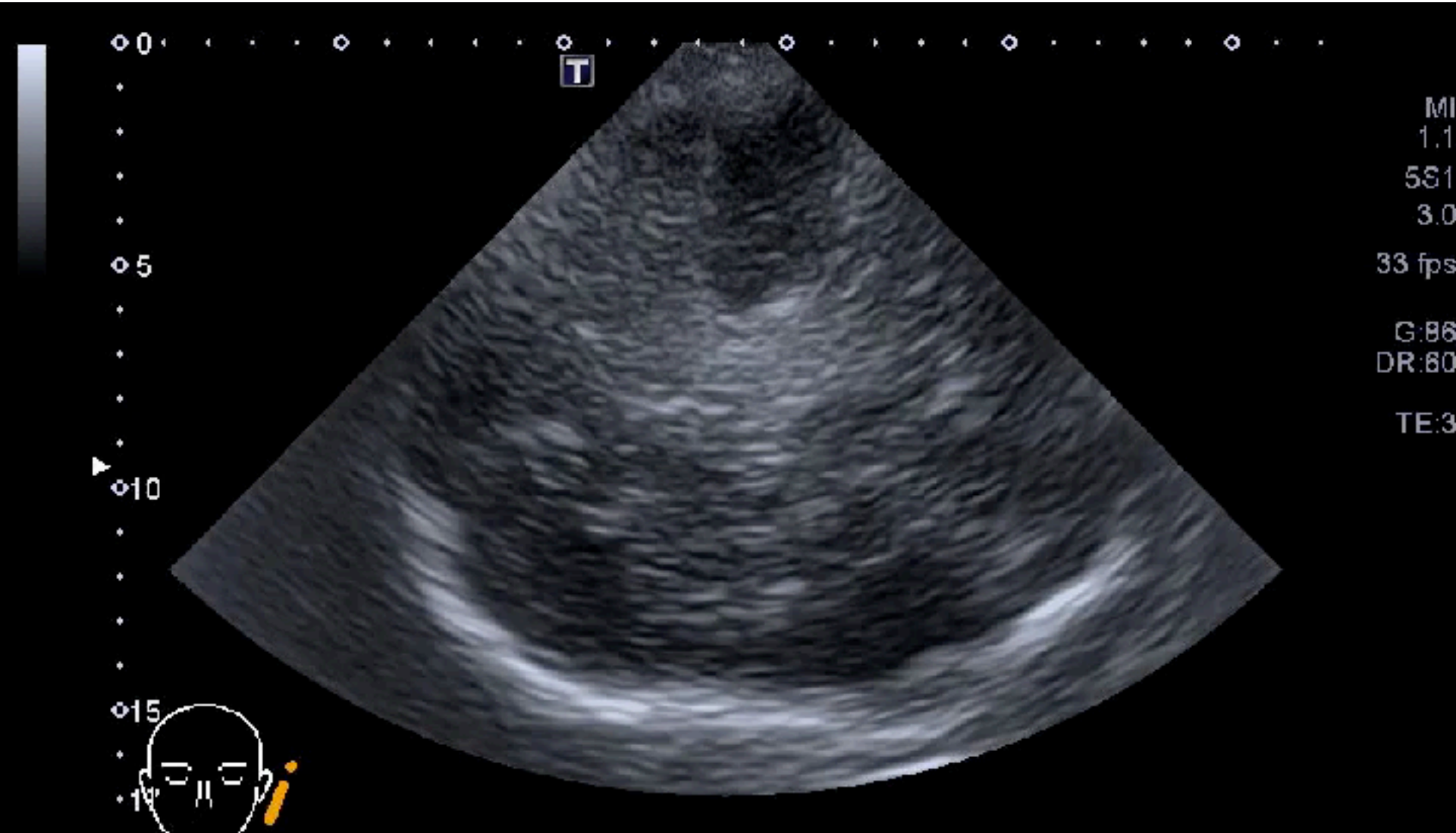
SonoAnatomy

Taipei Medical University Center for Education in Medical Simulation

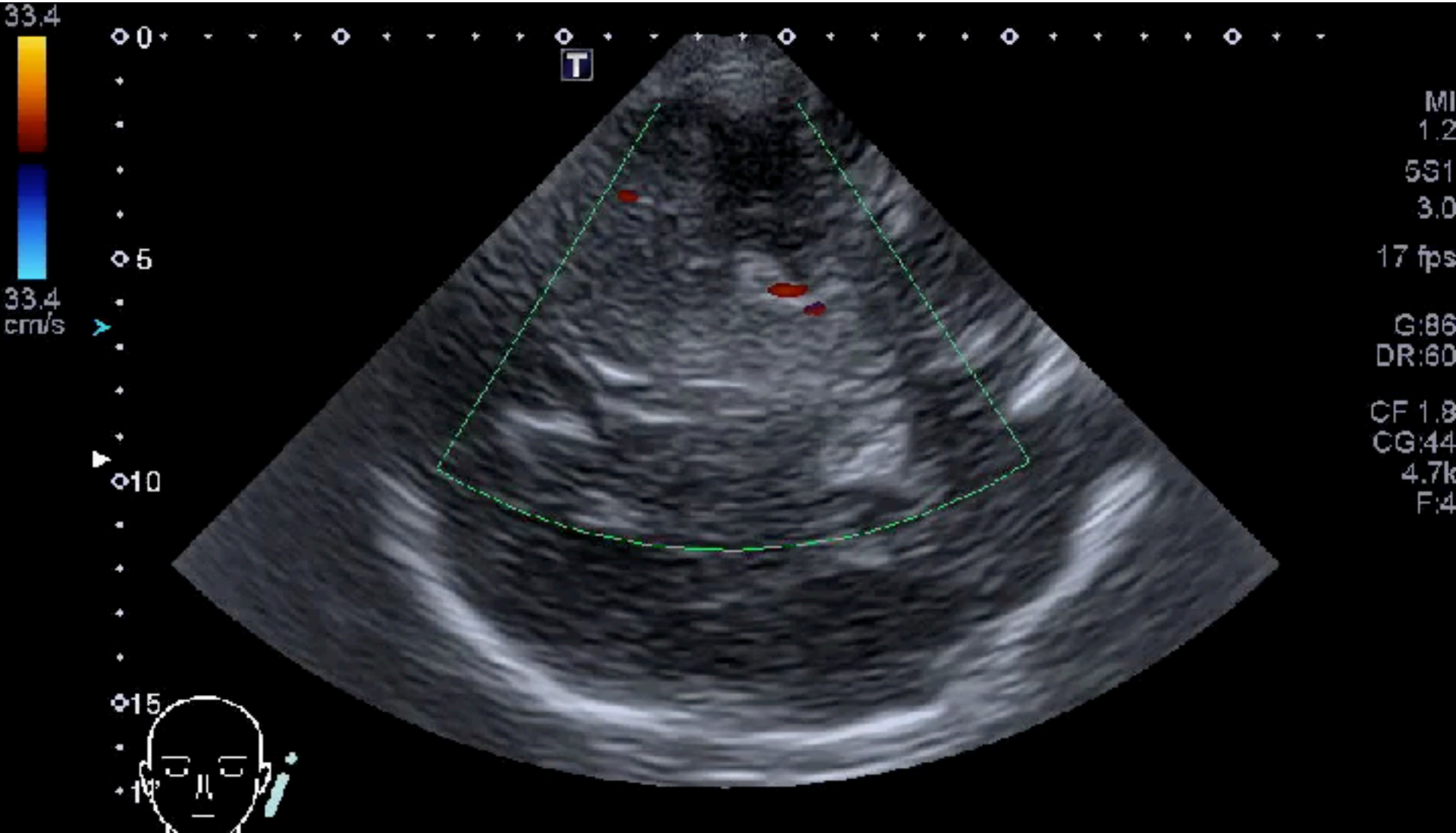
ULTRASOUND
PROGRAM

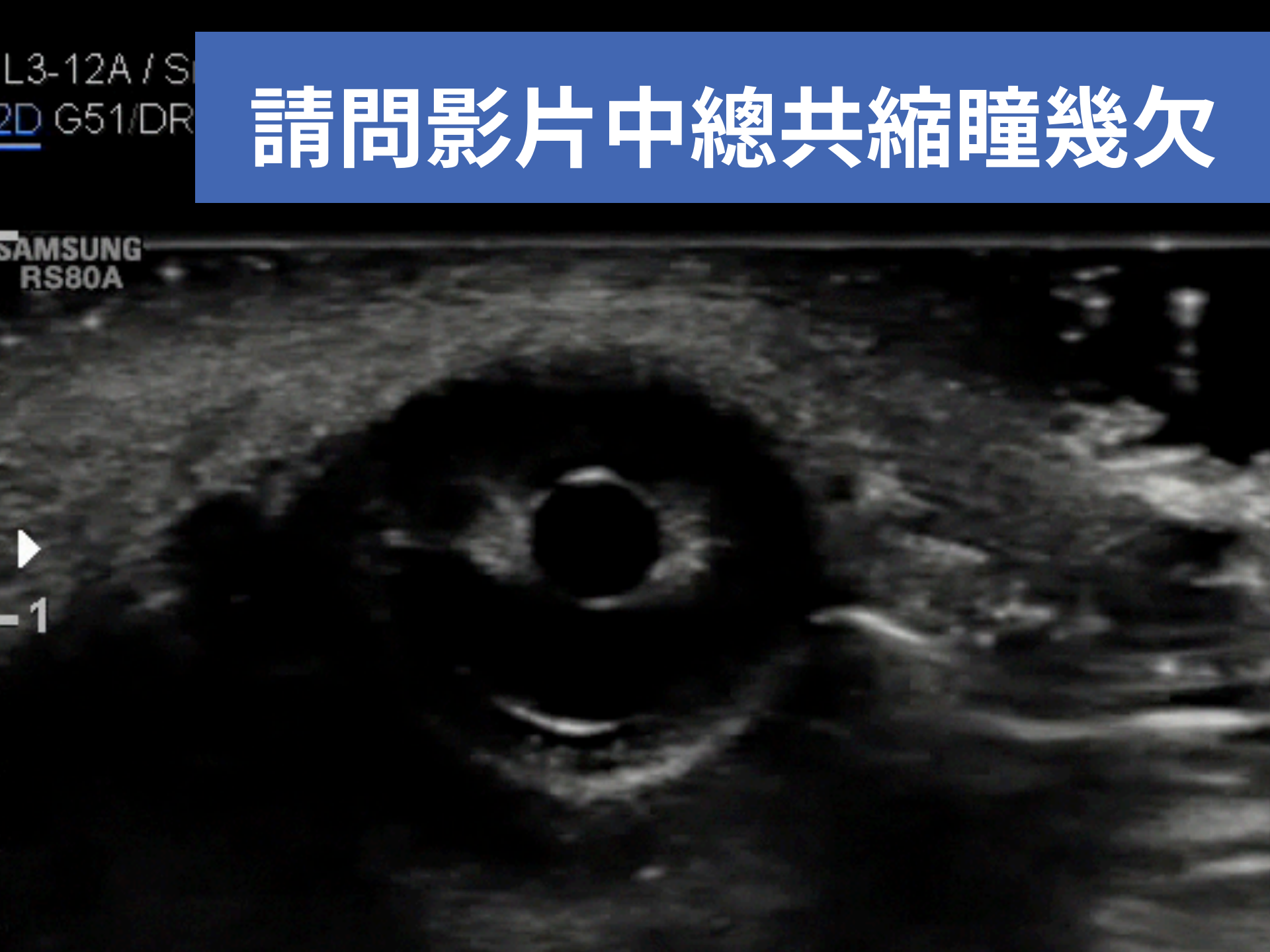
Midline



ULTRASOUND PROGRAM

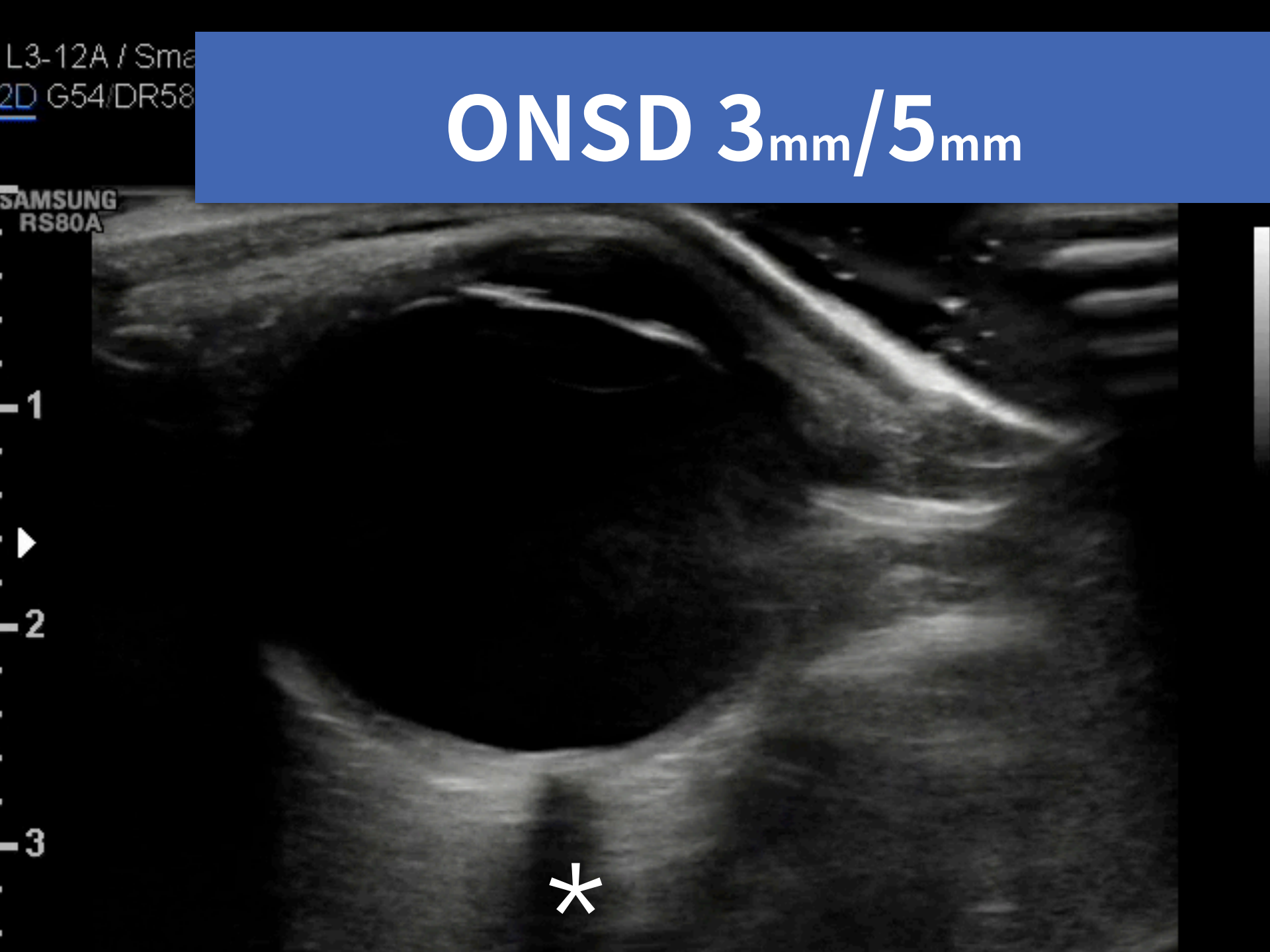
MCA




L3-12A / S
2D G51/DR
請問影片中總共縮瞳幾欠
SAMSUNG
RS80A
1

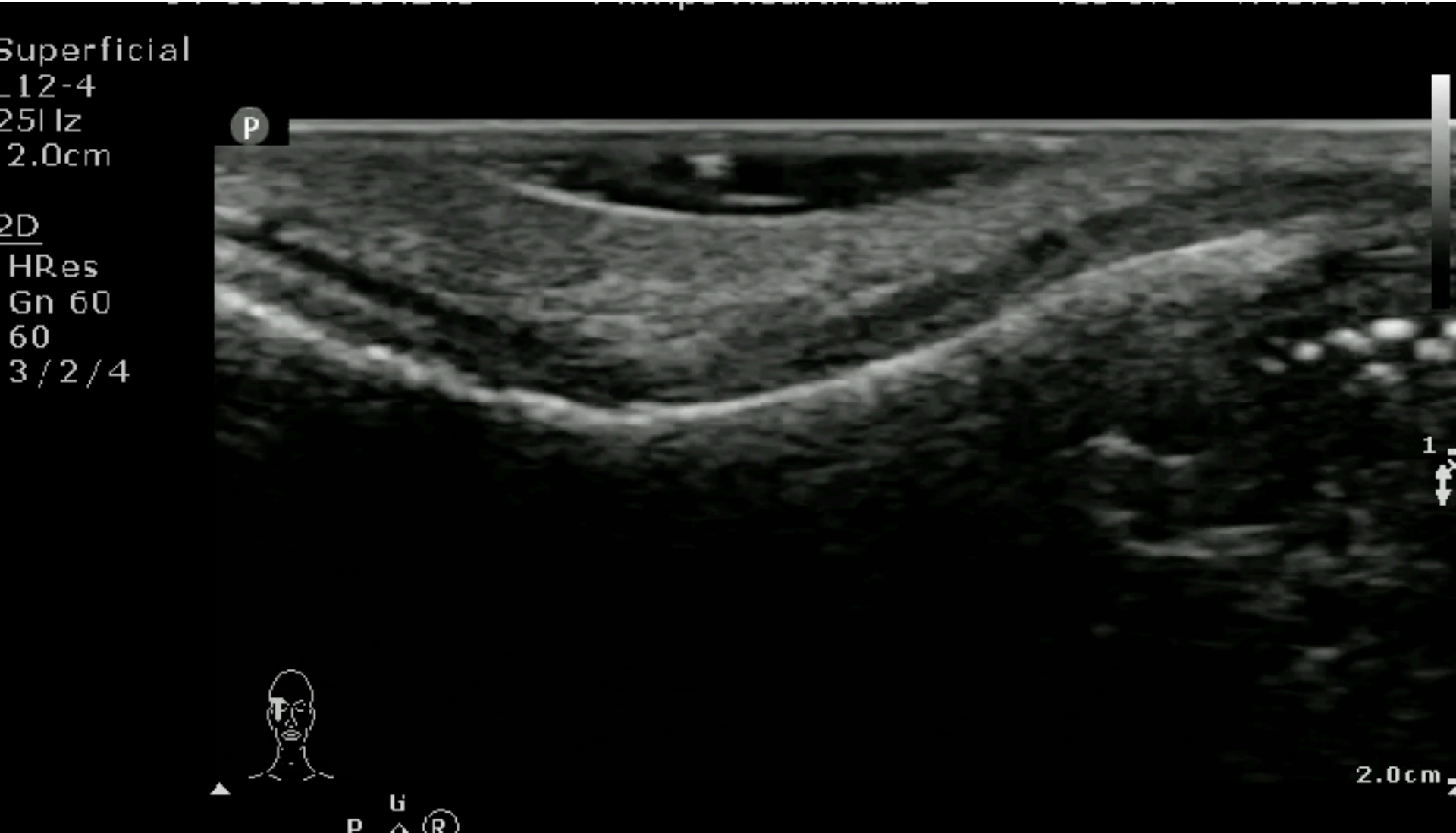
