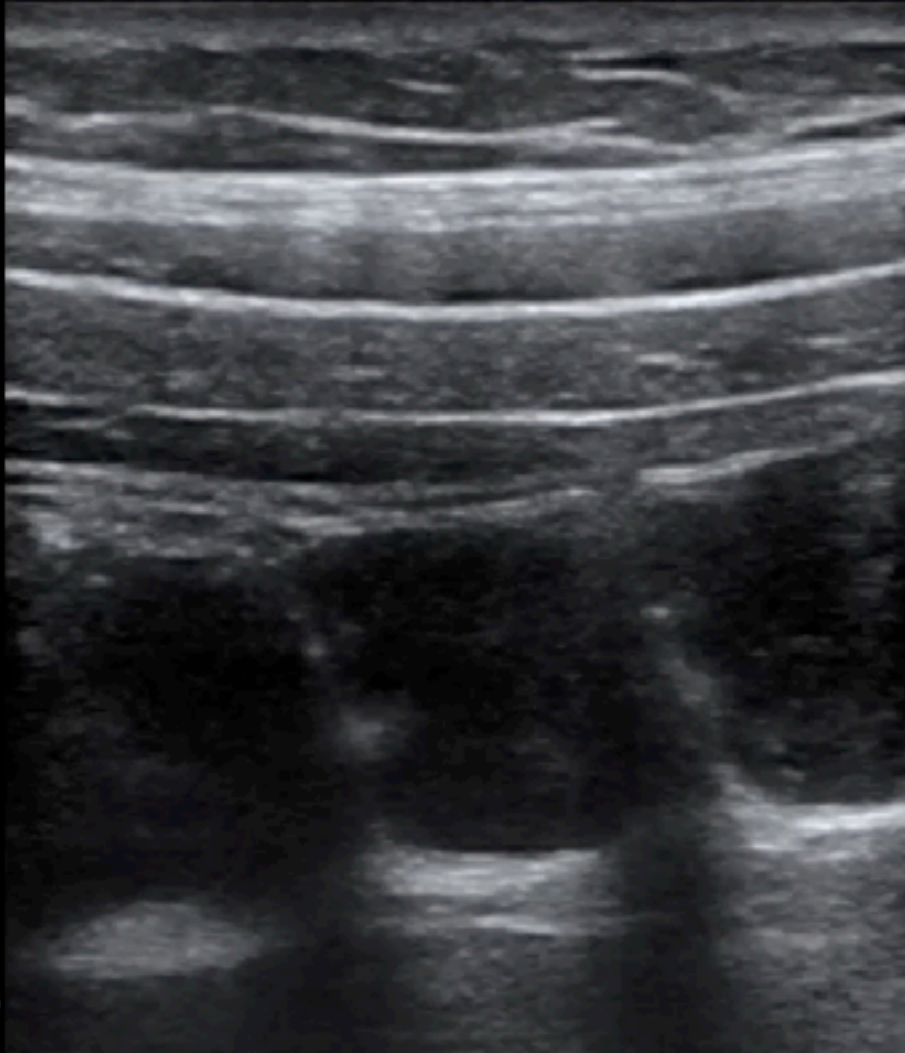
# Inflammed GI structures



# Name the GI structure

AP 96.6% MI 1.4 TIS 0.1

M9



mindray

-0

B

F H10.0

D 5.0

G 82

-1

FR 30

DR 105

iClear 3

iBeam 1

ITouch

←2

-3

-4



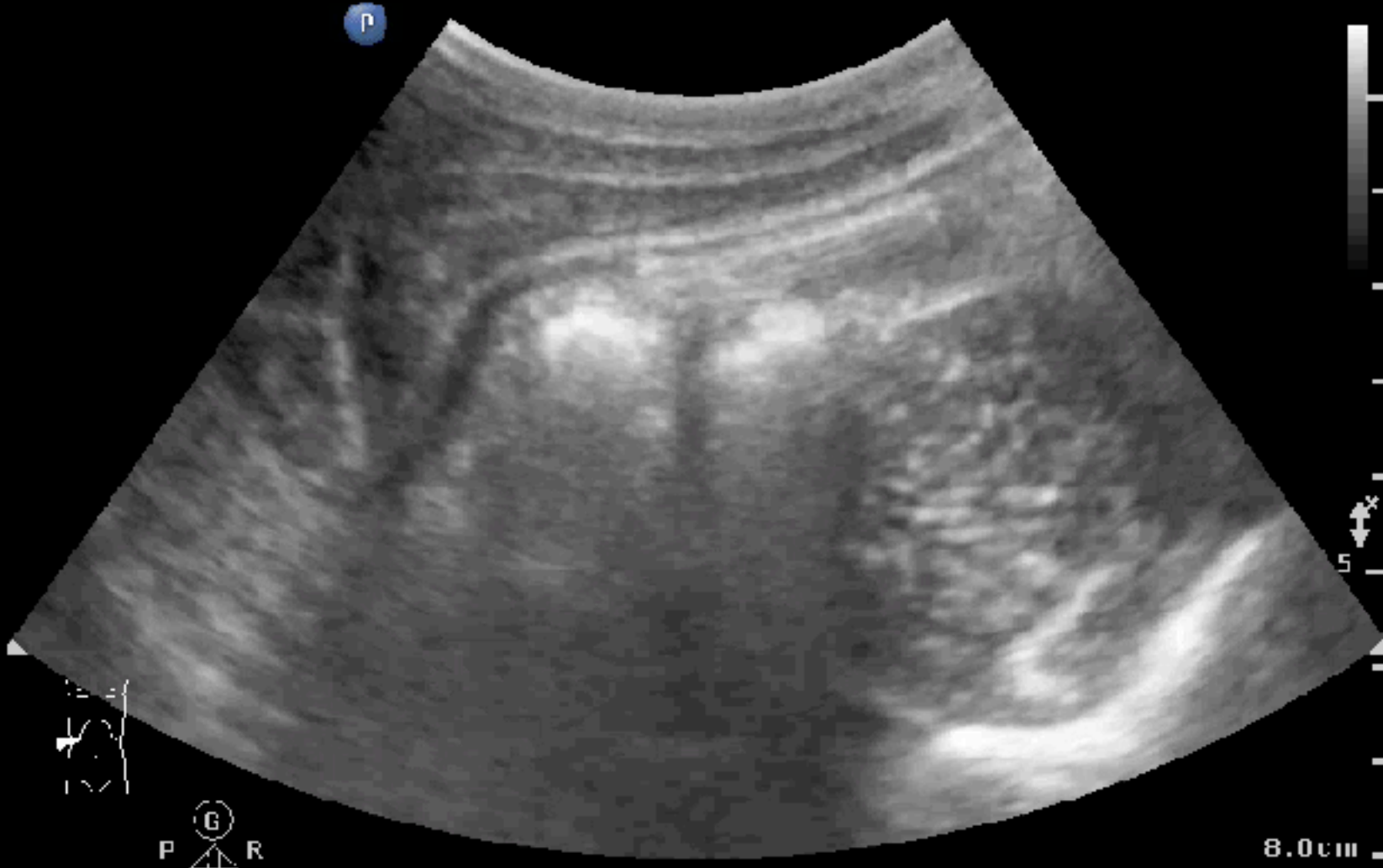


# Ascending colon

Abd Gen  
Ch-1  
51 Hz  
8.0cm

2D

HGen  
Gn 100  
C 56  
3/3/3



# Descending colon

Abd Gen  
C5-1  
55 Hz  
7.0cm

2D  
HGen  
Gn 86  
C 56  