ULTRASOUND
PROGRAM

影片中標示為何種artifact


L3-12A / Sma
2D G54/DR58
SAMSUNG
RS80A
1
2
3
ONSD 3mm/5mm

ULTRASOUND
PROGRAM

Name the bone



ULTRASOUND
PROGRAM

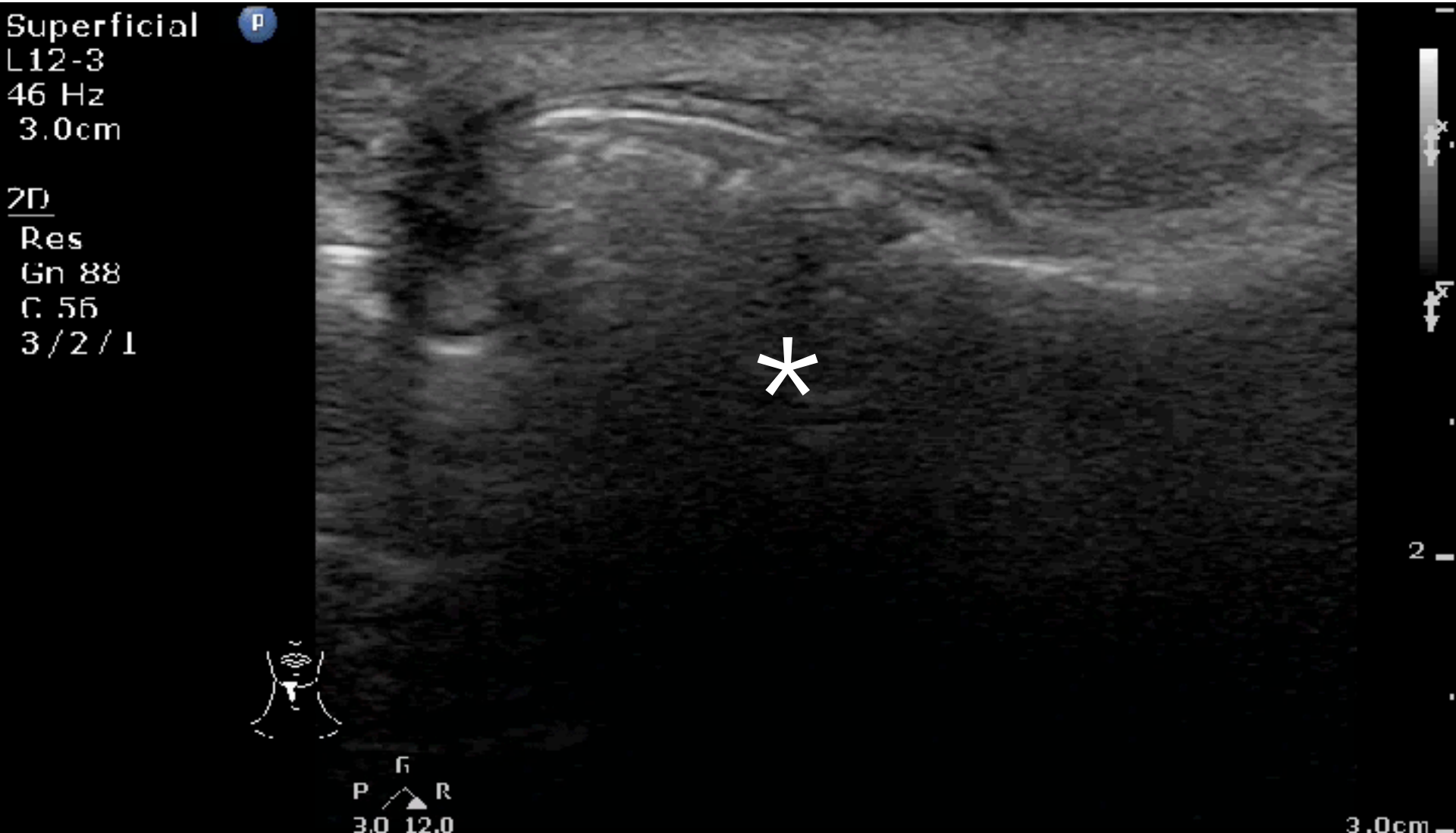
Name the structure

ULTRASOUND
PROGRAM

Direction of movement

ULTRASOUND
PROGRAM

Name of the structure



ULTRASOUND
PROGRAM

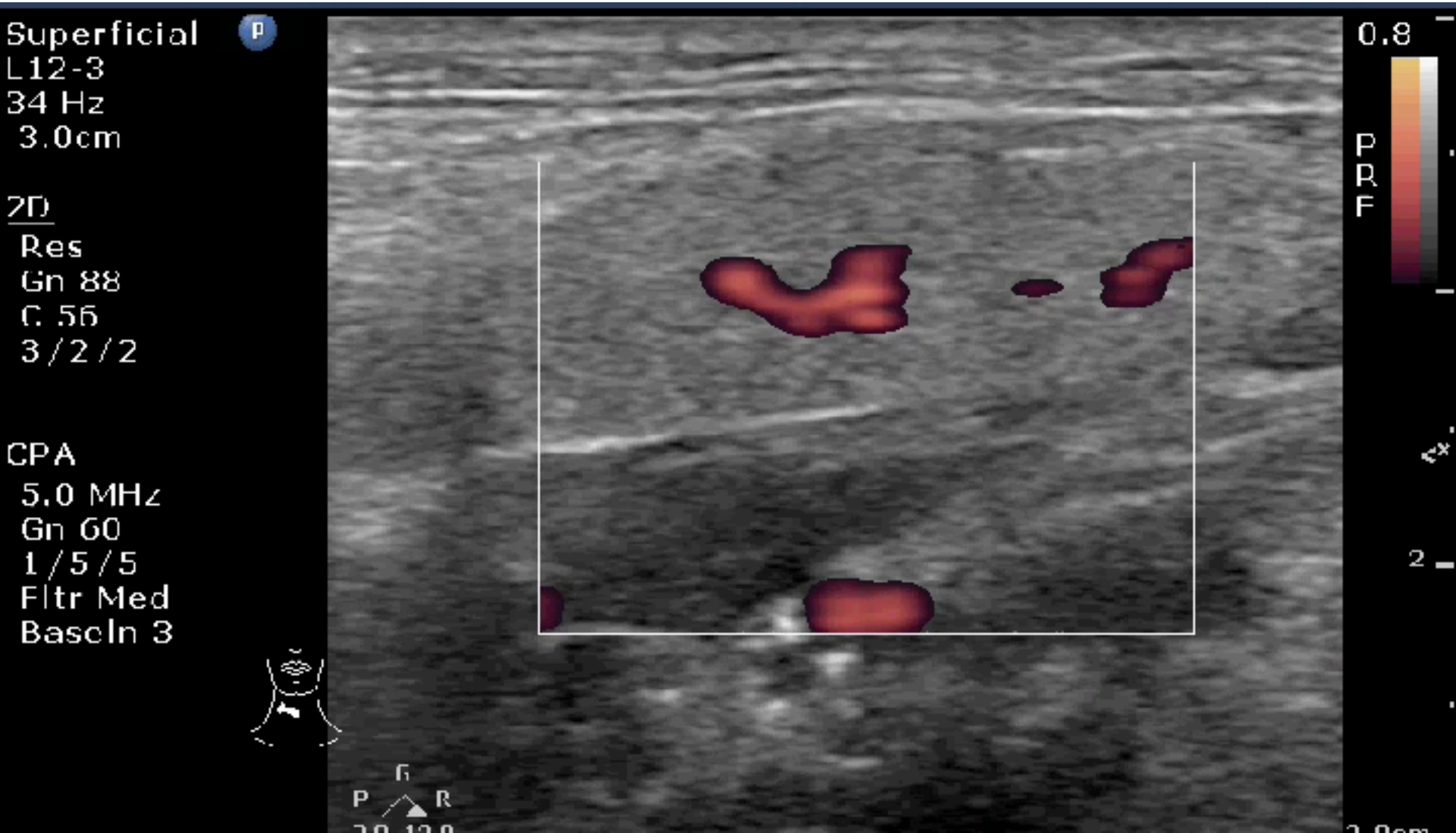
Name the gland

ULTRASOUND