3/3/3



7.0cm

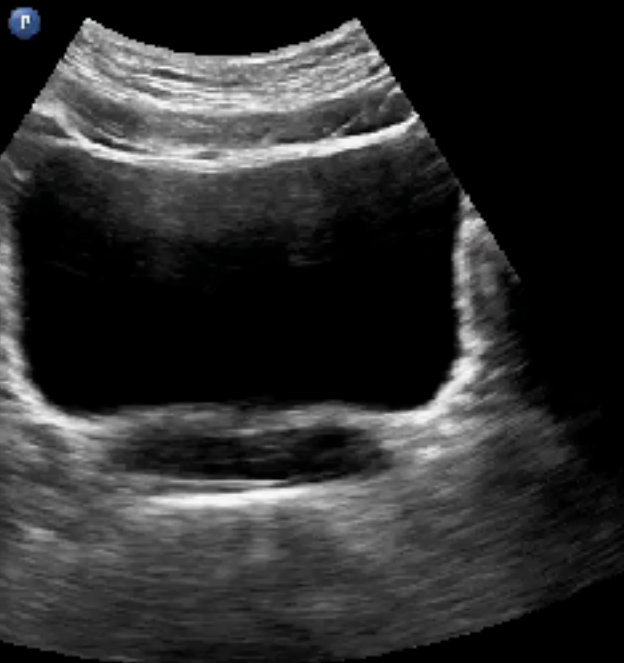
# Rectum

Abd Gen  
C5-1  
34 Hz  
15.0cm

2D  
HGen  
Gn 55  
C 56  
3 / 3 / 3



# Ascites ?



C Nerve  
C6-2  
22 117  
12.0cm

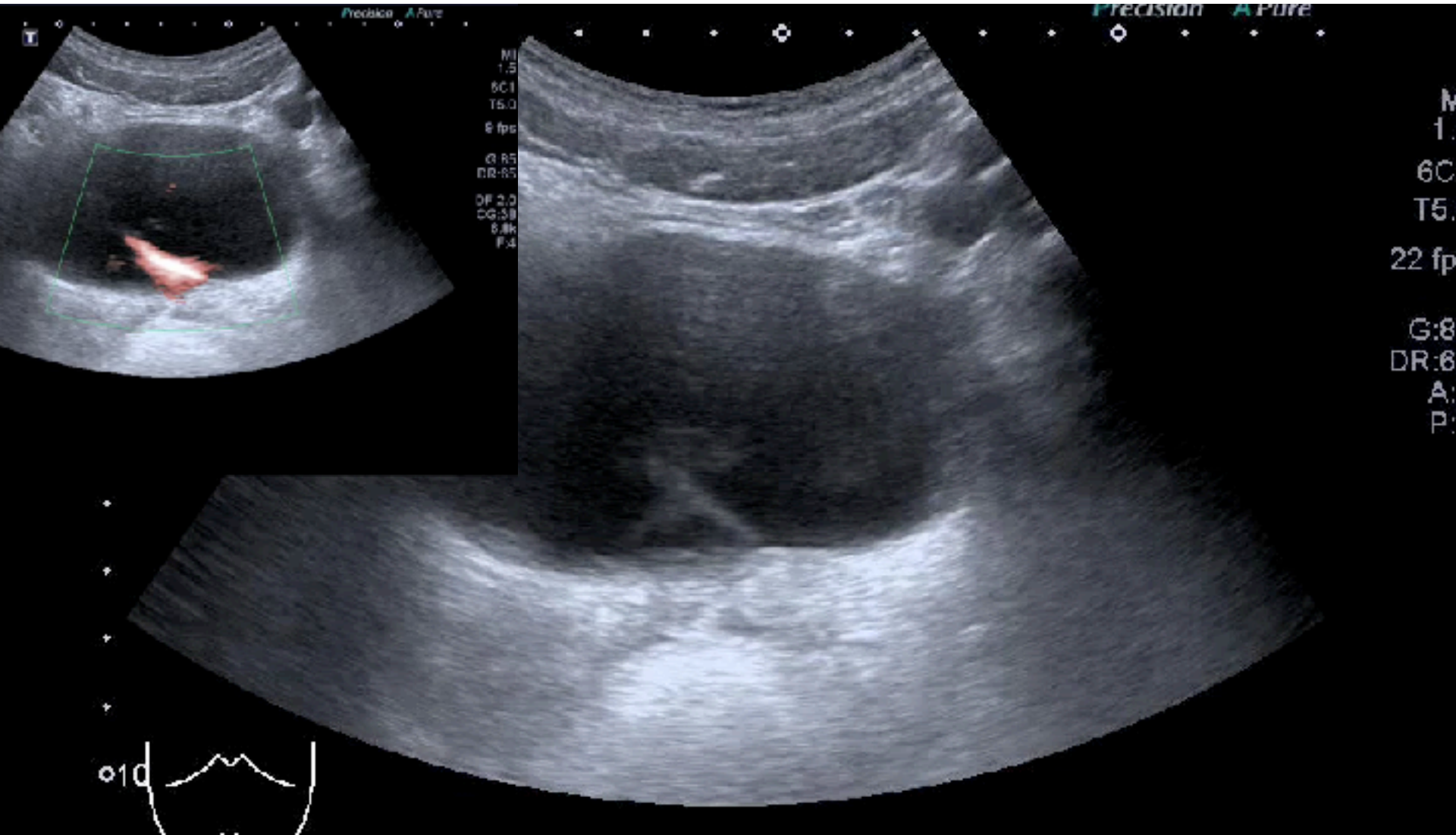
2D  
Gain  
60  
C: 53  
7/3/4



# Indicate seminal vesicle



# Urinary jet



# IUP ?

Abd Gen  
C5-1  
36 Hz  
13.0cm

2D

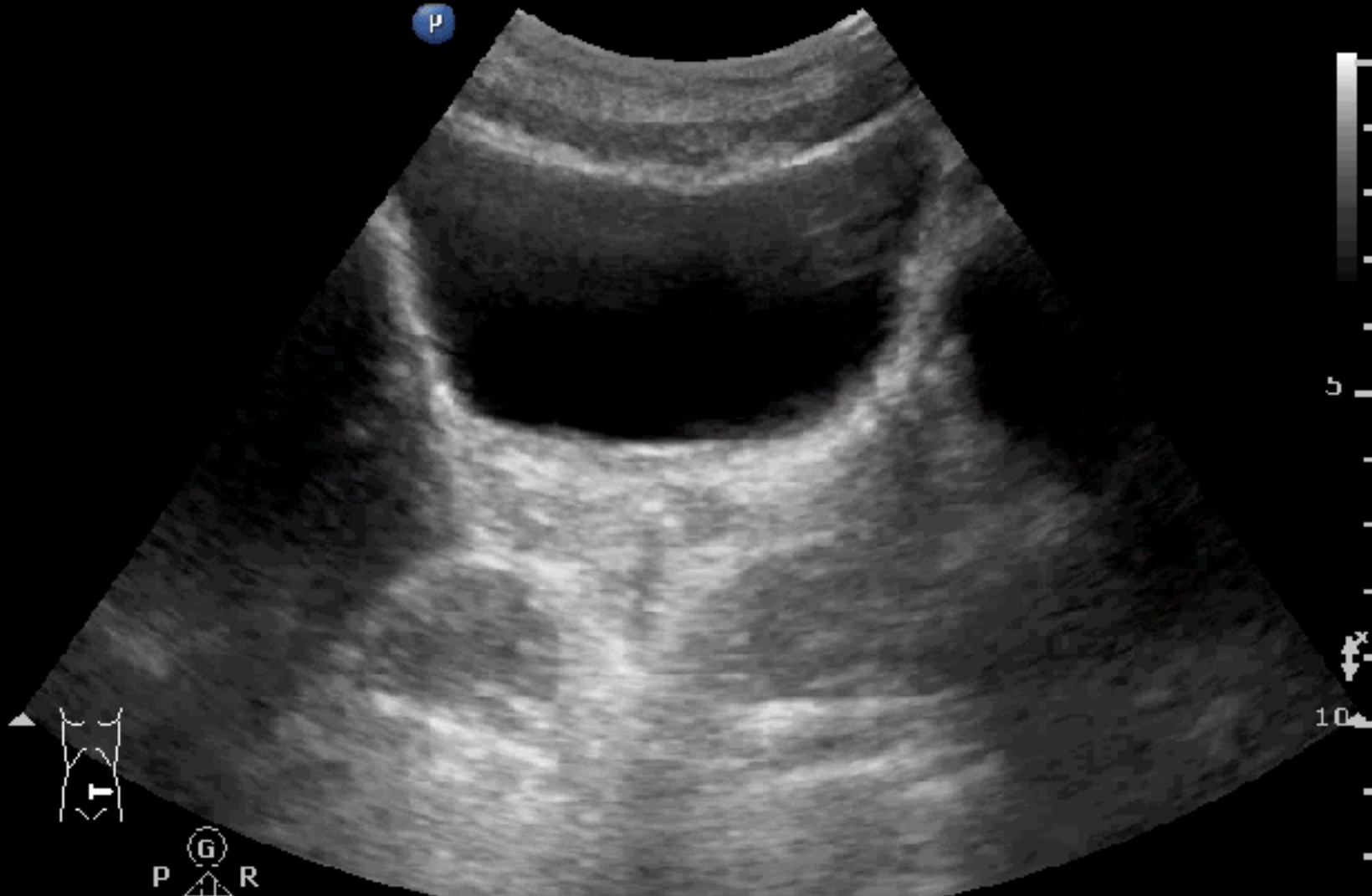
HGen  
Gn 81  
C 56  
3 / 3 / 3



# No. of visible ovary ?

Abd Gen  
C5-1  
38 Hz  
13.0cm

2D  
HGen  
Gn 81  
C 56  
3/3/3

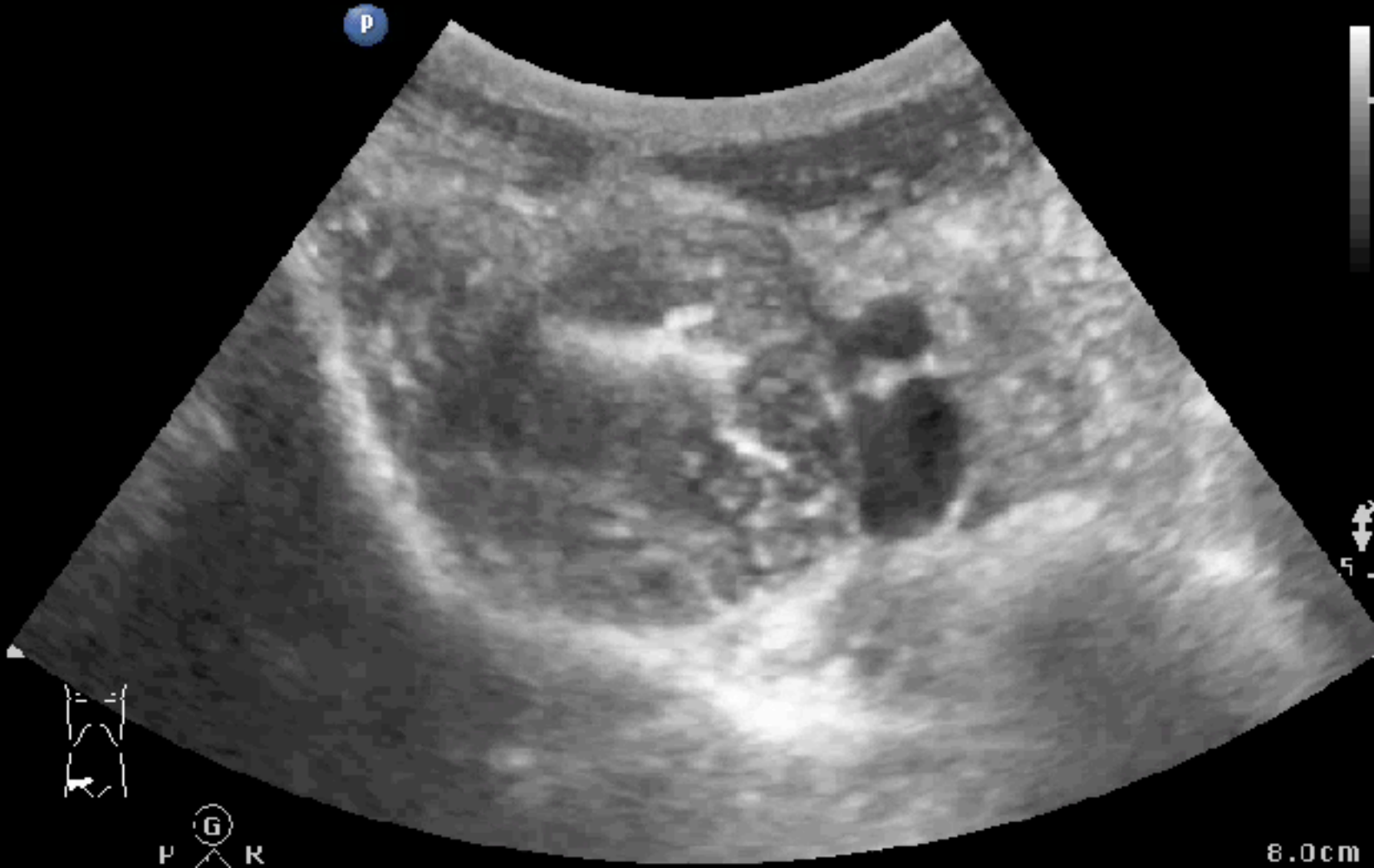




# No. of muscles

Abd Gen  
C5-1  
51 Hz  
8.0cm

2D  
HGen  
Gn 100  
C 56  
3 / 3 / 3



8.0cm

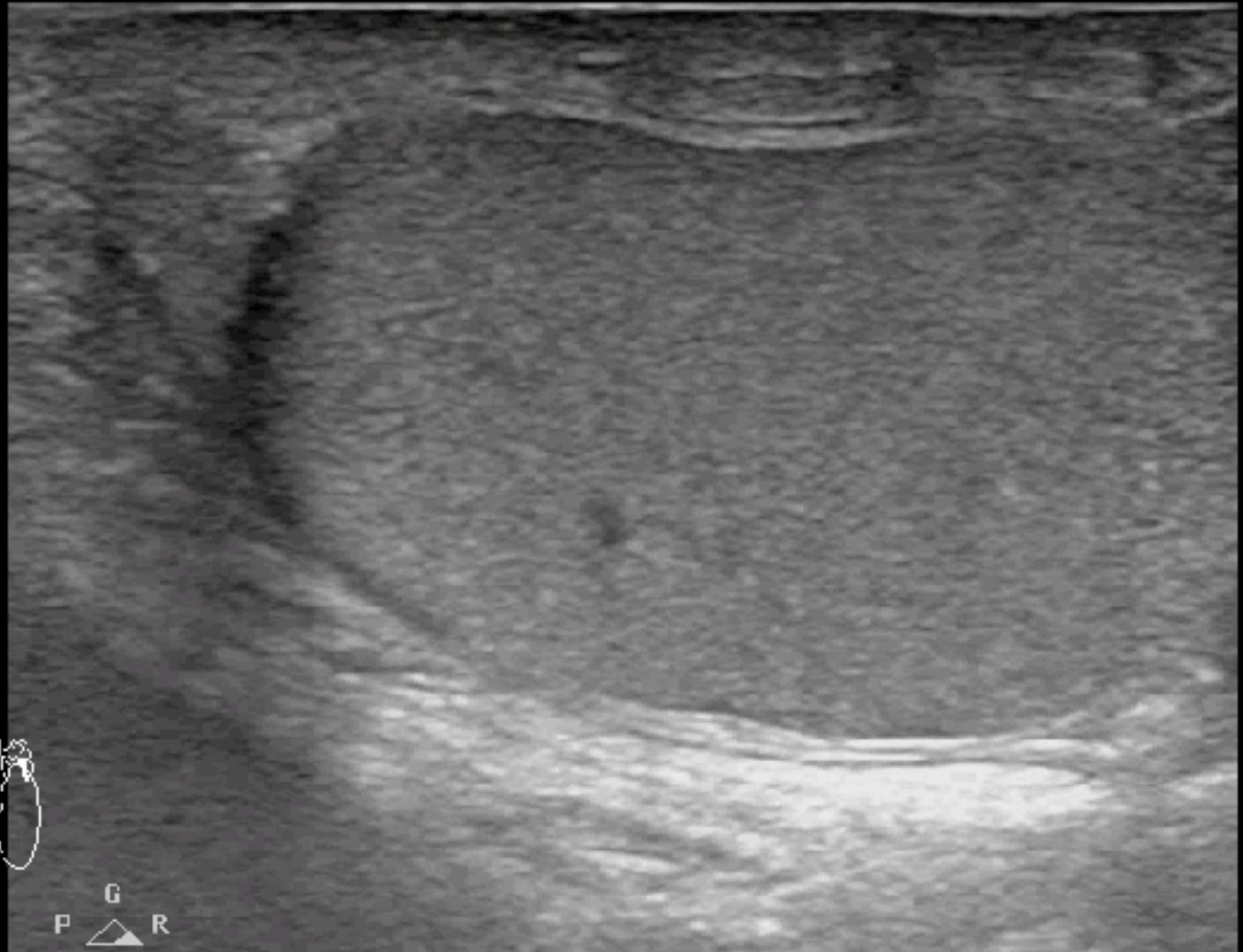
# Indicate epididymis

Superficial  
| 12-3  
46 Hz  
3.0cm

P

2D

Res  
Gn 100  
C 56  
3/7/1



G  
P R

# Epididymal cyst

Superficial  
L12-3  
50 Hz  