PROGRAM

Name the gland

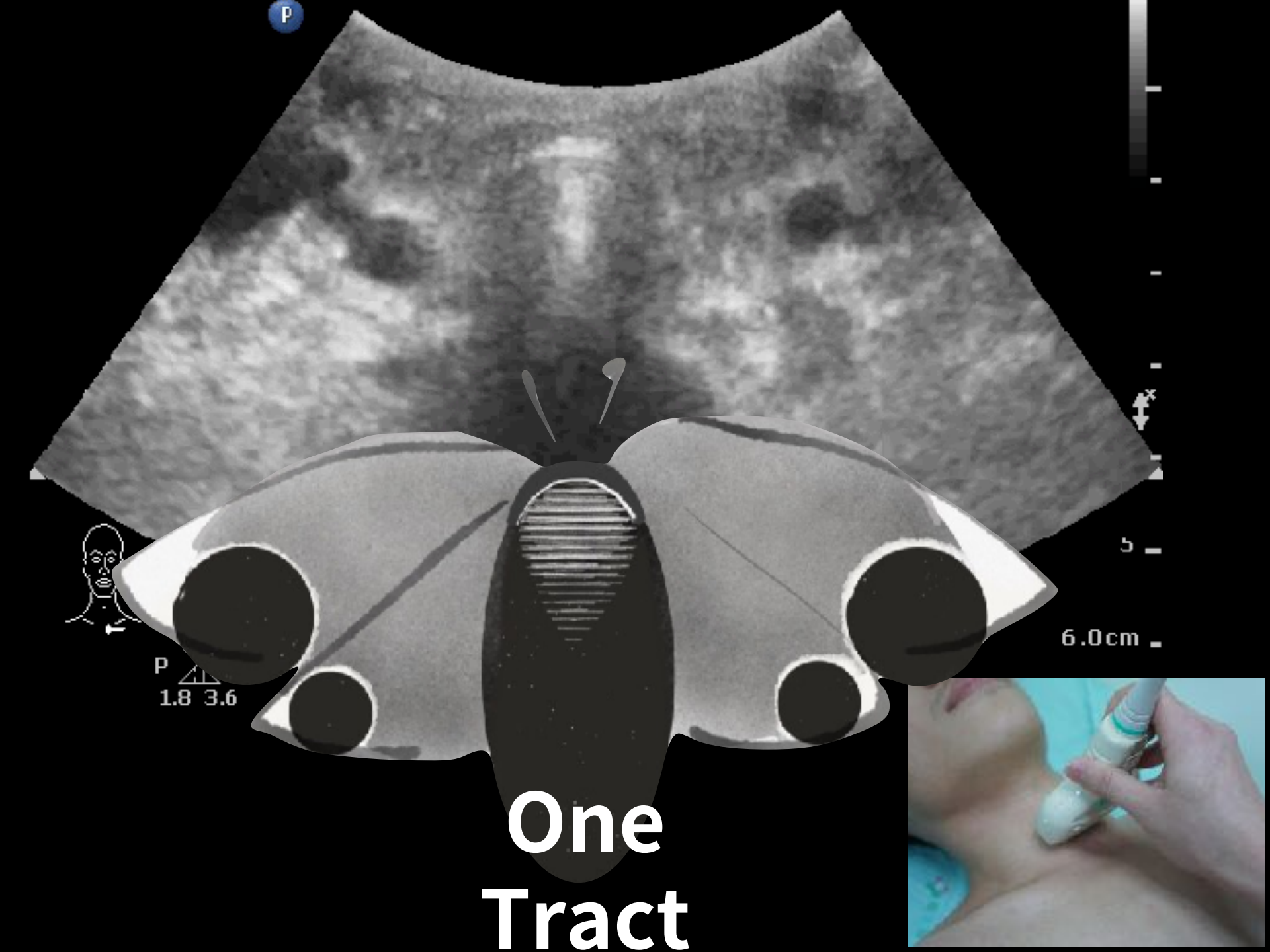
ULTRASOUND
PROGRAM

Power Doppler



ULTRASOUND
PROGRAM

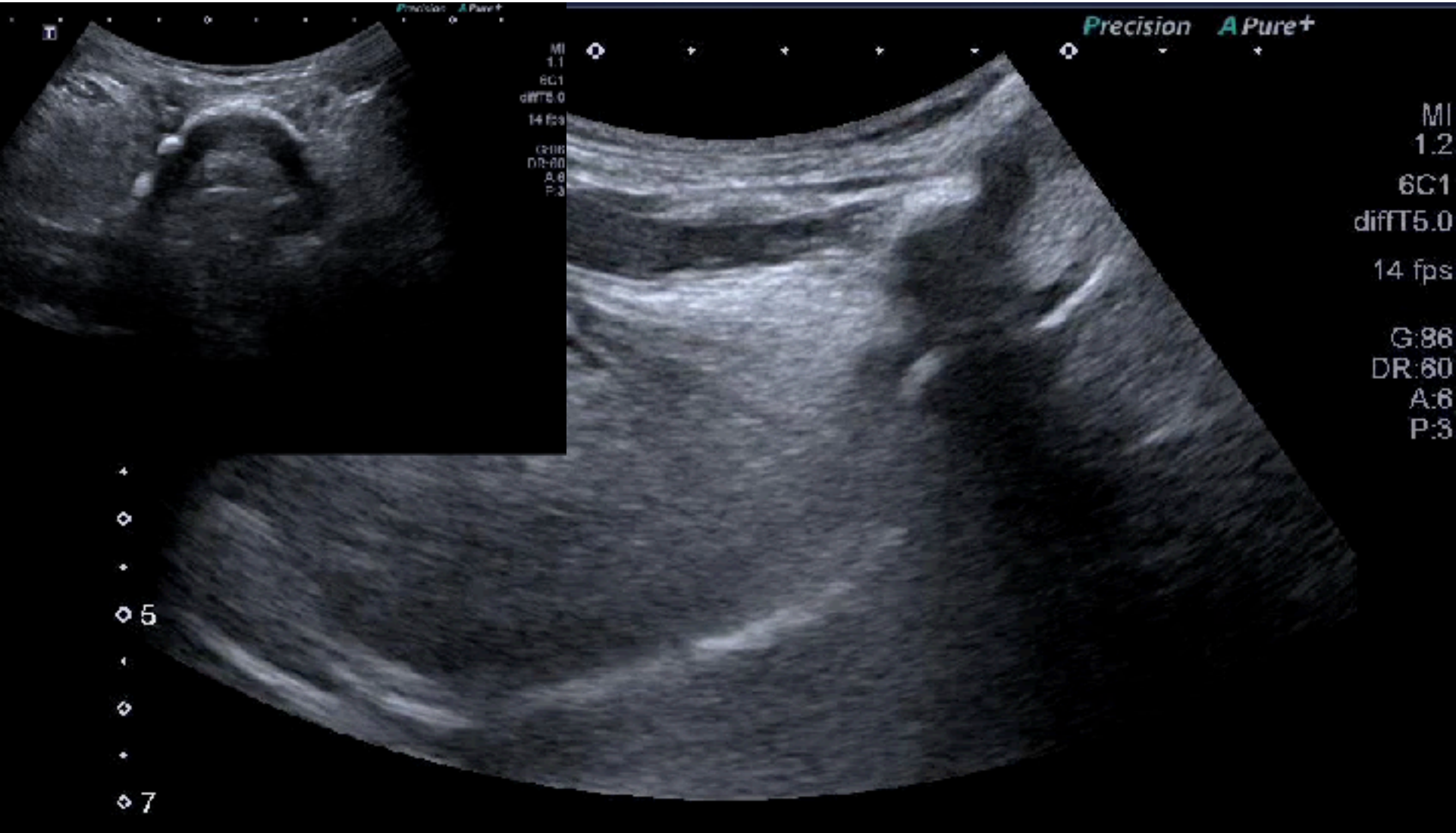
Name the gland



One Tract

ULTRASOUND
PROGRAM

Hyoid bone

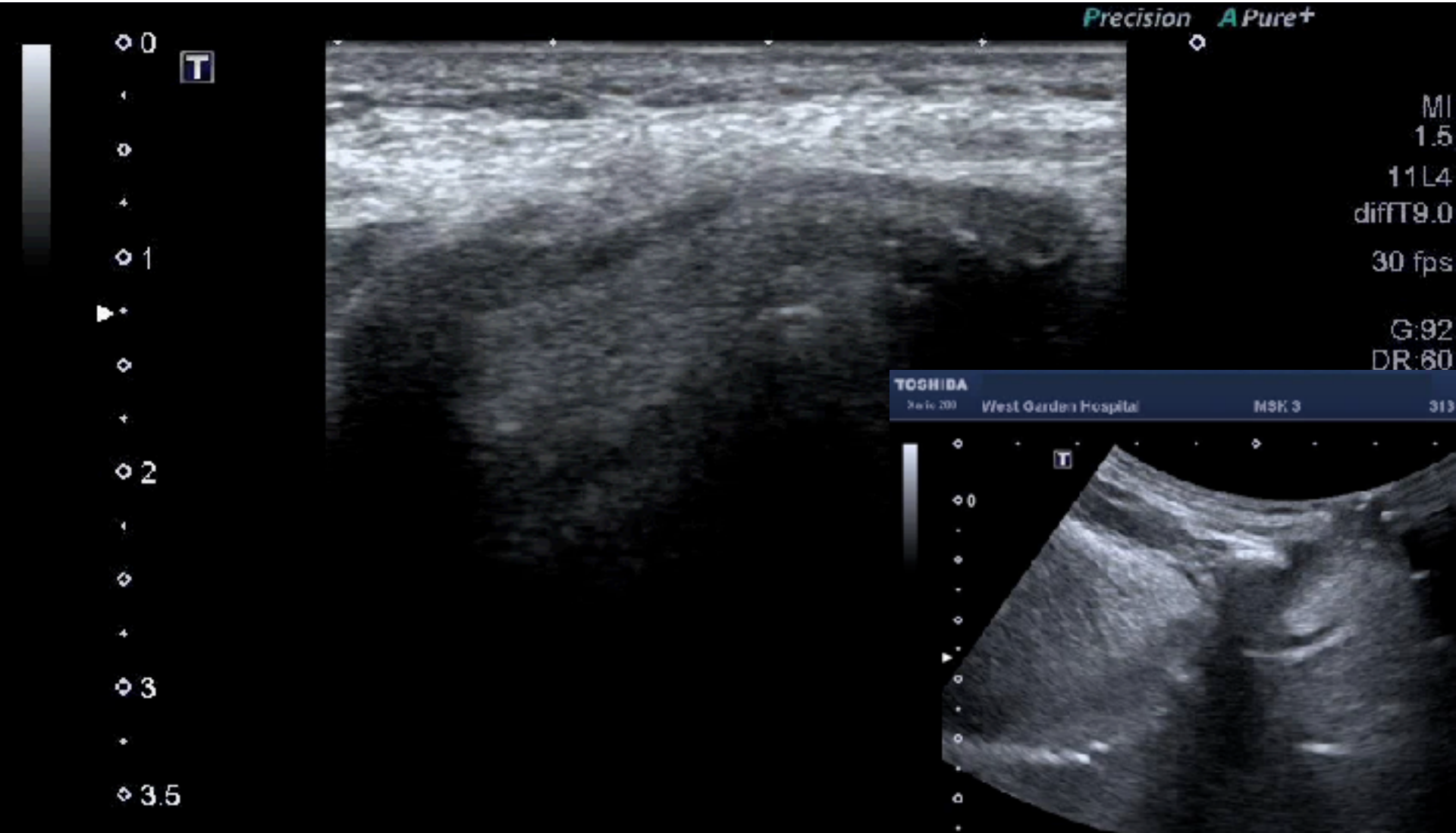


ULTRASOUND
PROGRAM

Direction of movement

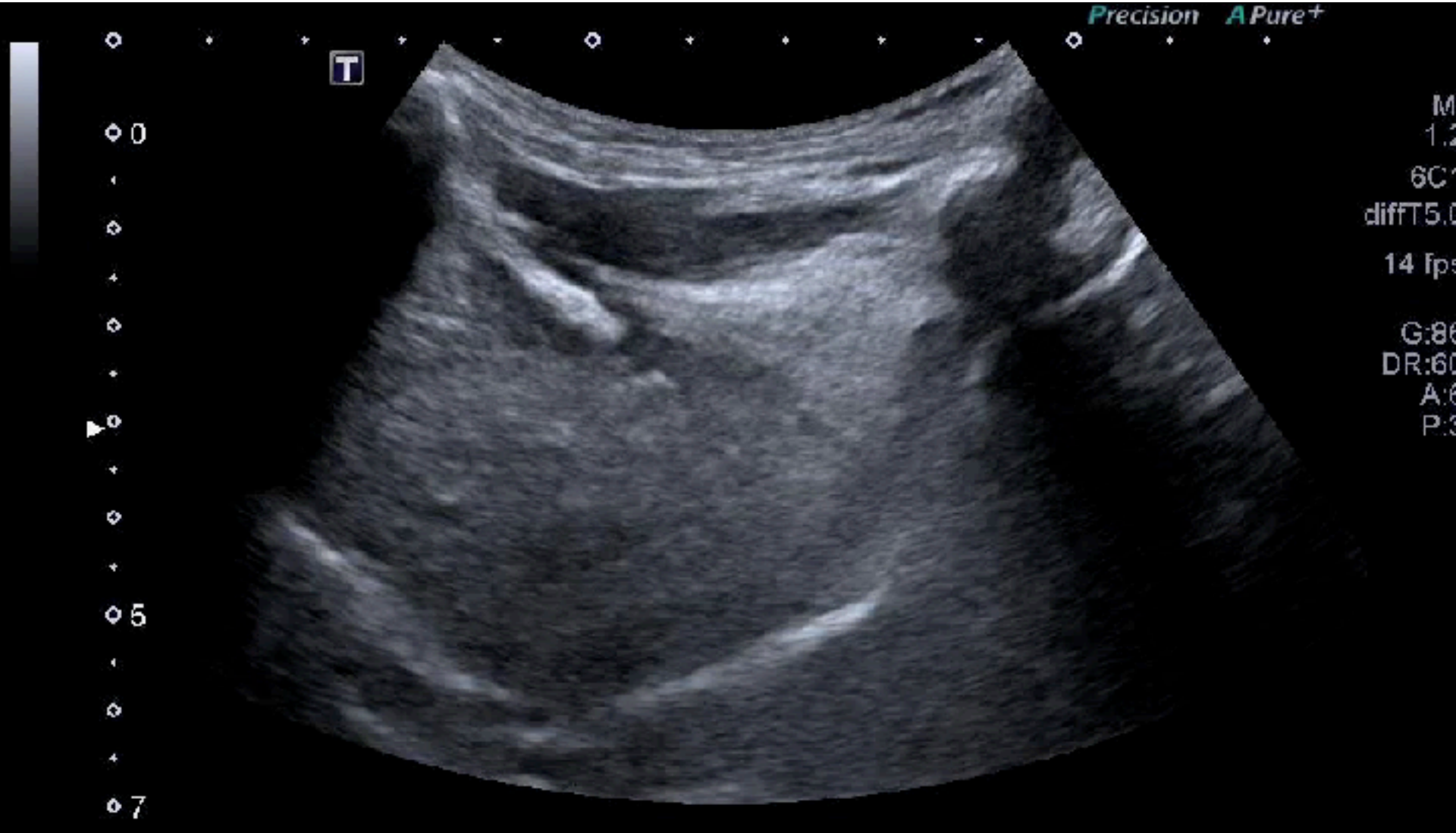
ULTRASOUND PROGRAM

Epiglottis



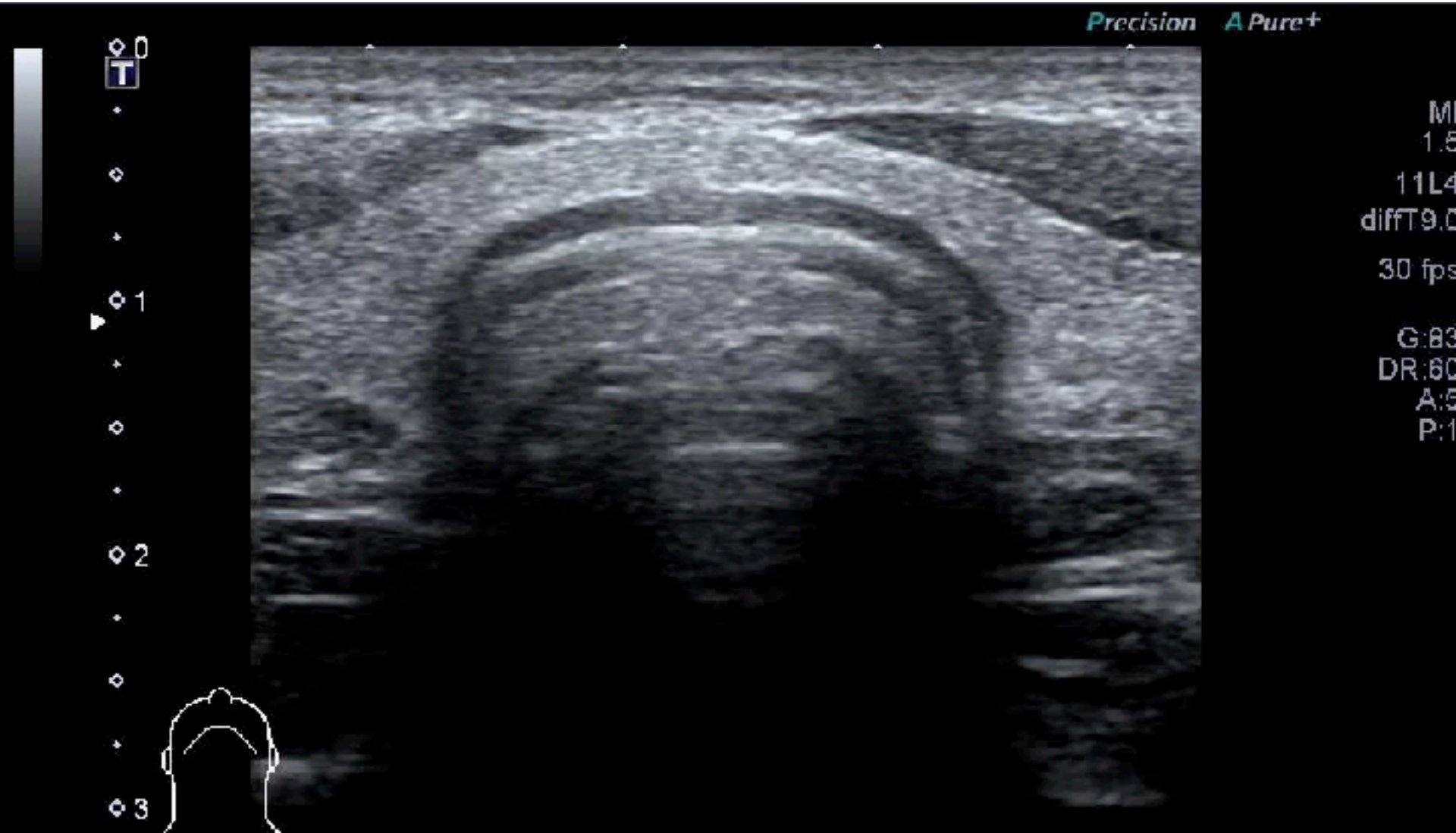
ULTRASOUND PROGRAM

Action



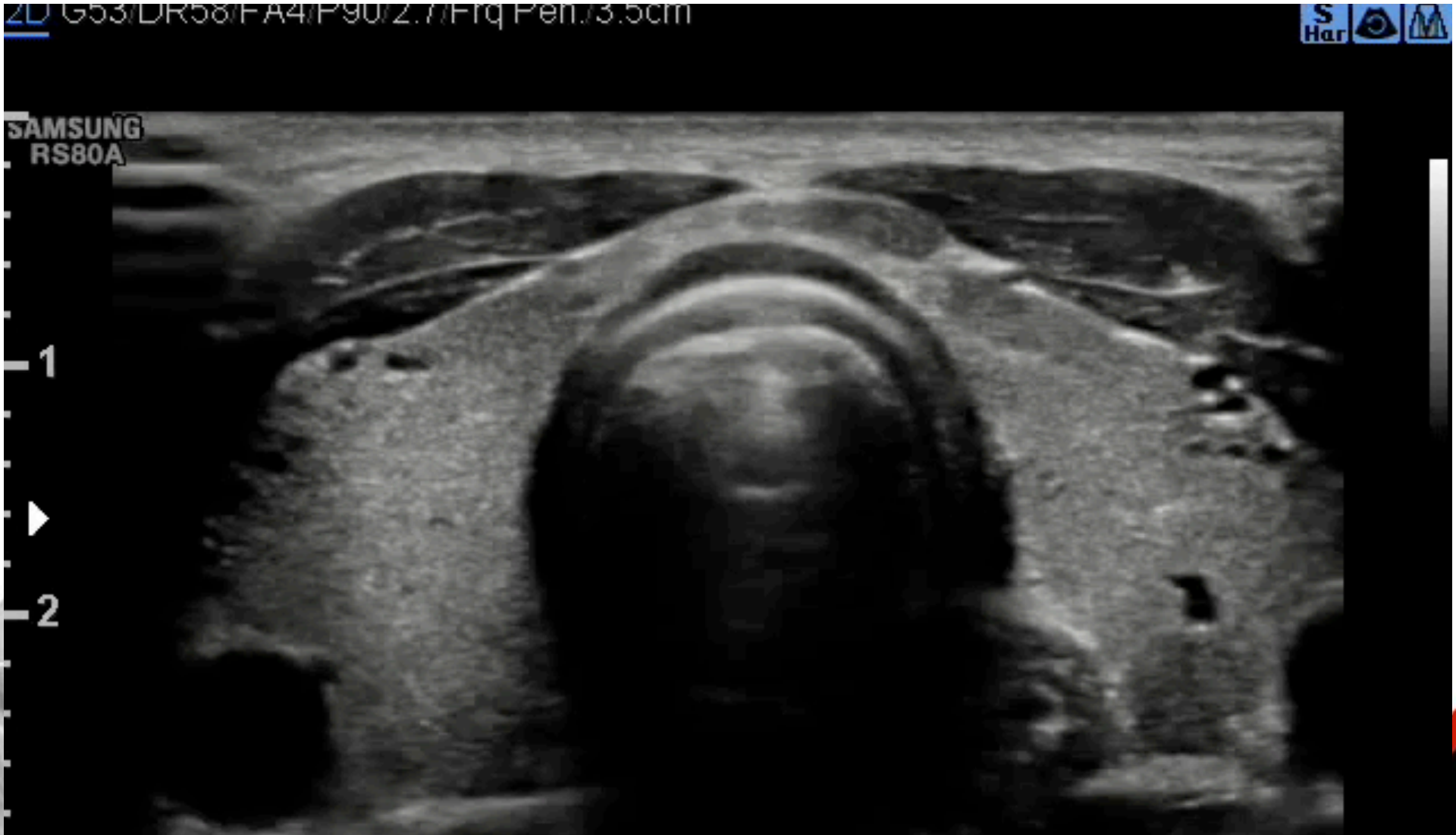
ULTRASOUND
PROGRAM

The largest cartilage



ULTRASOUND
PROGRAM

Name the cartilage

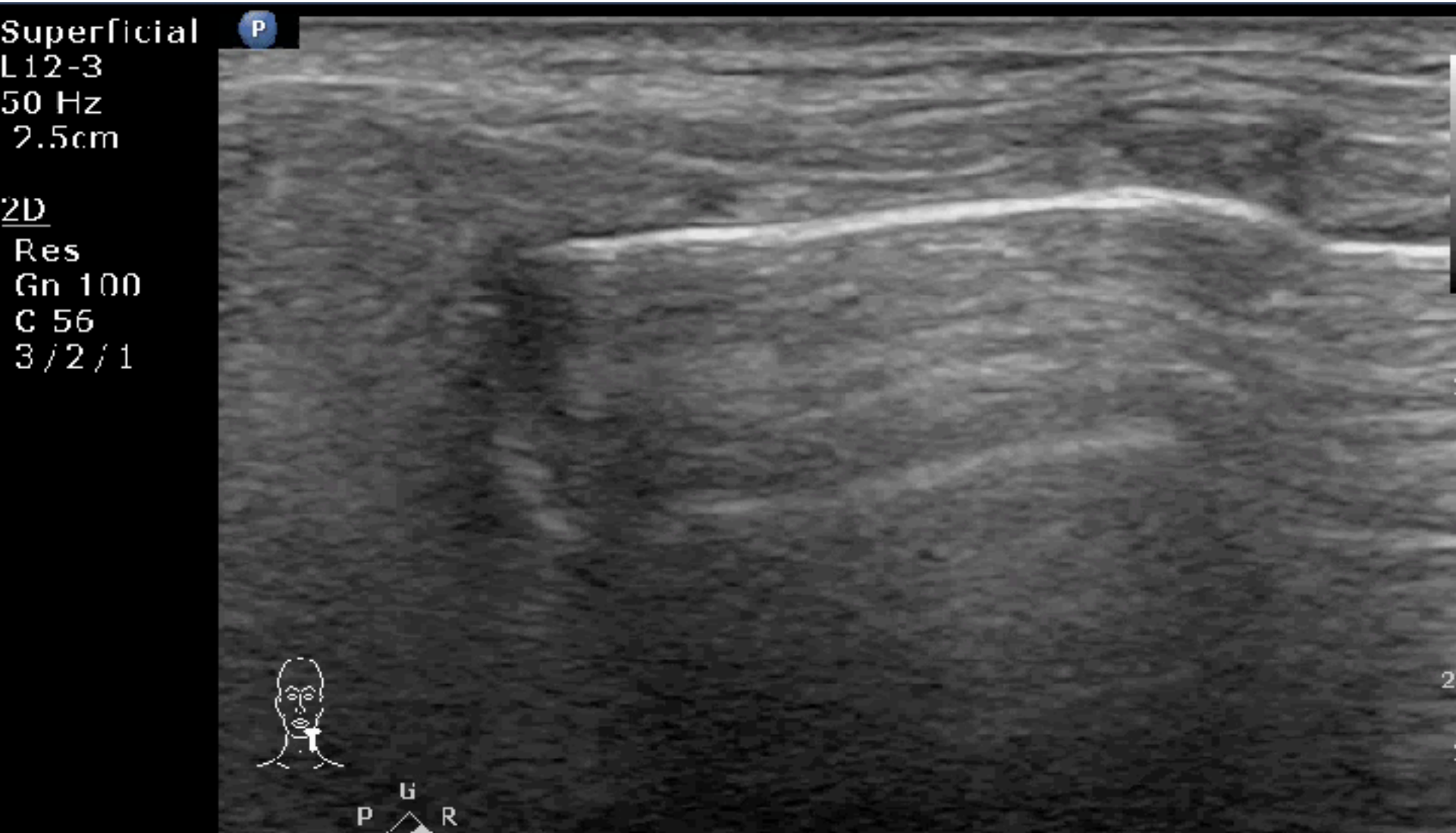


ULTRASOUND
PROGRAM

Name the membrane

ULTRASOUND
PROGRAM

Cartilage numbers ?

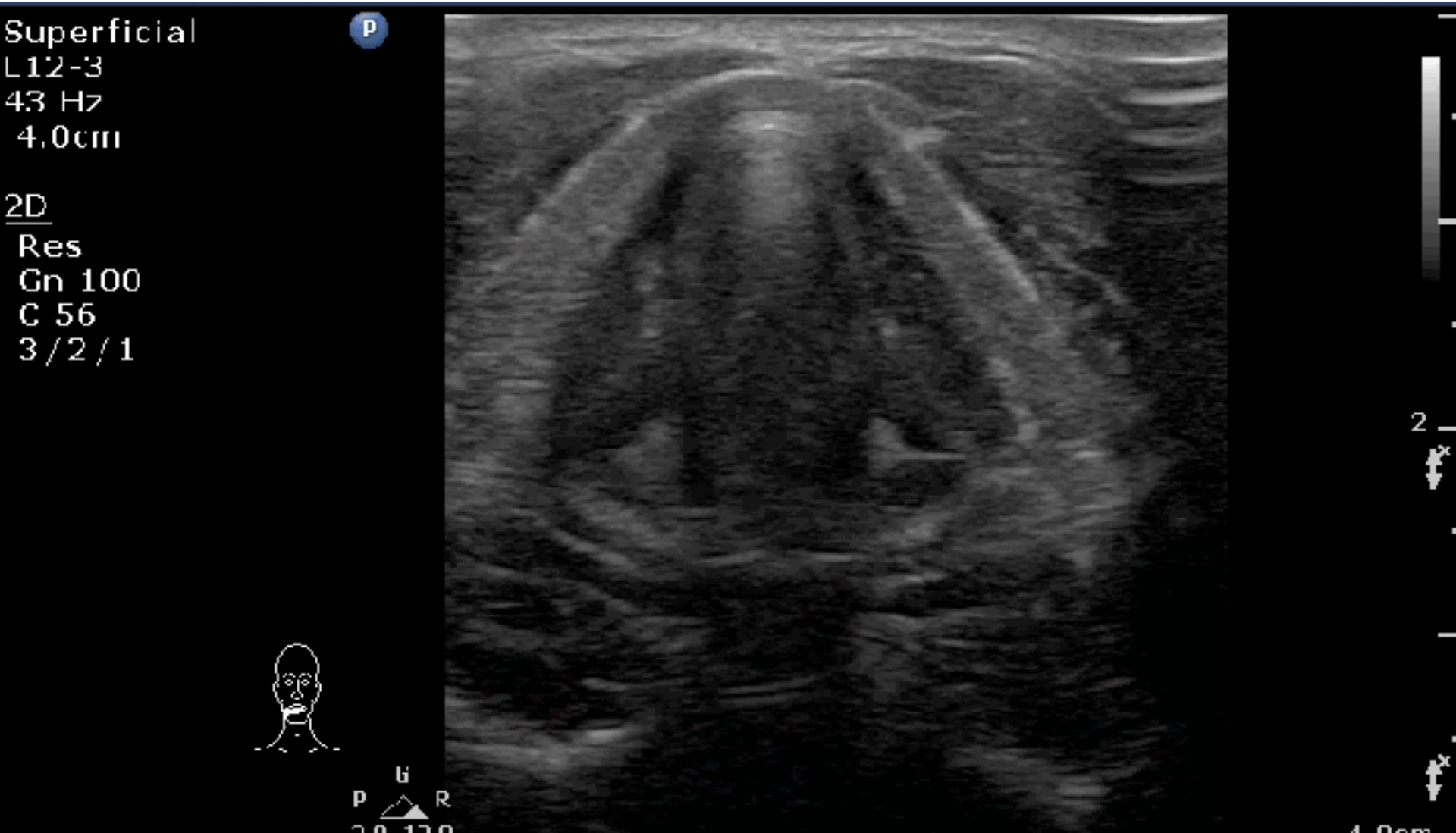


ULTRASOUND
PROGRAM

Moving structure ?