2.5cm

2D

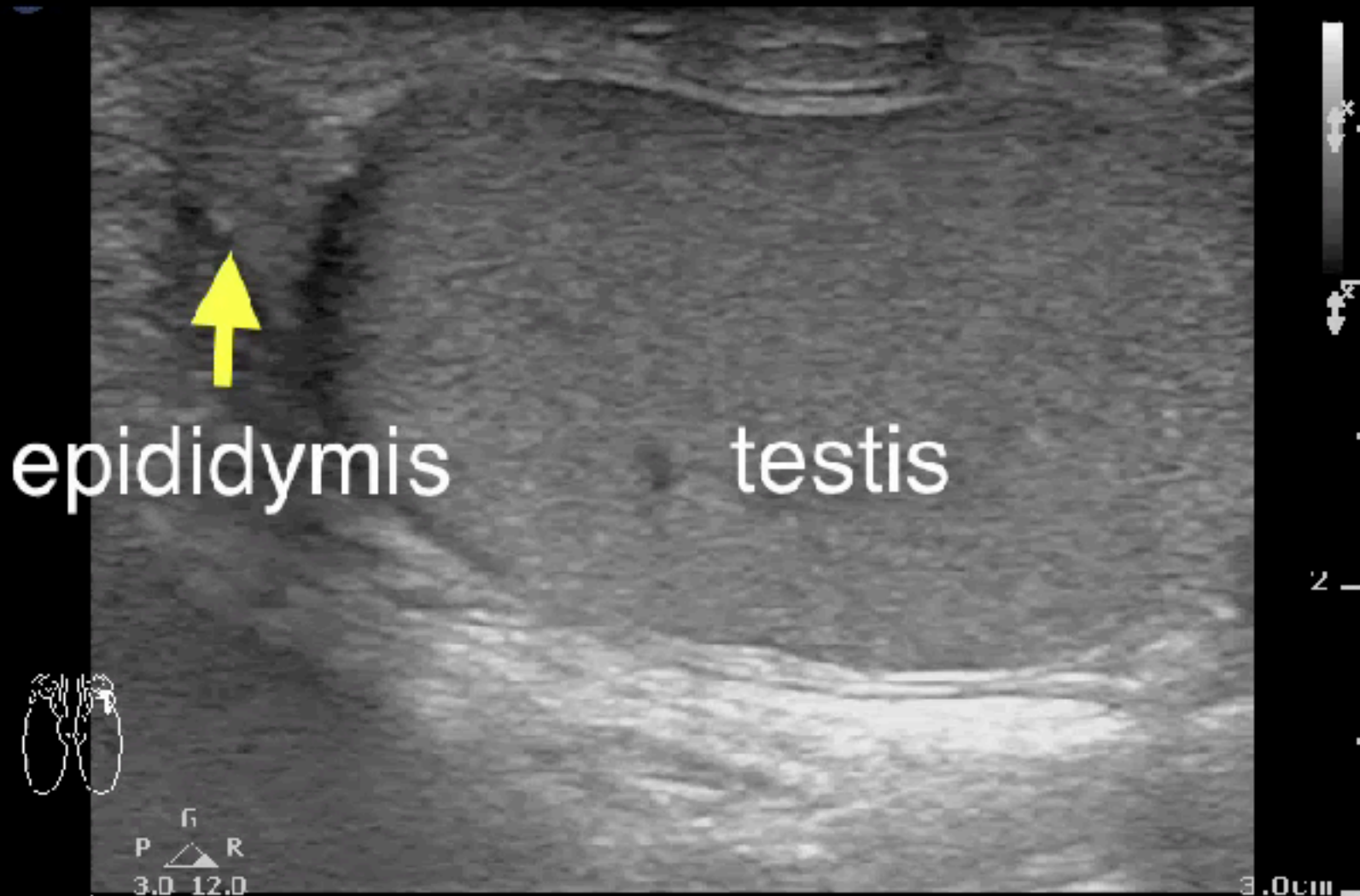
Res  
Gn 100  
C 56  
3 / 2 / 1



P  
G  
R

Superficial  
L12-3  
46 Hz  
3.0cm

2D  
Res  
Gn 100  
C 56  
3/2/1



longitudinal scan of testis

# Testis mediastinum

Superficial P

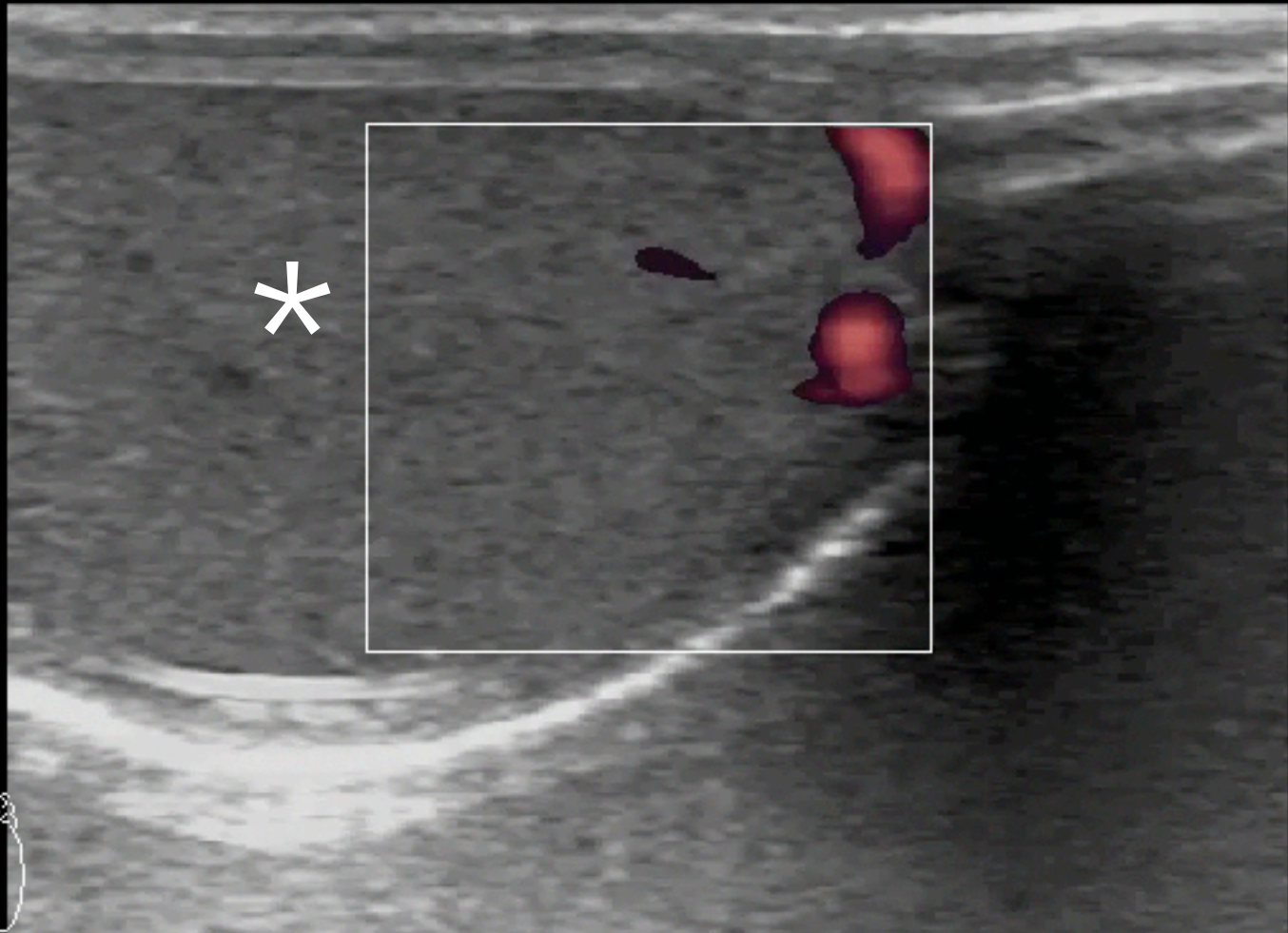
12-3  
42 Hz  
3.0cm

2D

Gen  
Gn 100  
C 52  
4/3/7

CPA

5.0 MHz  
Gn 57  
1/5/4  
Filtr Med  
BaseIn 3



G  
P R  
3.0 12.0

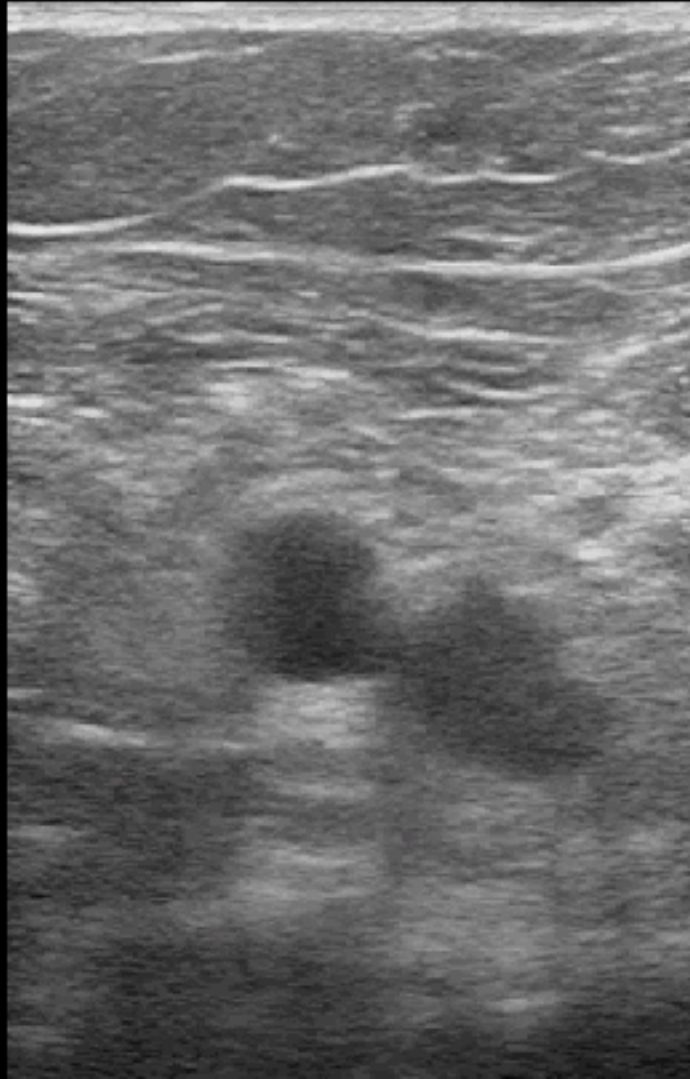