ULTRASOUND
PROGRAM

Phonation

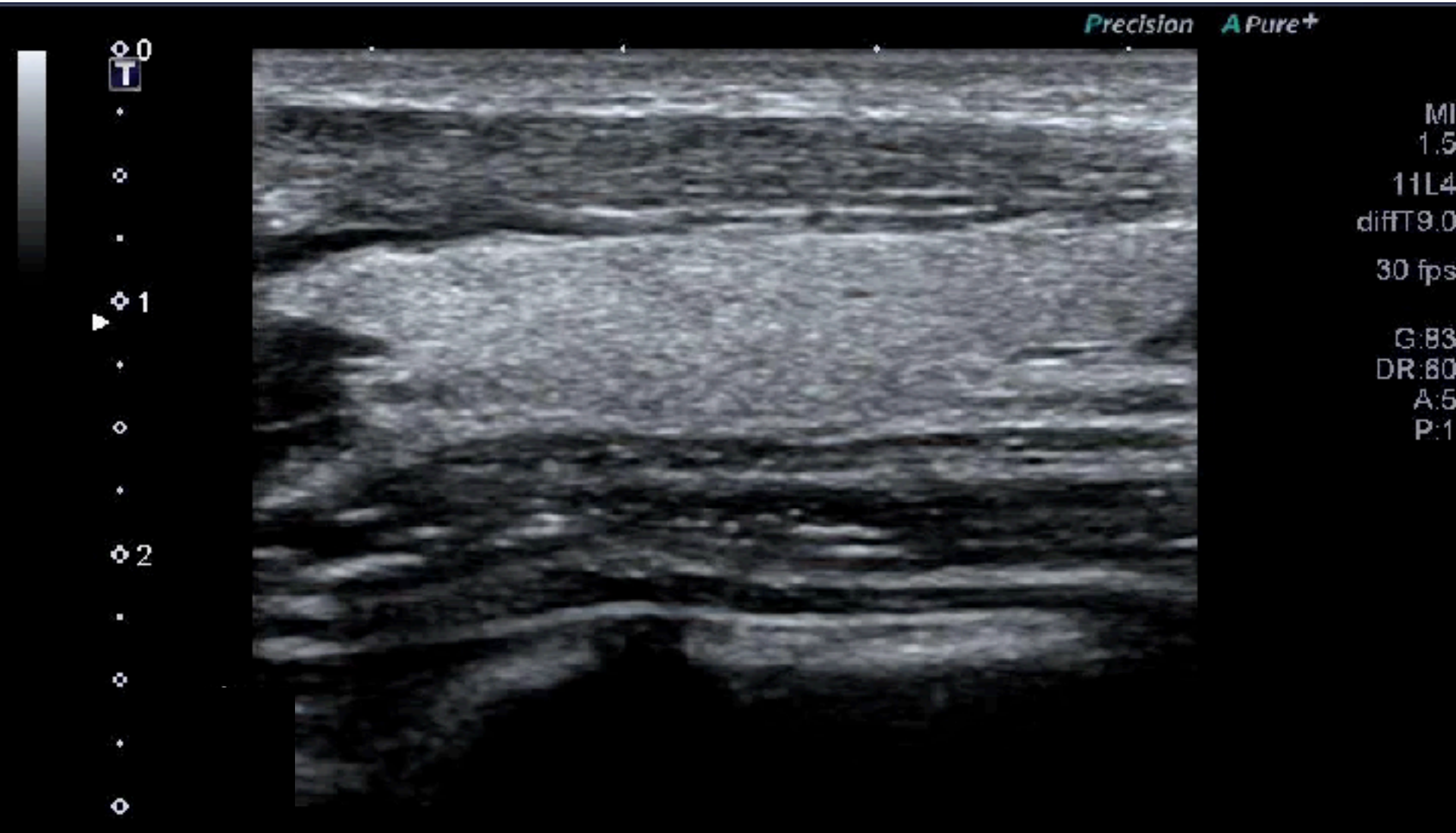


ULTRASOUND
PROGRAM

Indicate esophagus

ULTRASOUND
PROGRAM

Name of GI structure



Match !!

1

2

3

4

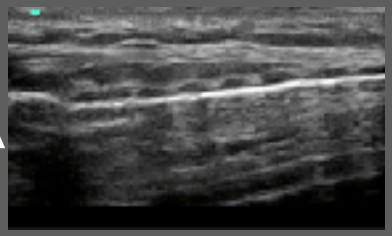
5

6

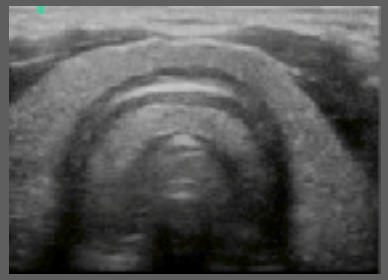
7

8

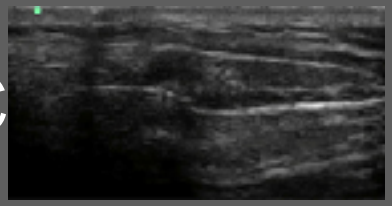
A



B

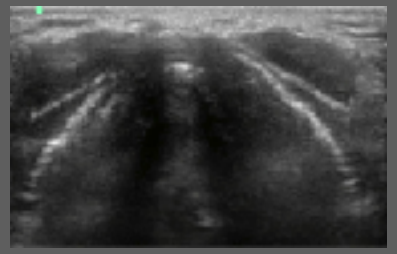


C

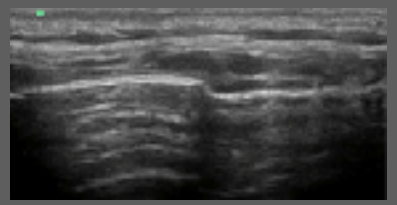


D

E



F



G

H

How good you are ?

1

2

3

4

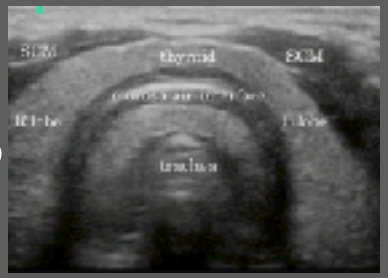
5

6

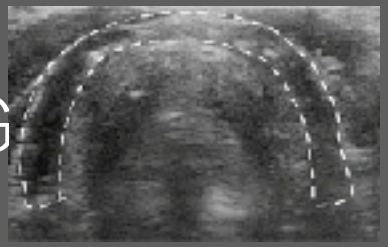
7

8

B

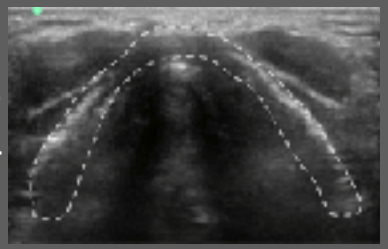


G

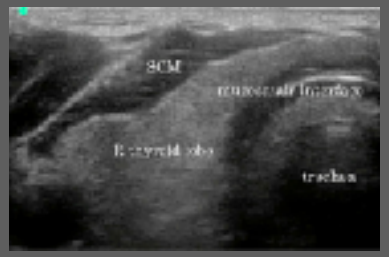


D

E



H



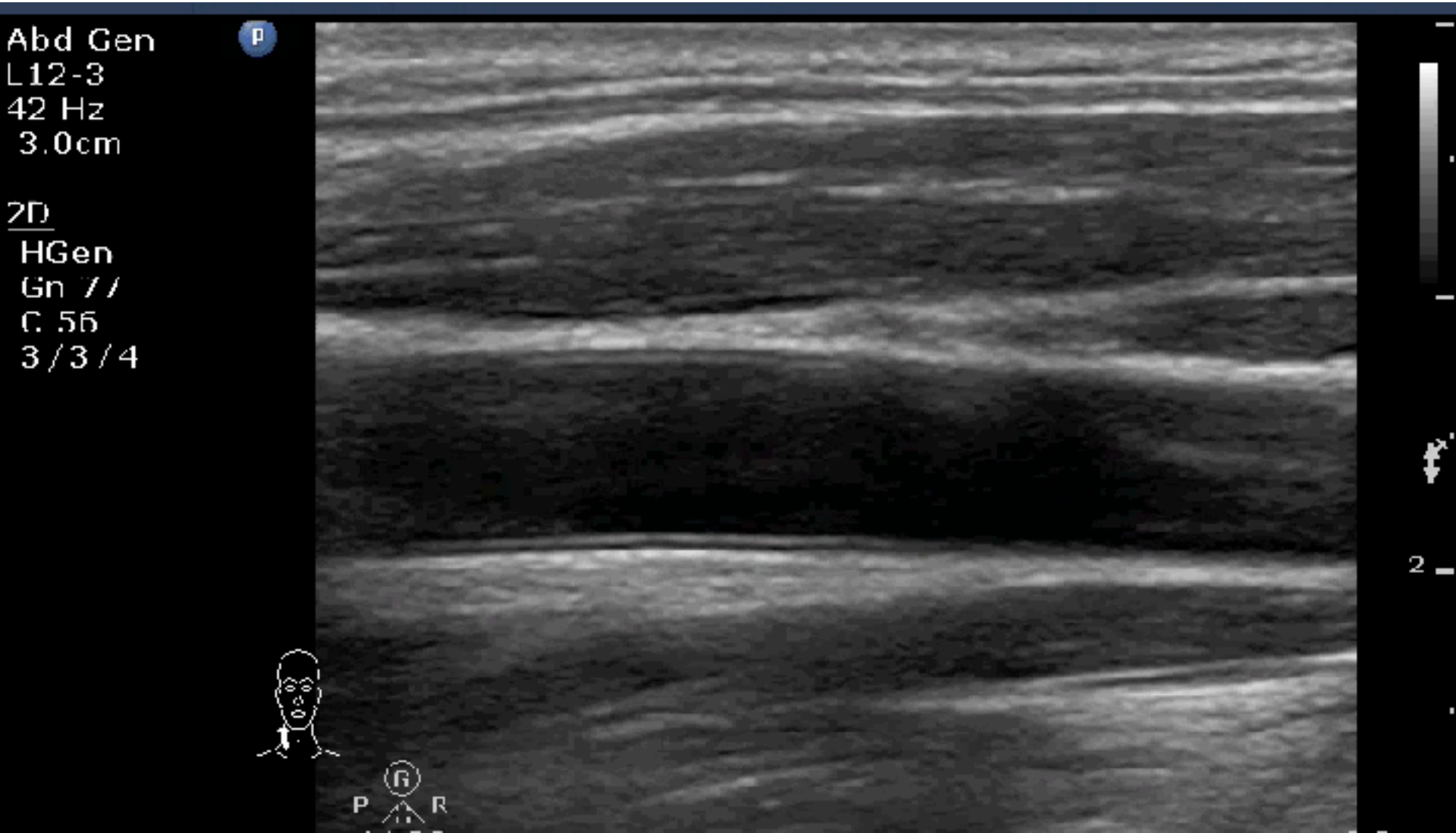
A

F

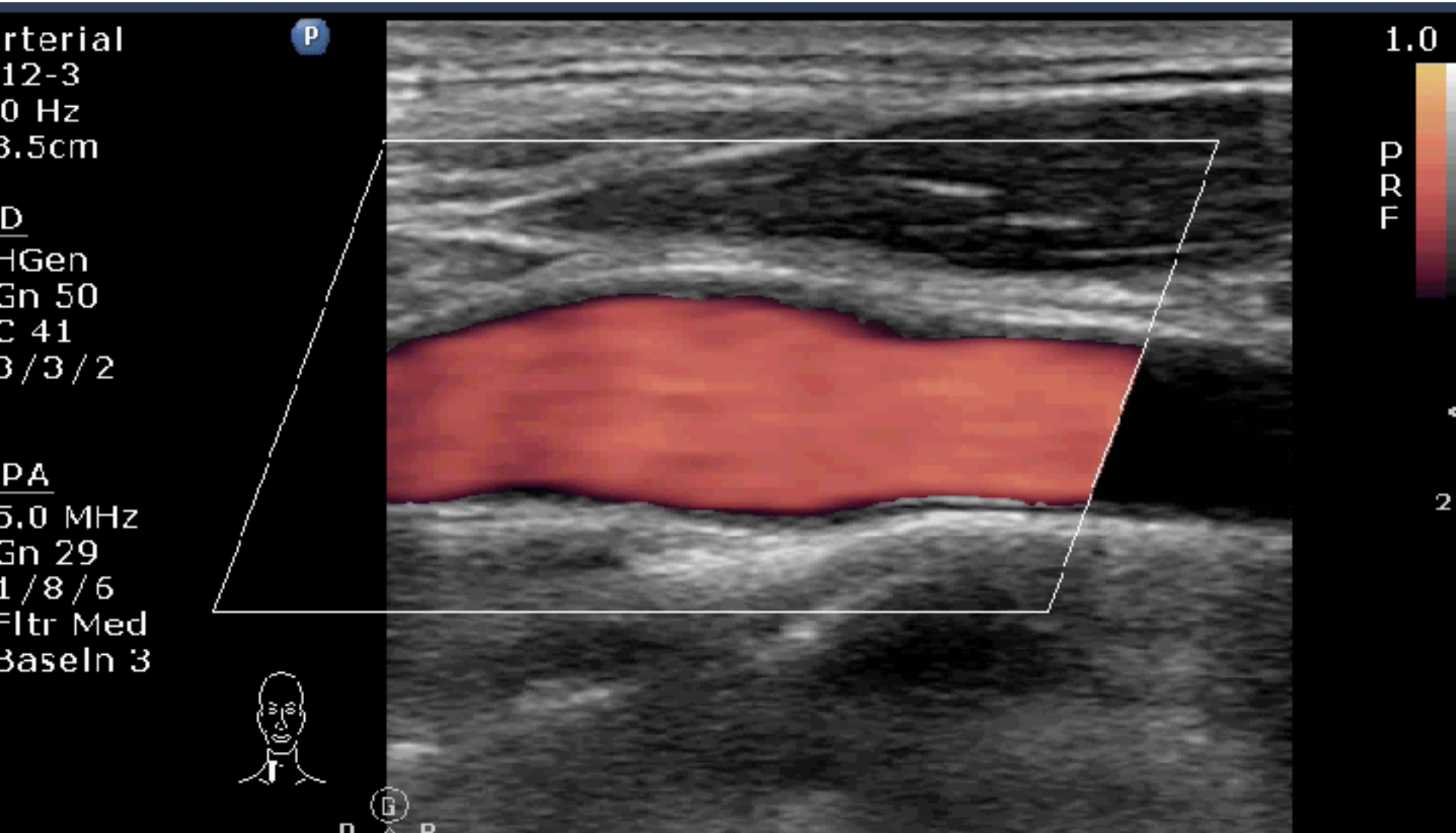
C

ULTRASOUND
PROGRAM

Common carotid a.



Carotid sinus massage

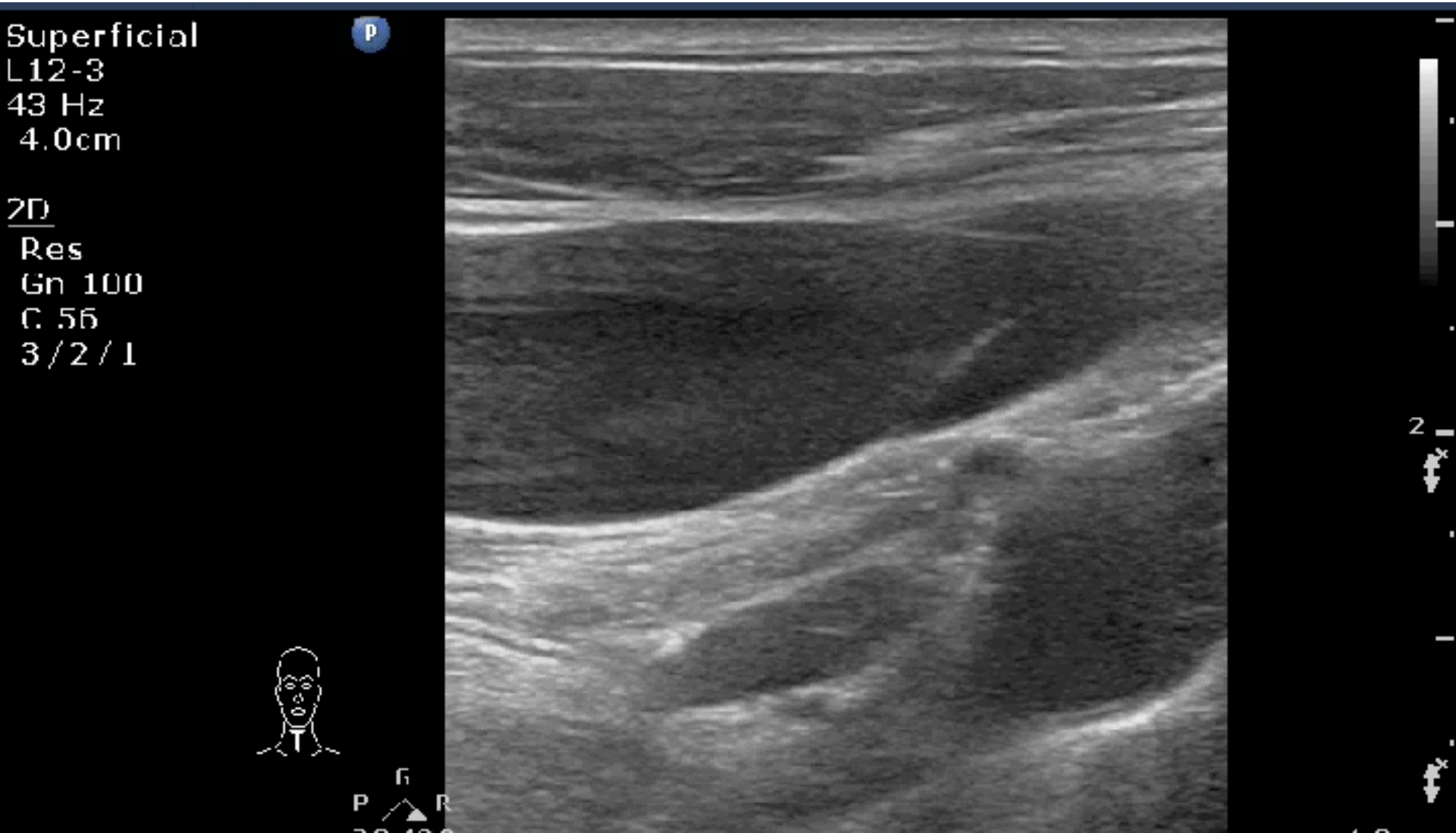


ULTRASOUND
PROGRAM

Internal jugular v.

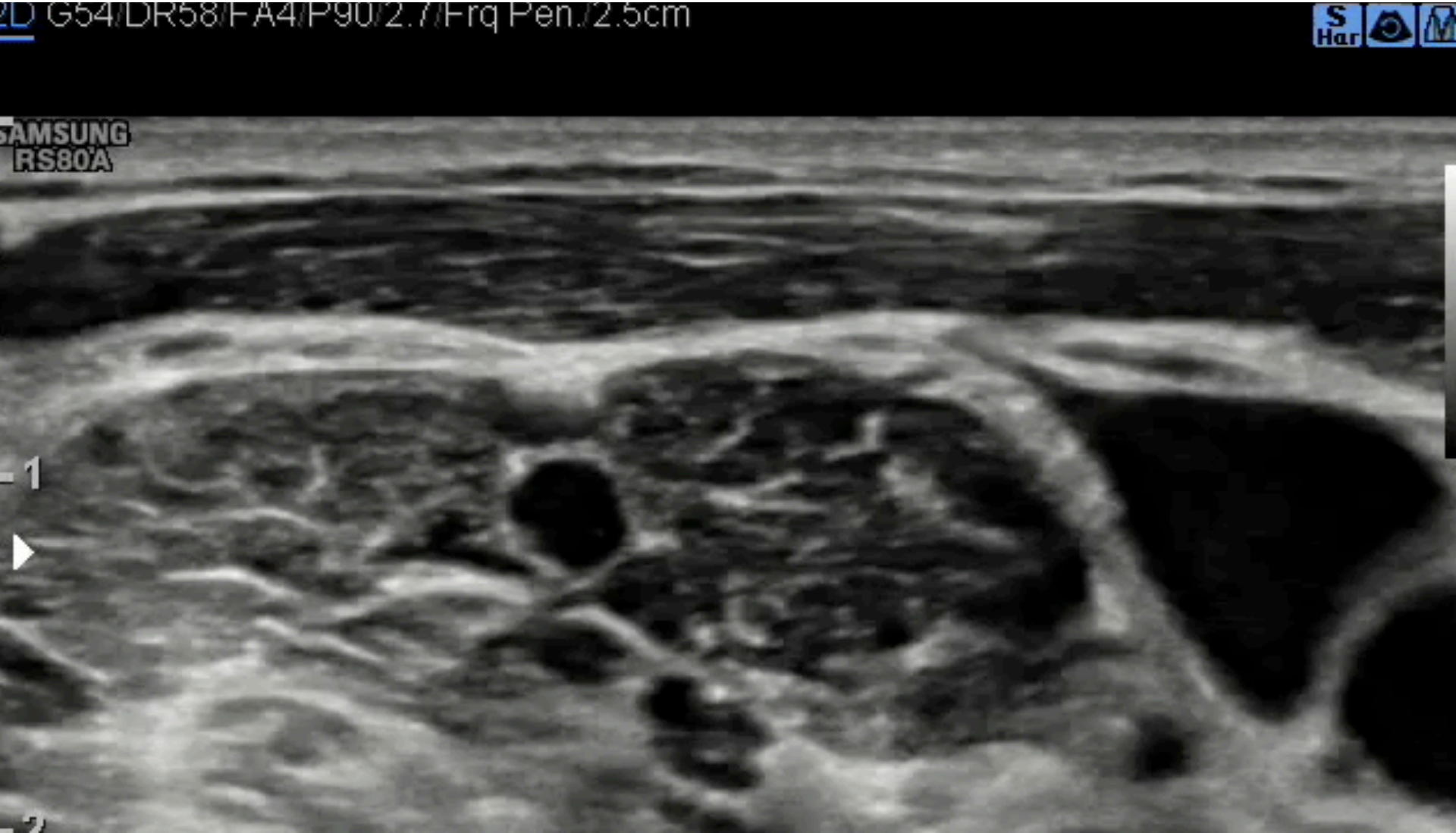
ULTRASOUND
PROGRAM

Valsalva maneuver



ULTRASOUND PROGRAM

Interscalene B.P.