3.0cm

# Level of compression

Venous  
L12-3  
31 Hz  
6.0cm

2D  
HGen  
Gn 87  
C 41  
3/3/2

P



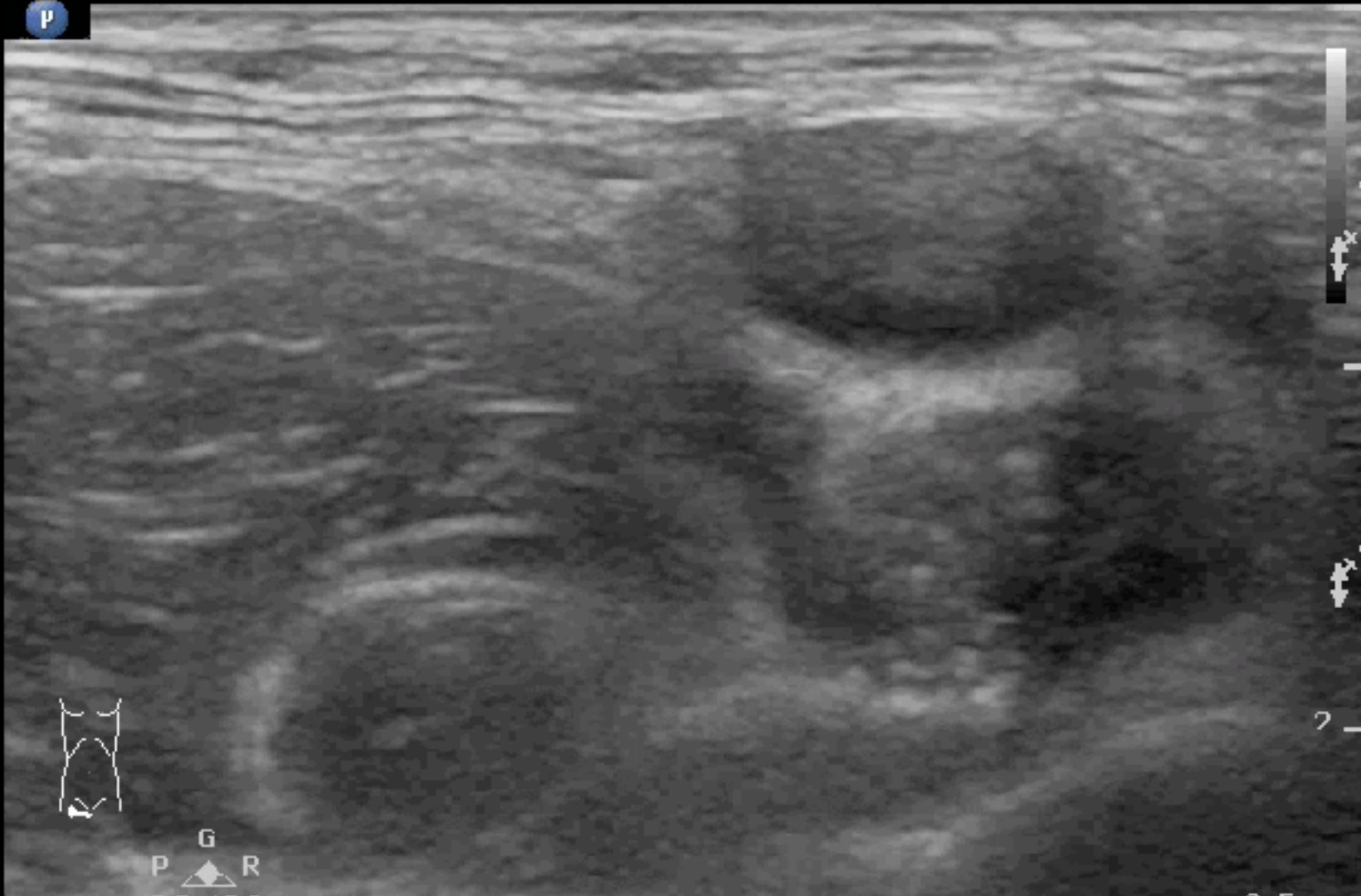
# Indicate femoral nerve

Superficial

L12-3  
34 Hz  
2.5cm

2D

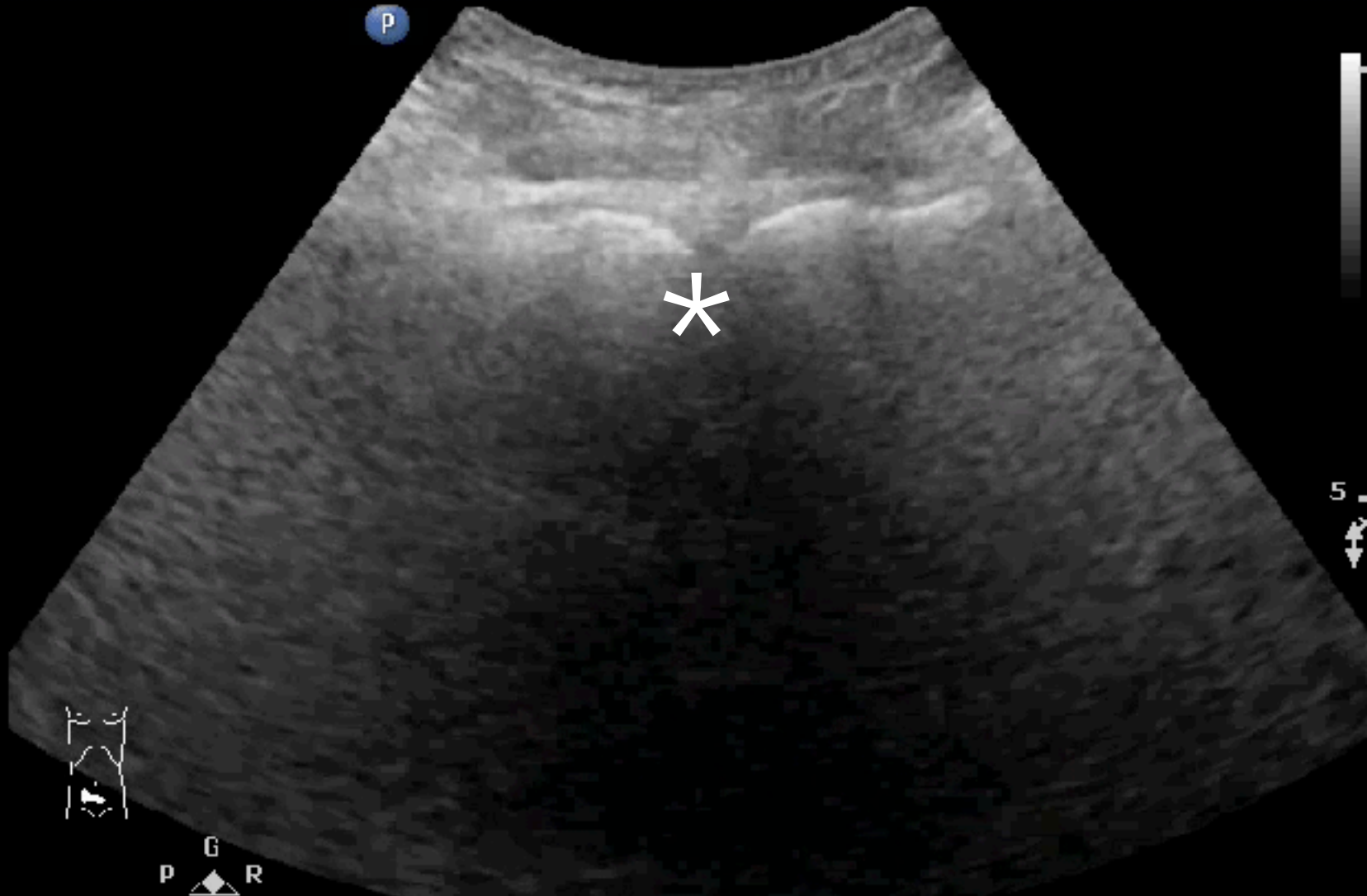
Gen  
Gn 90  
C 52  
4/3/2



# Pubic symphysis

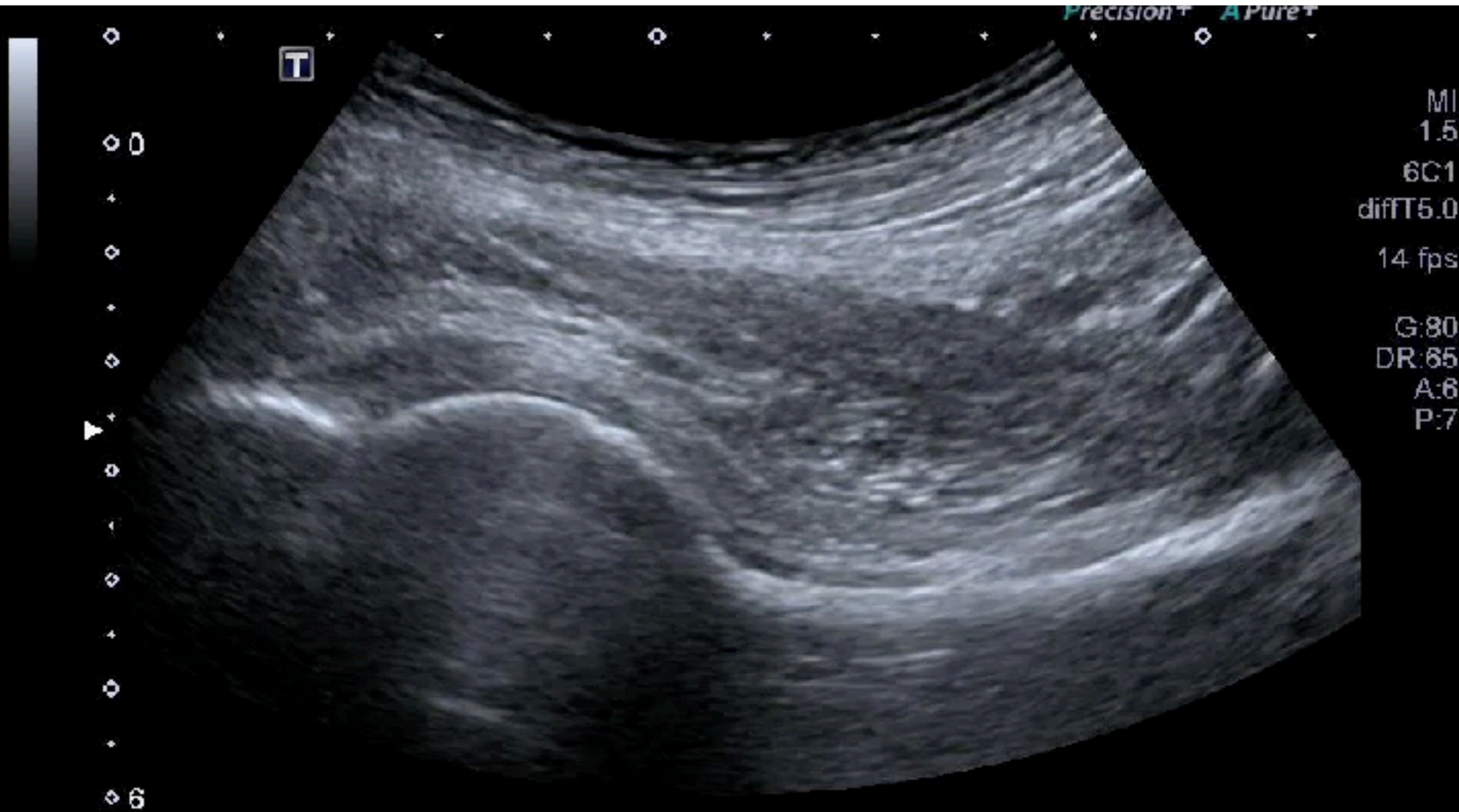
FAST  
C5-1  
45 Hz  
10.0cm

PD  
Gen  
Gn 84  
C. 56  
1 / 3 / 3

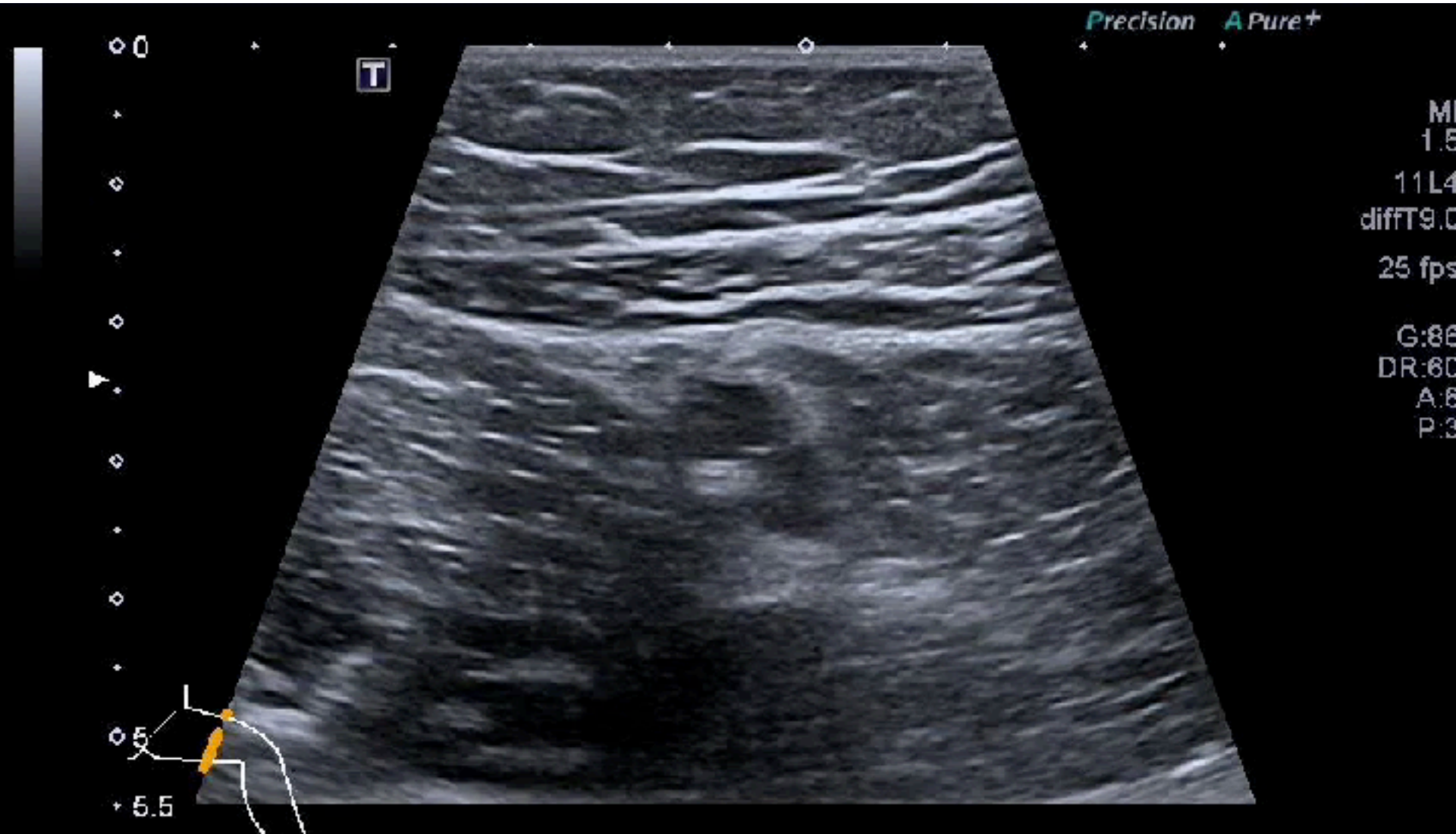




# Name of the joint



# Name of the canal



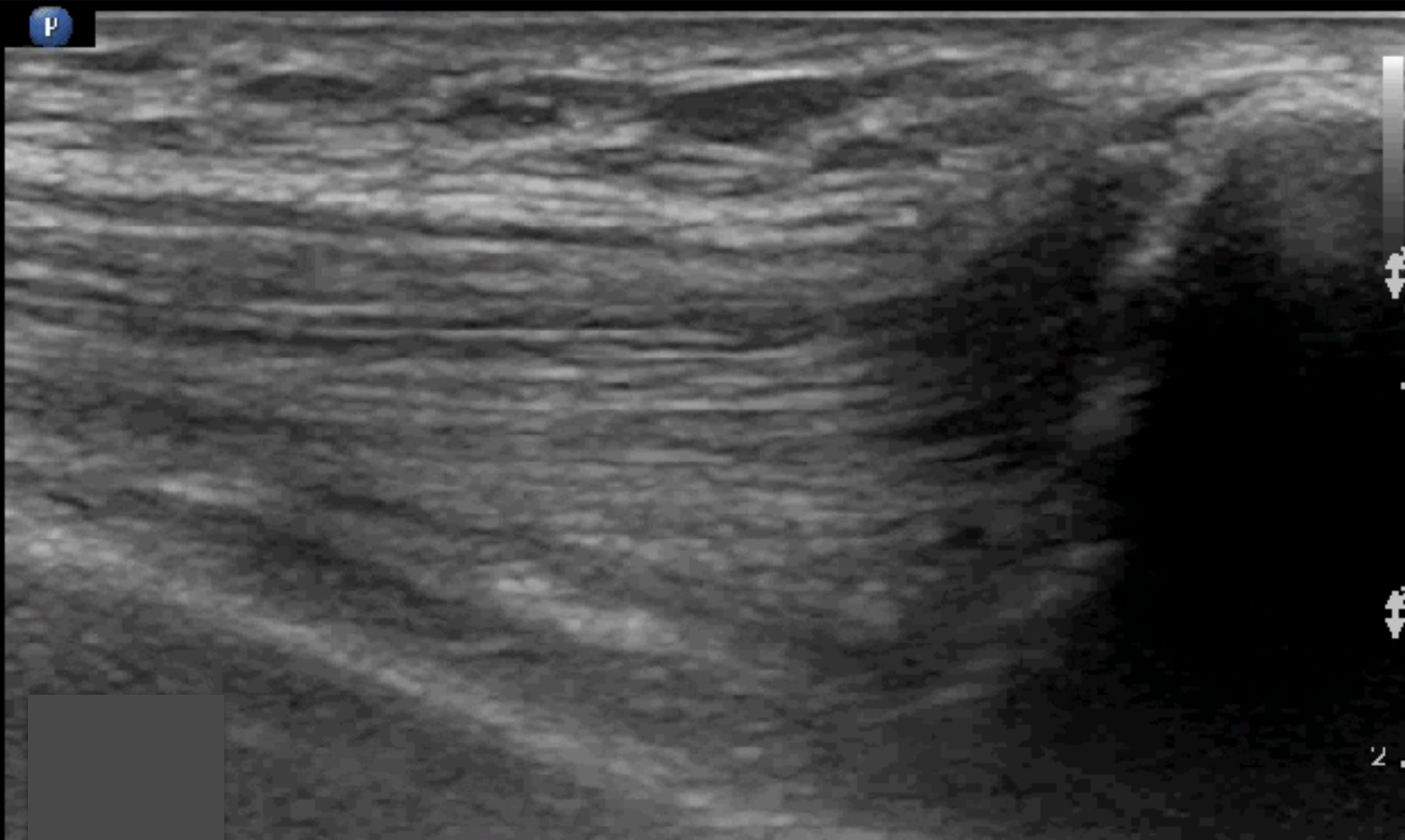
# Name of the joint

Superficial

12 3  
34 Hz  
2.5cm

2D

Gen  
Gn 82  
C 52  
4 / 3 / 2



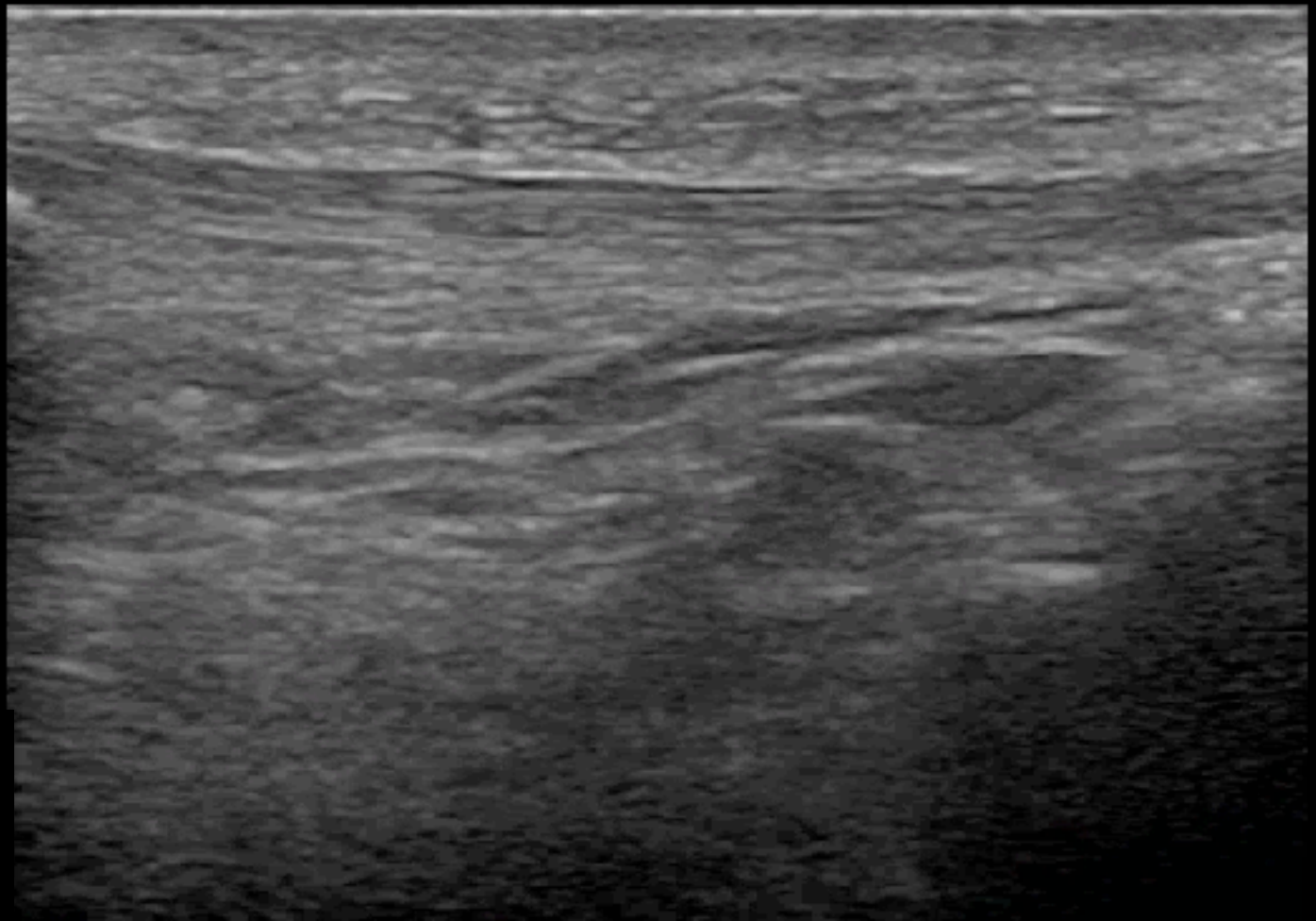
# Name of the tendon

Superficial  
L12-3  
46 Hz  
3.0cm

P

2D

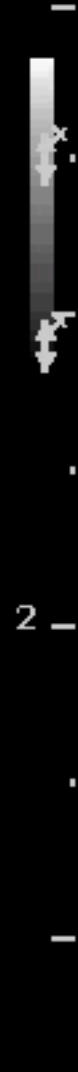
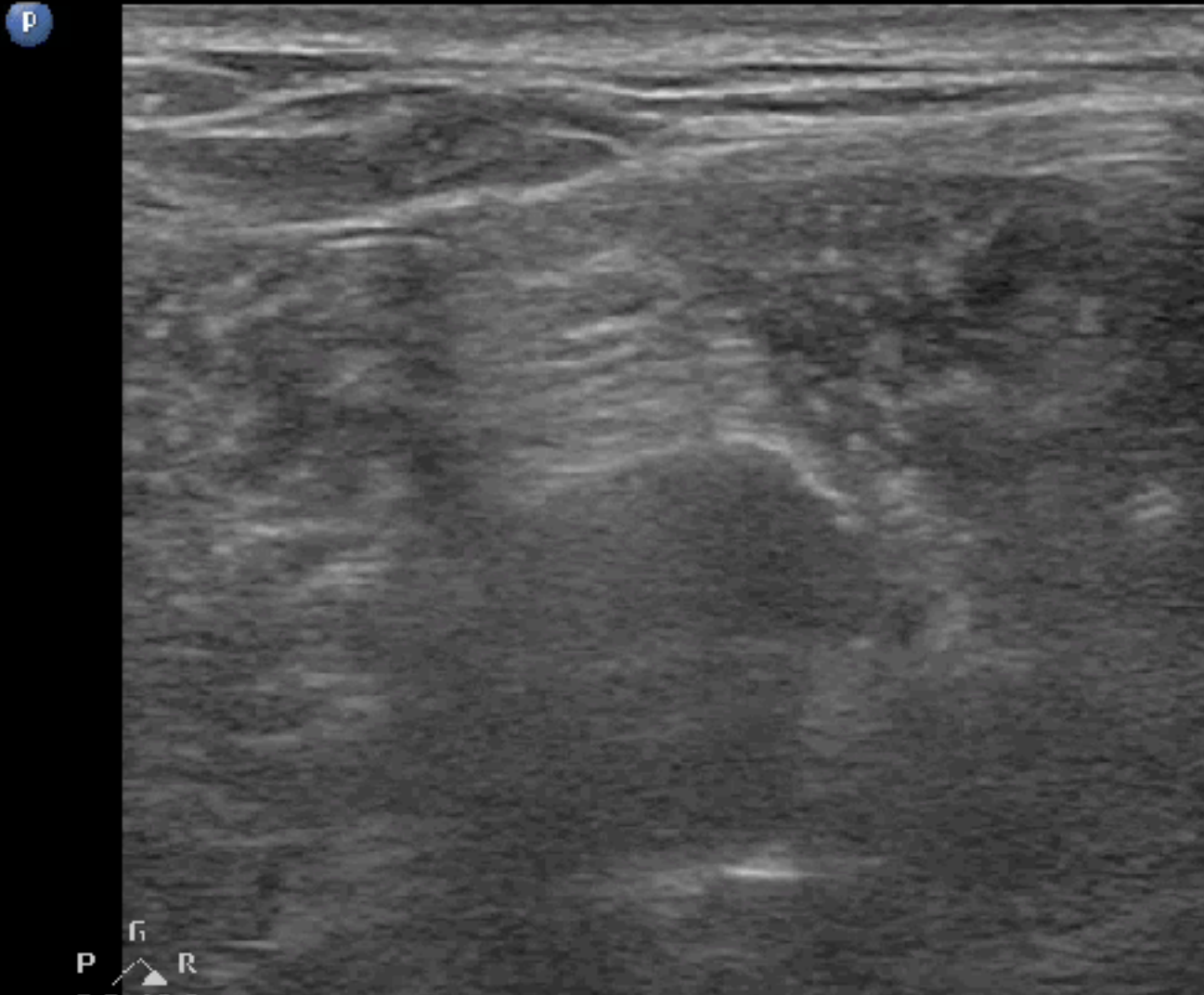
Res  
Gn 78  
C 56  
3 / 2 / 1