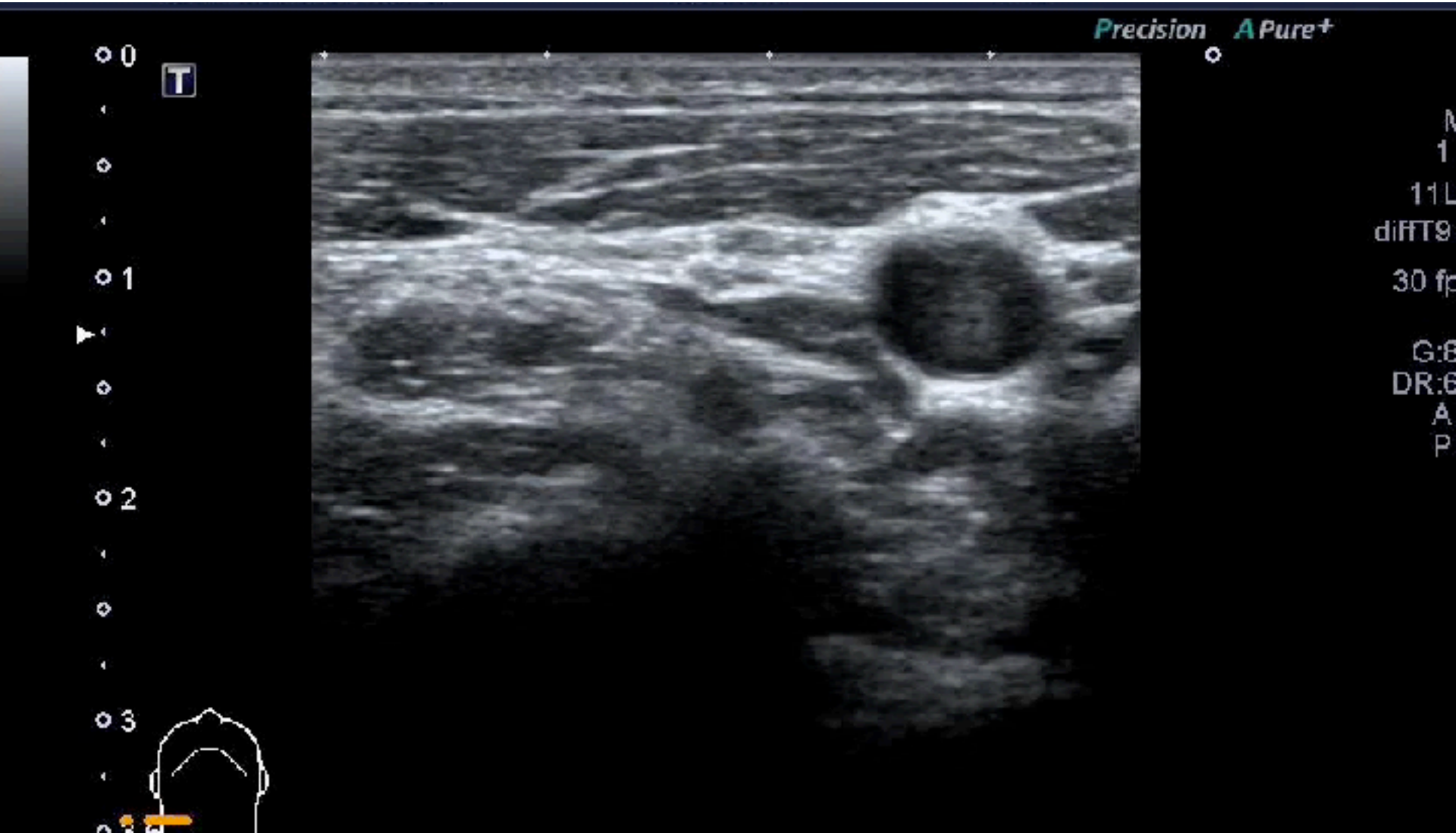


ULTRASOUND
PROGRAM

Omohyoid muscle

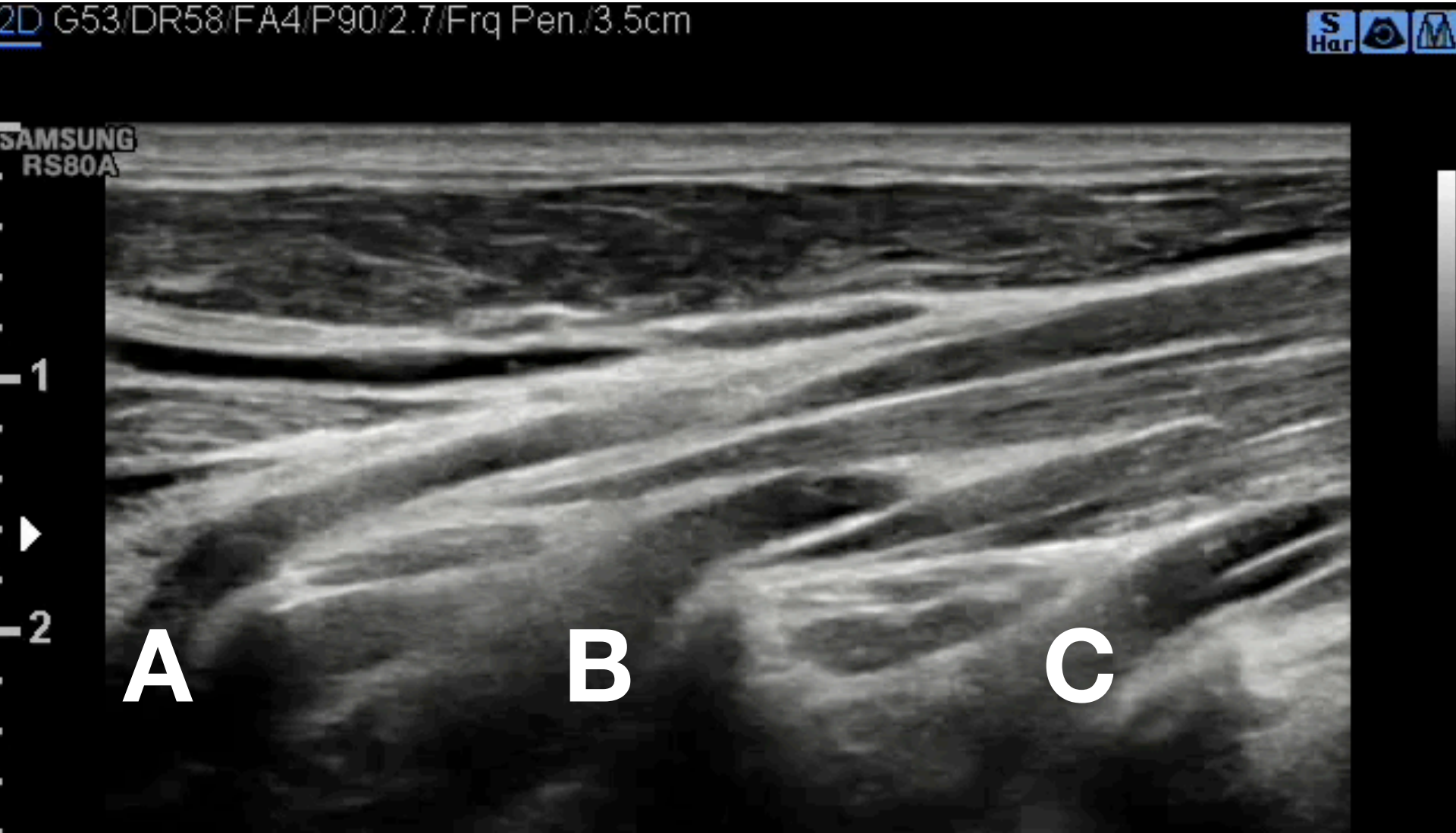
ULTRASOUND
PROGRAM

No. of cervical roots



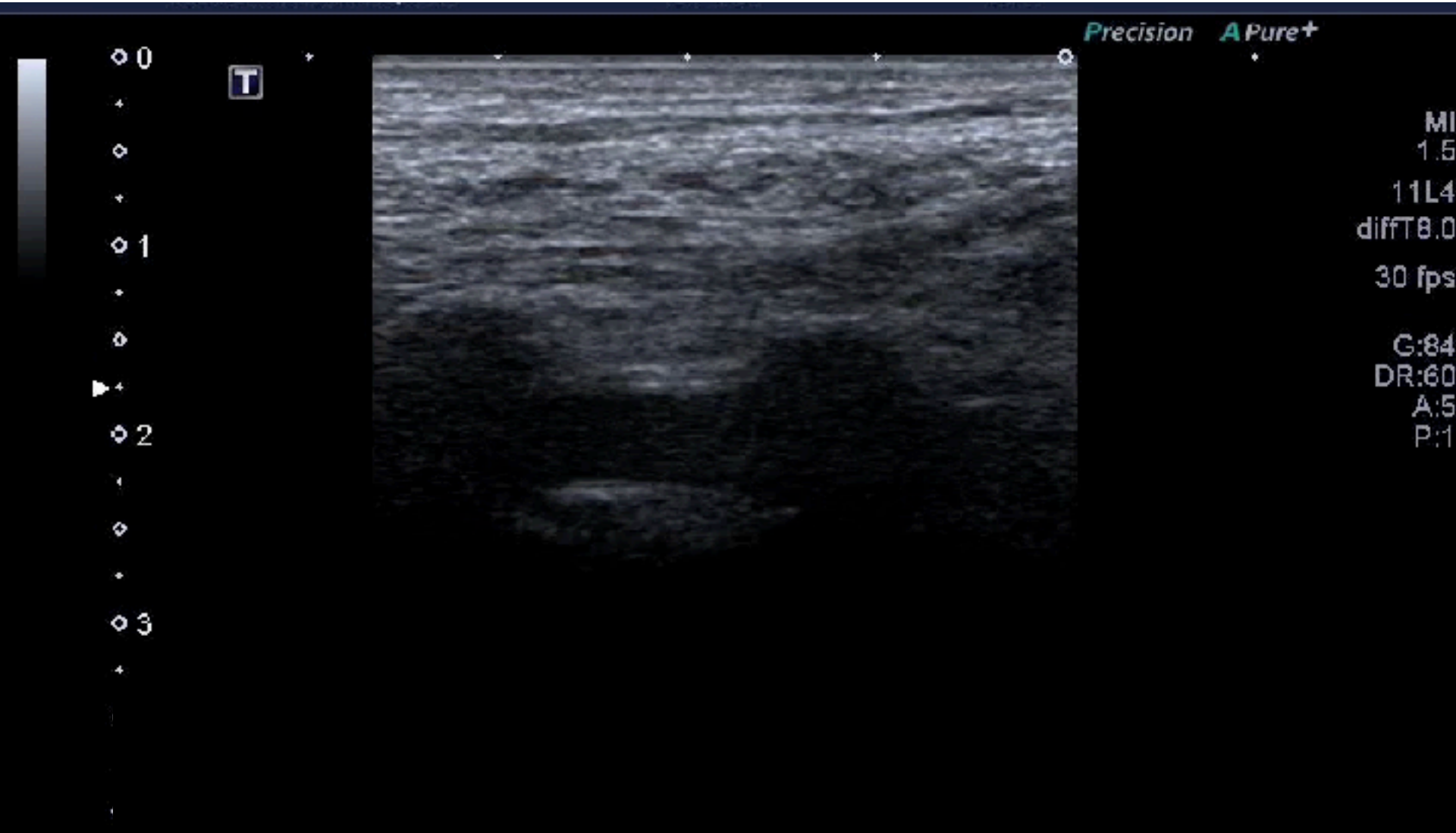
ULTRASOUND
PROGRAM

Structure of the letters



ULTRASOUND PROGRAM

Name the vessel

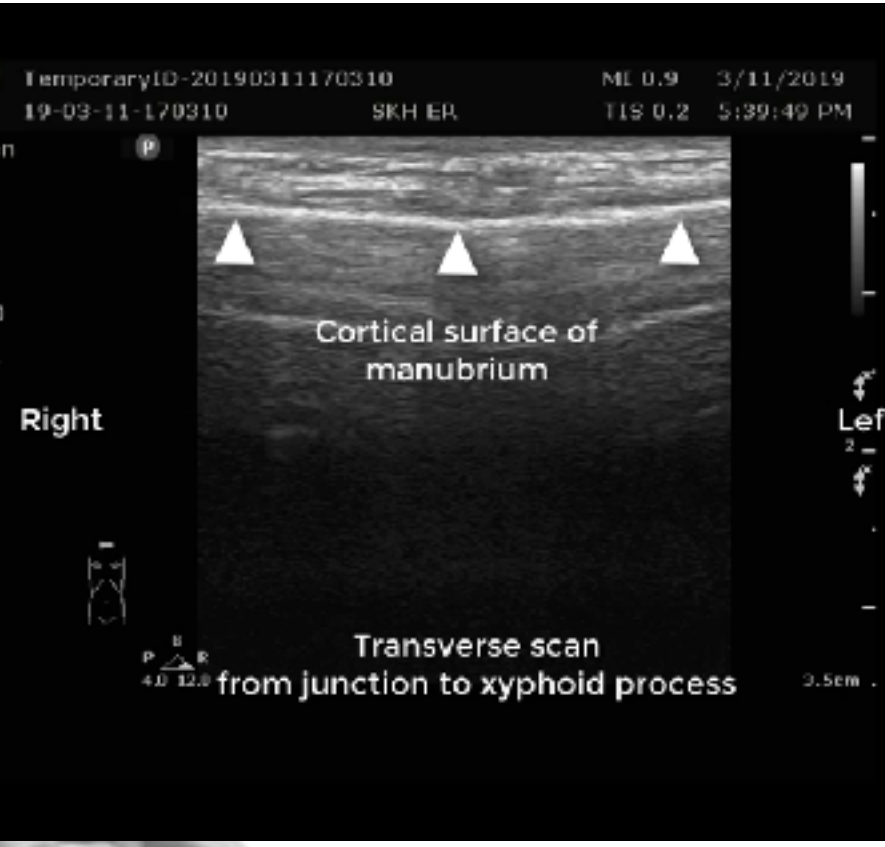


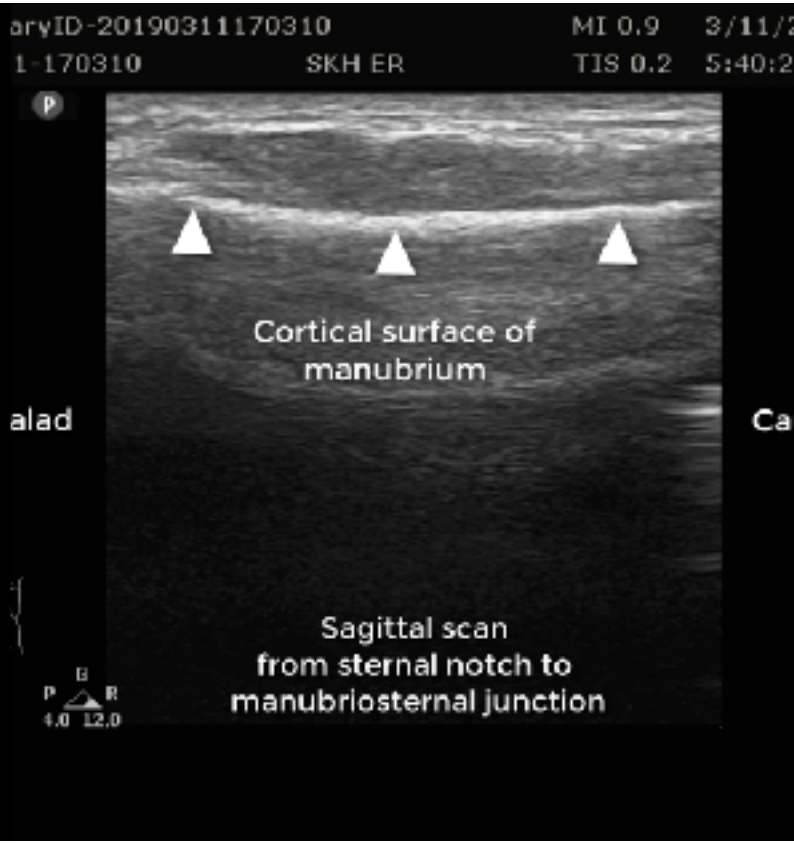
ULTRASOUND
PROGRAM