# Level of compression

Superficial  
L12-3  
46 Hz  
3.5cm

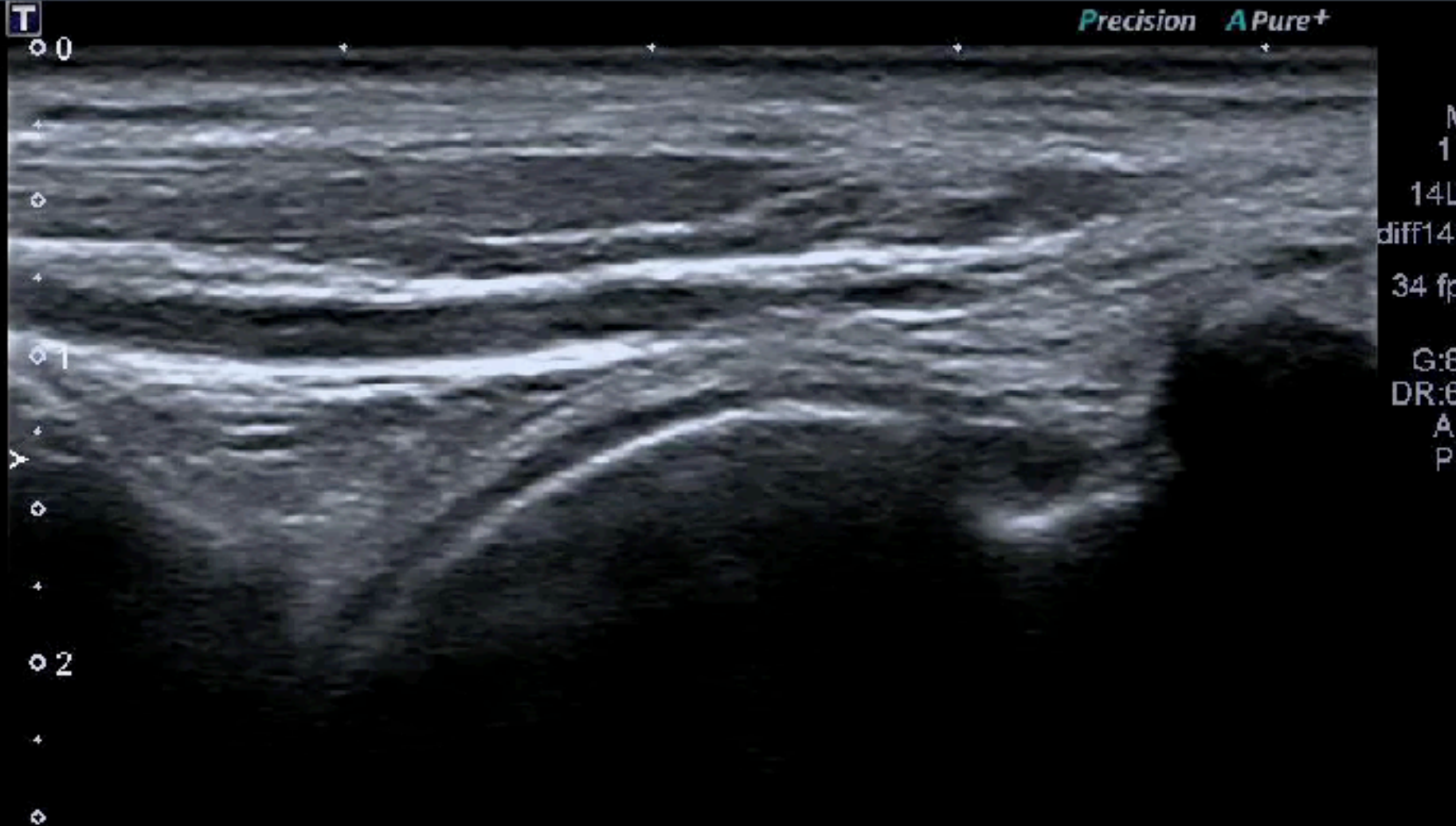
2D  
Res  
Gn 100  
C. 56  
3 / 2 / 1



G  
P R  
2.0 10.0

2.5cm

# Name of the artery



# Tom, Dick and Very Nervous Harry

Superficial  
L12-3  
50 Hz  
1.5cm

Ant

Post

2D

Res  
Gn 78  
C: 56  
3 / 2 / 1

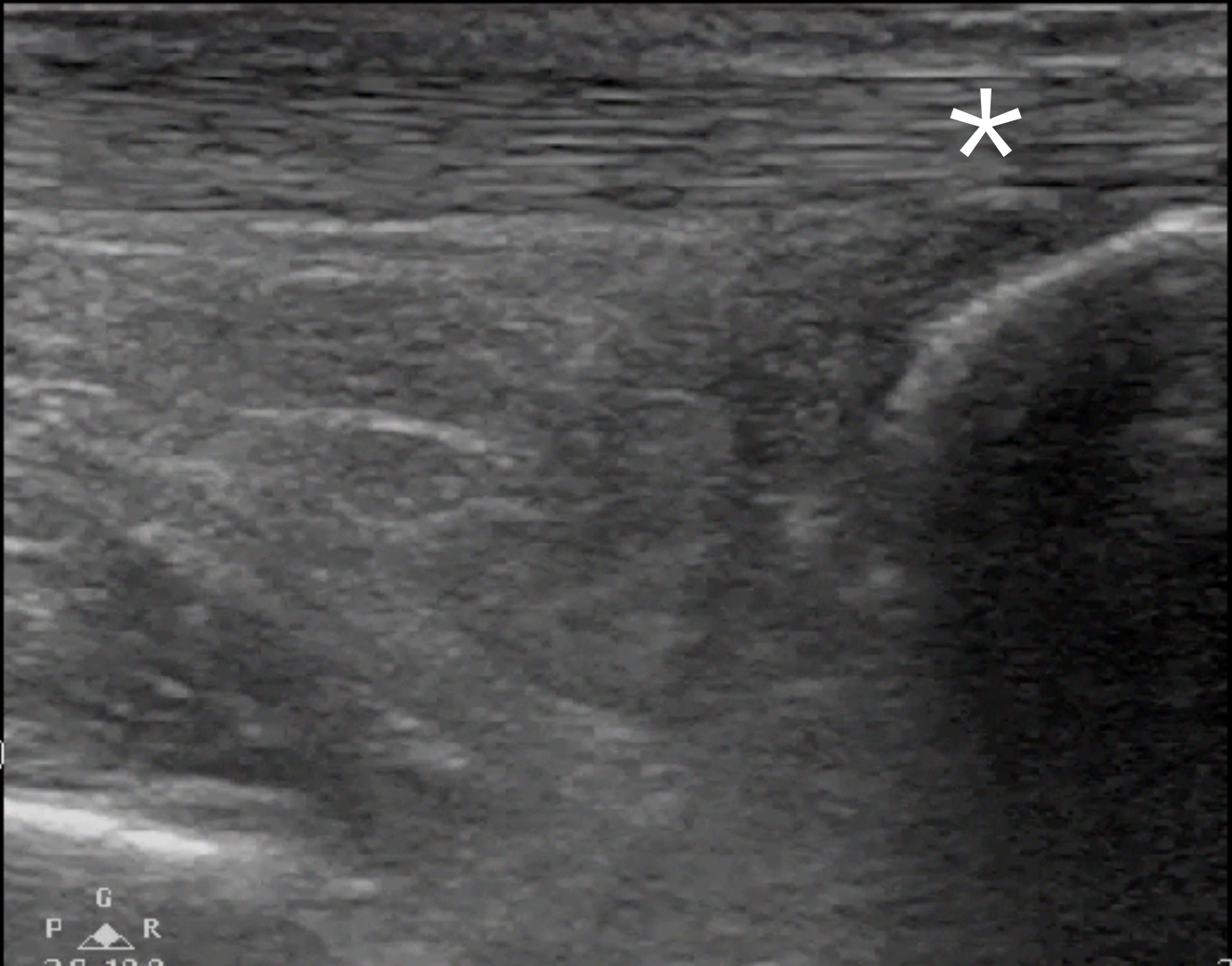


# Heel scan

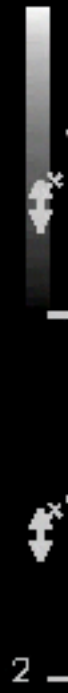
Superficial  
| 12-3  
31 Hz  
3.0cm

P

2D  
Gen  
Gn 100  
C 52  
4/3/7

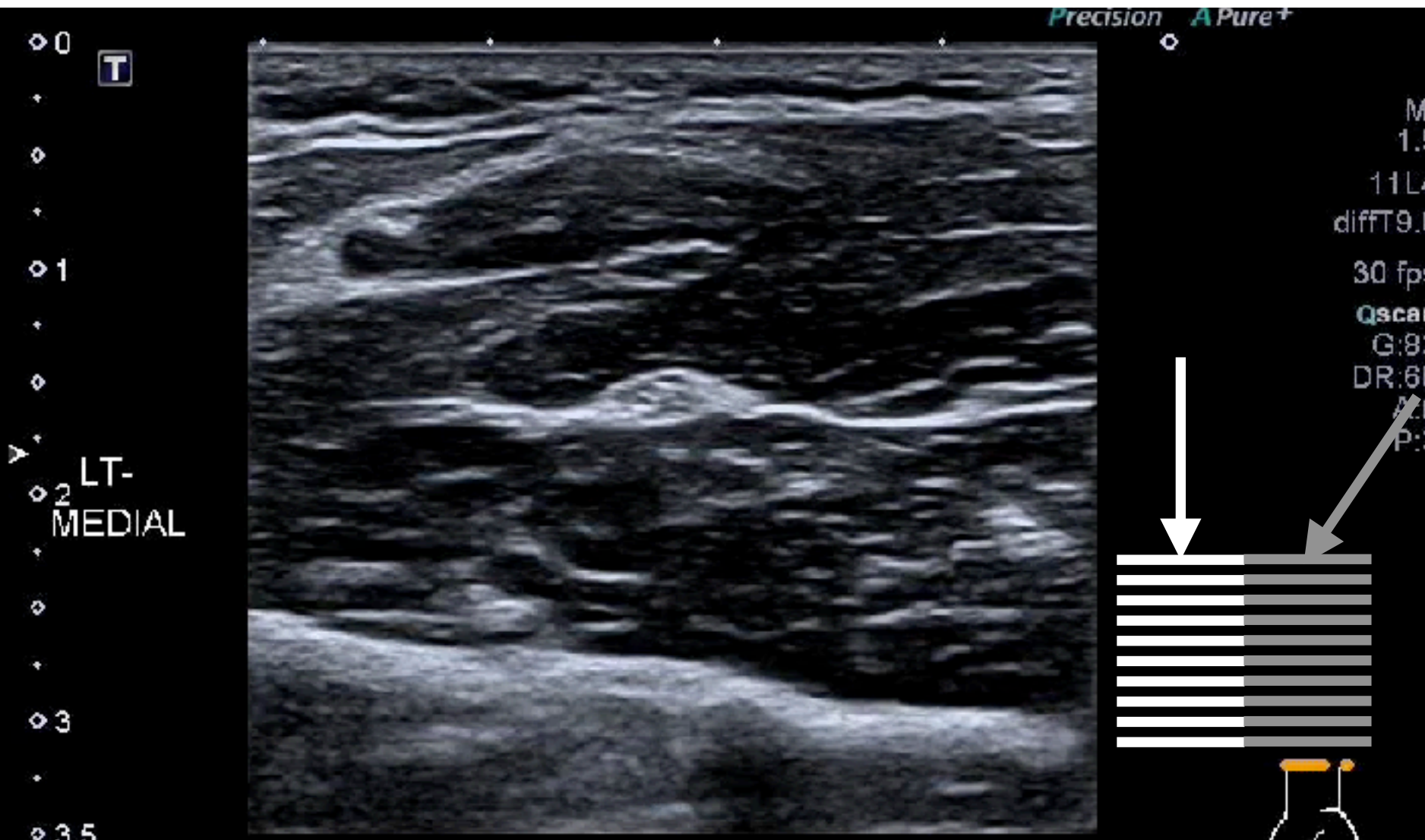


G  
P ▲ R  
2.0 12.0





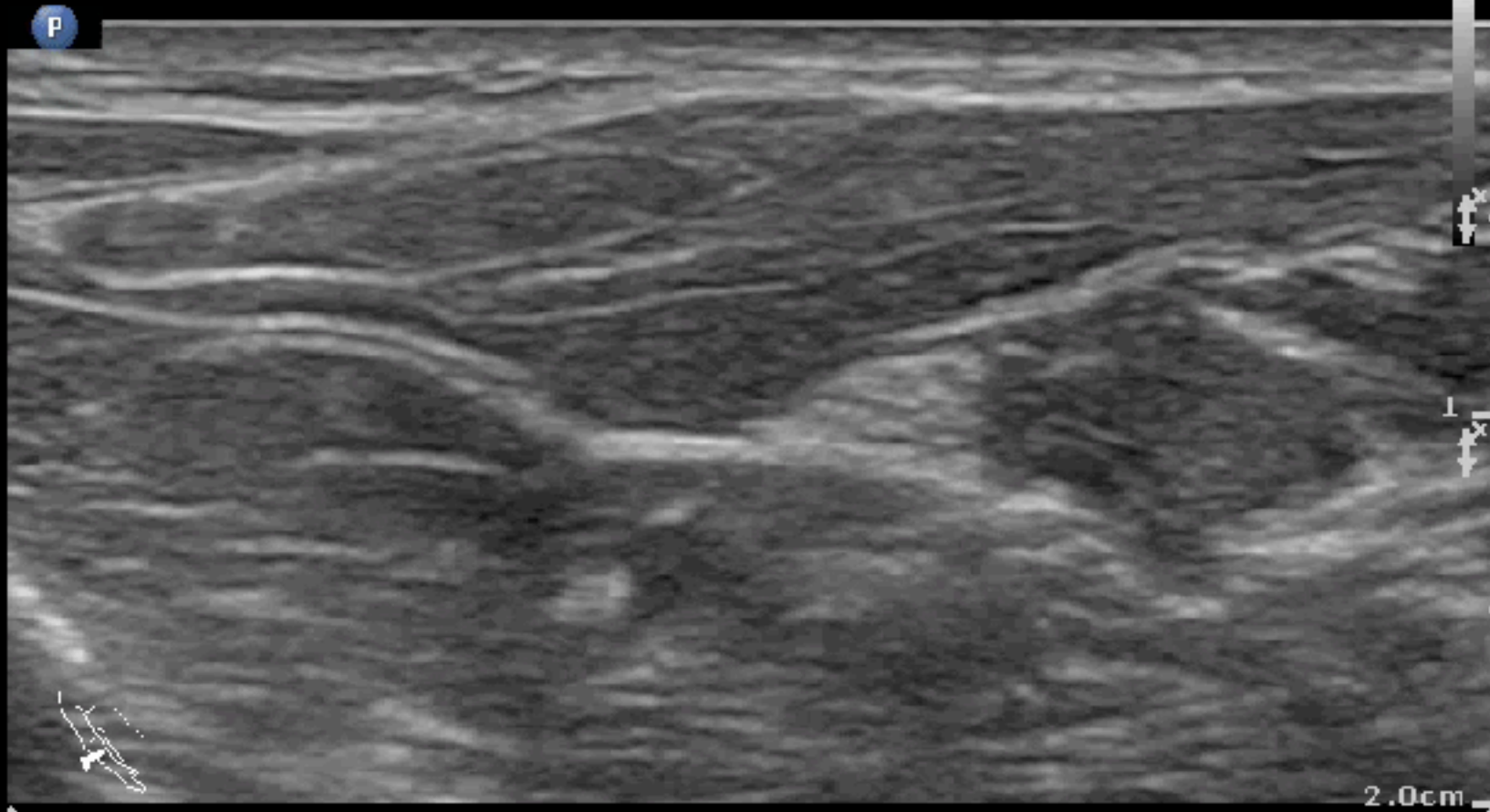
# Anisotropy



# Indicate median nerve

Superficial  
L12-3  
50 Hz  
2.0cm

2D  
Res  
Gn /6  
C. 56  
3 / 2 / 1



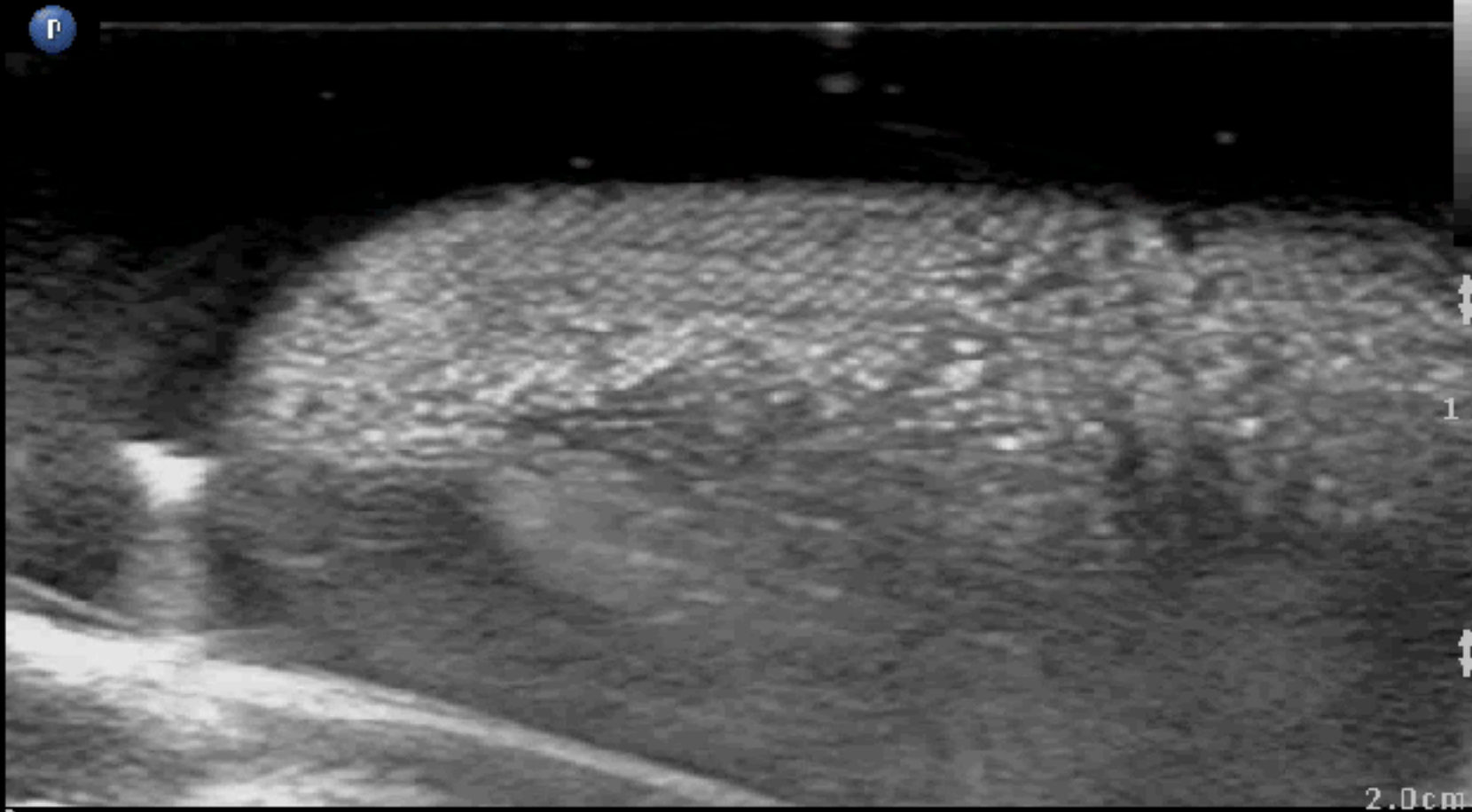
P R

2.0cm

# No. of joint

Superficial  
12-3  
10 Hz  
2.0cm

D  
Res  
Gn 60  
C 56  
3/2/1



R

P 1 P

2.0cm