Name of the structure

ULTRASOUND PROGRAM

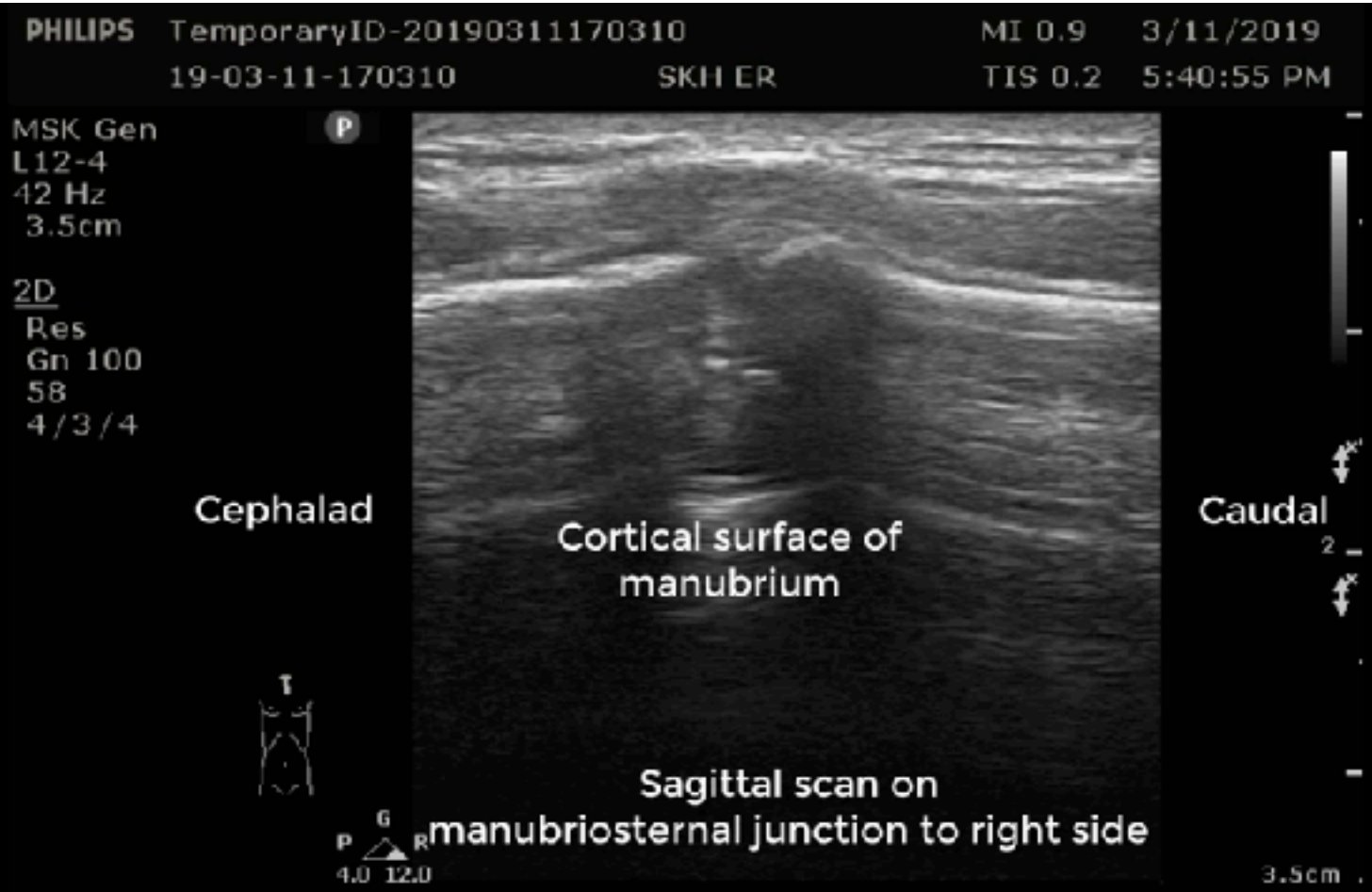
Sternum





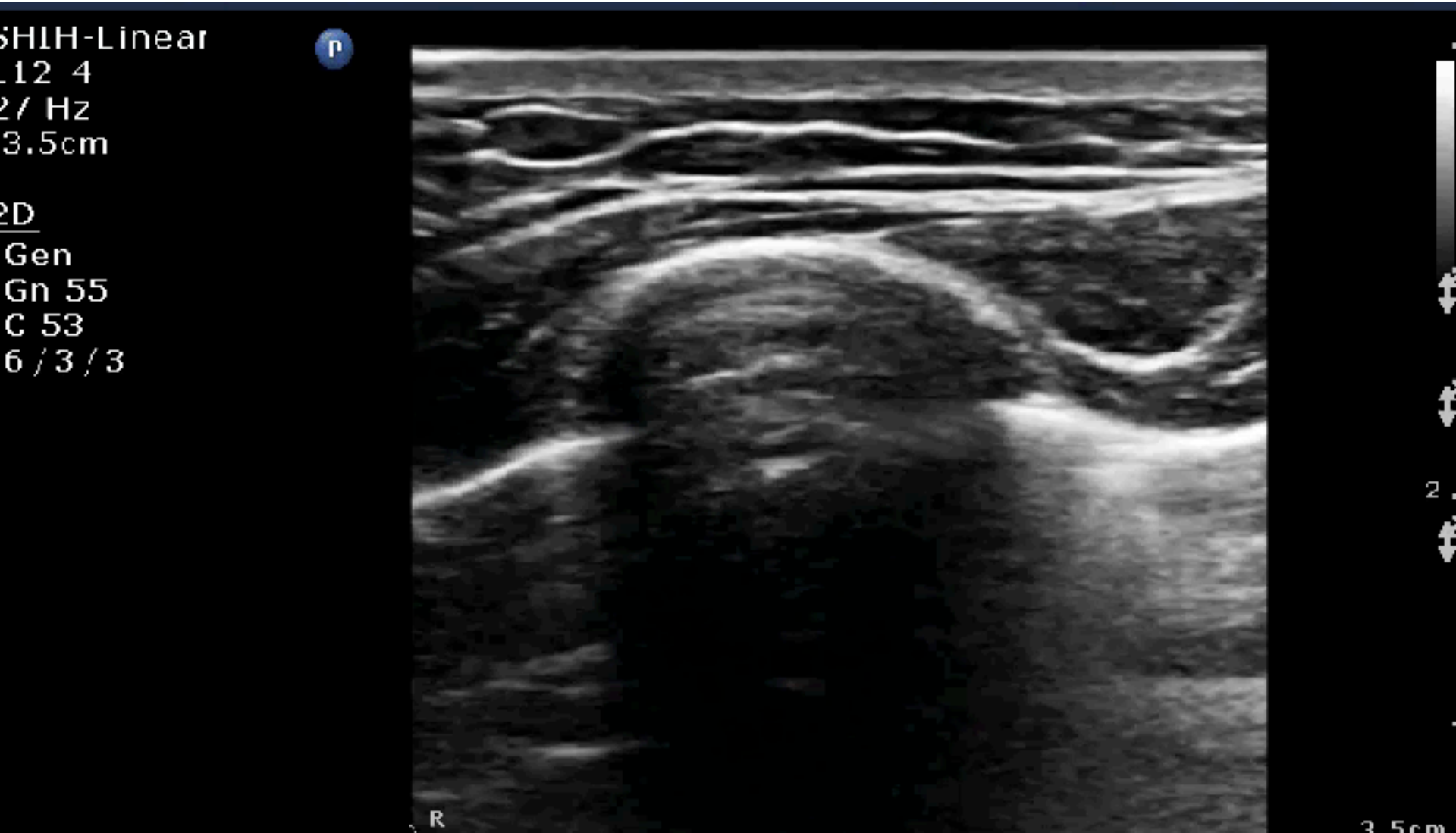
ULTRASOUND PROGRAM

Cartilage



ULTRASOUND
PROGRAM

Structure with AS

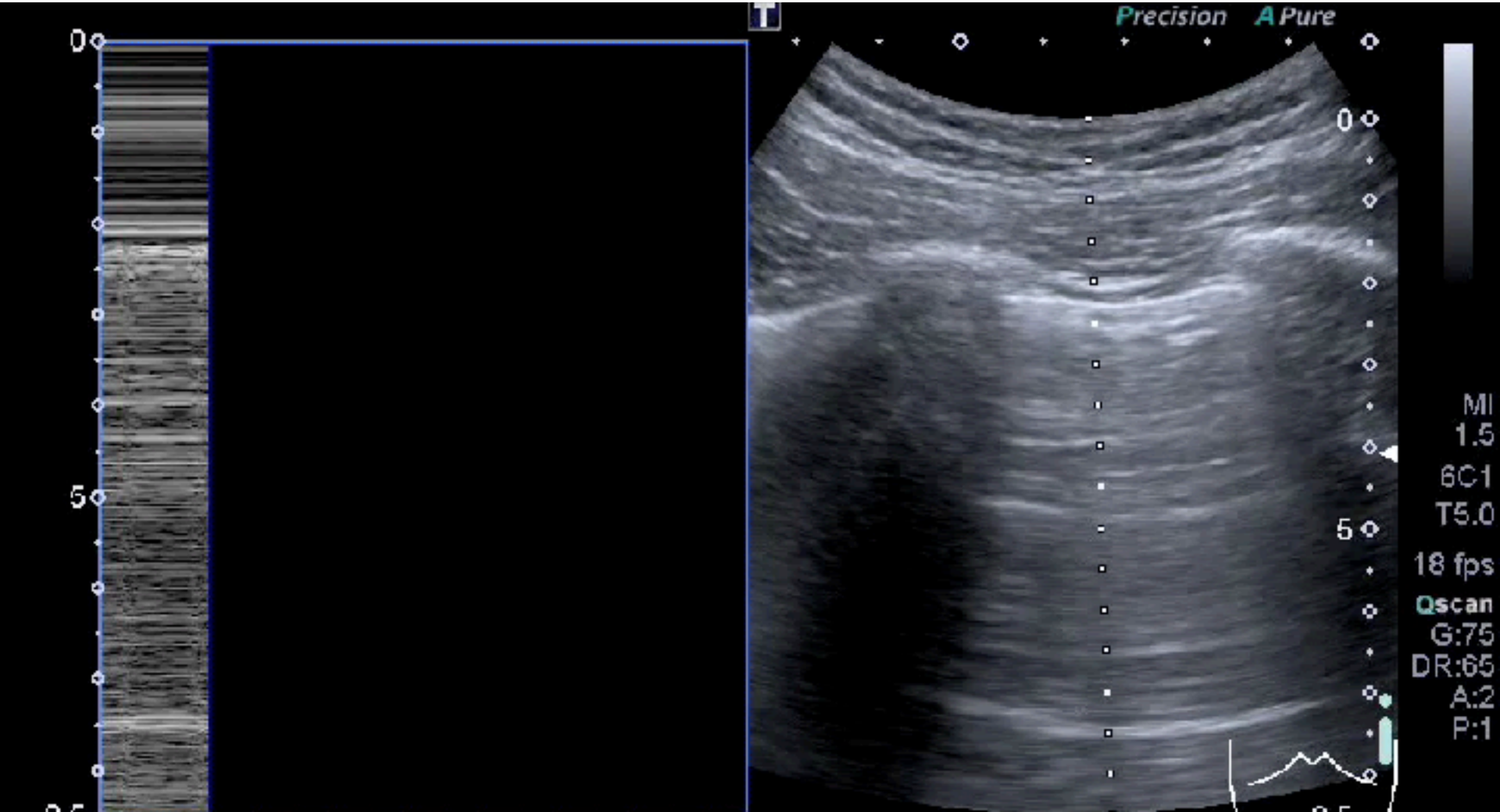


ULTRASOUND PROGRAM

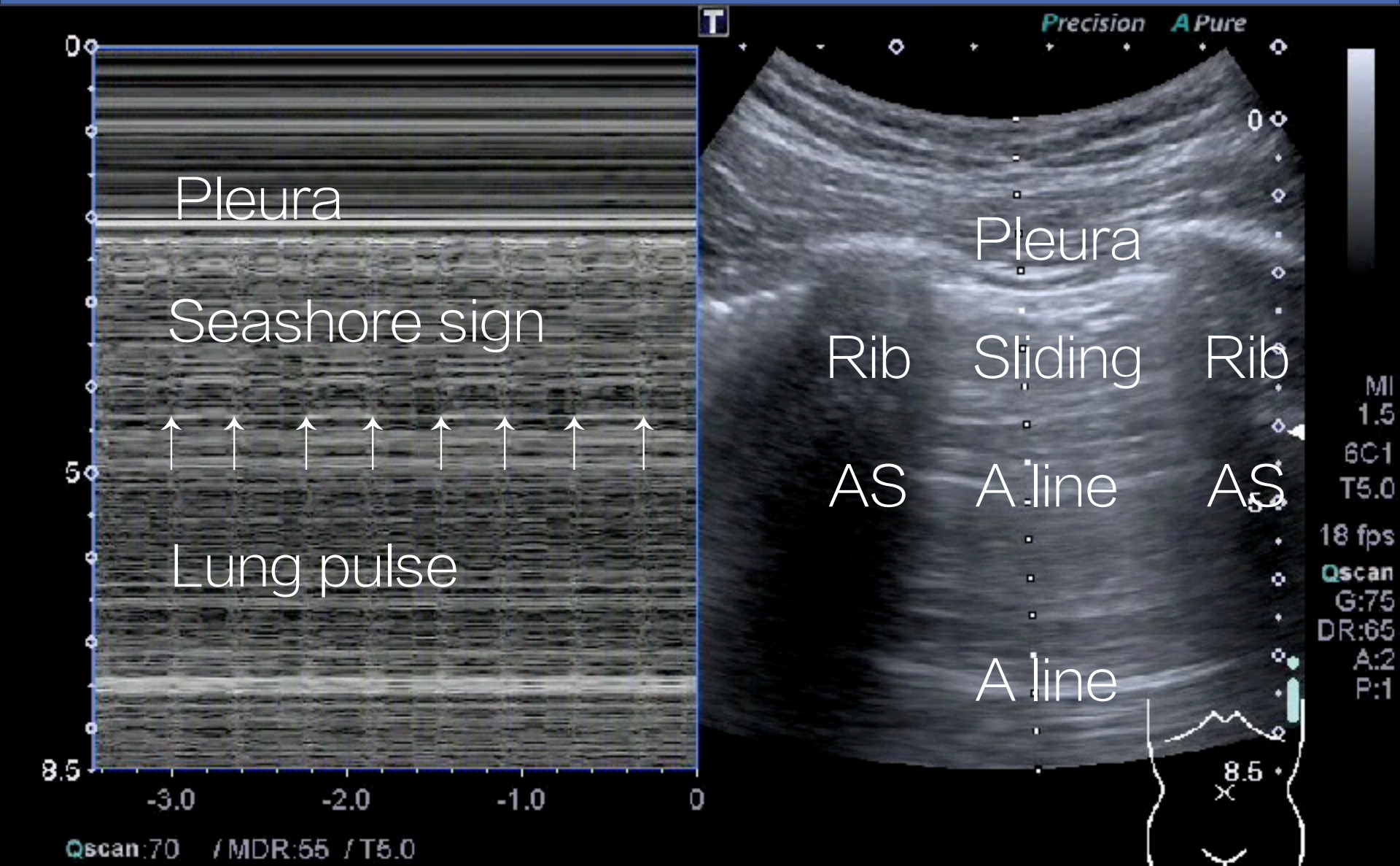
Name the structure

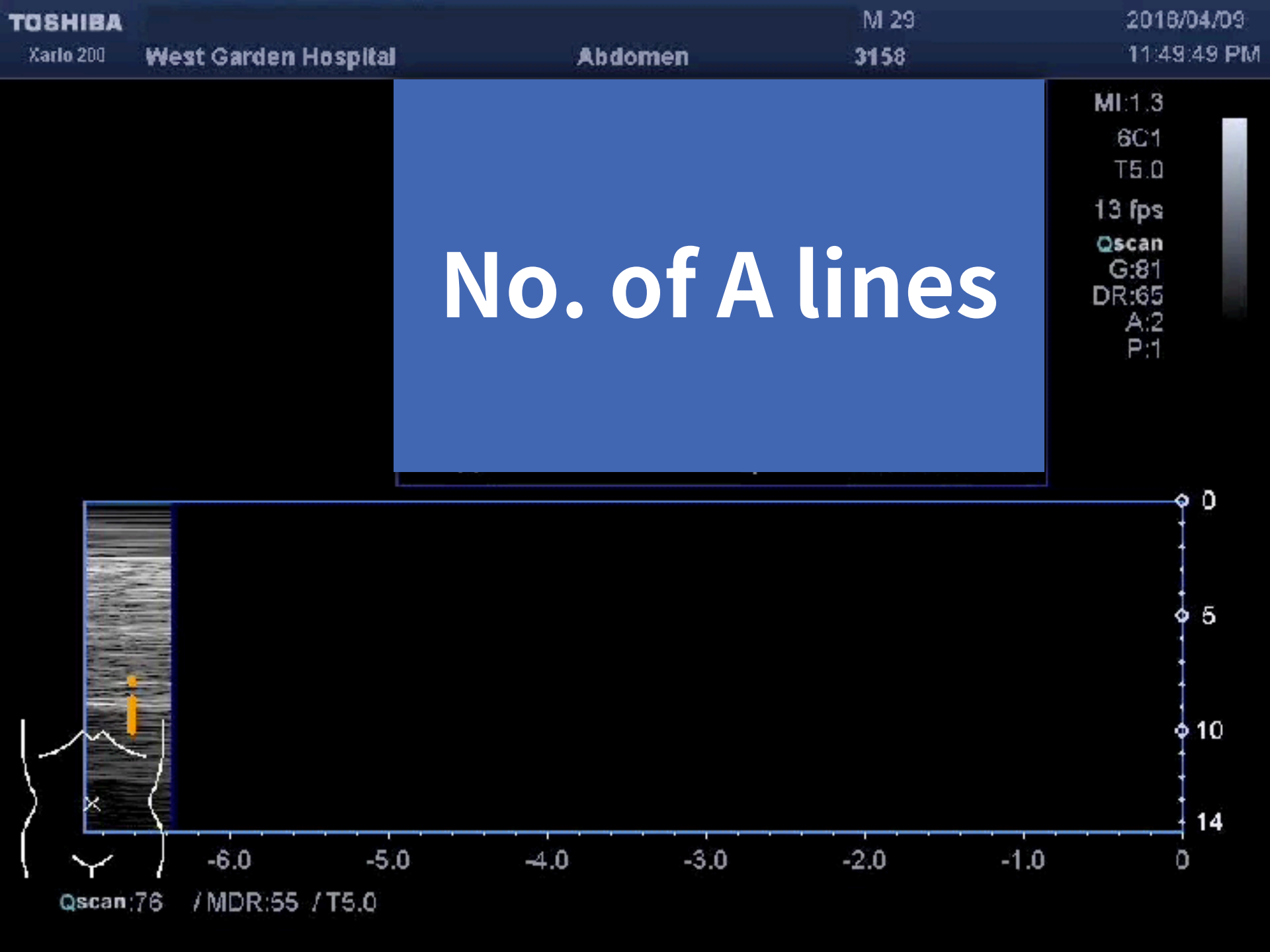
ULTRASOUND
PROGRAM

Read & Name all signs

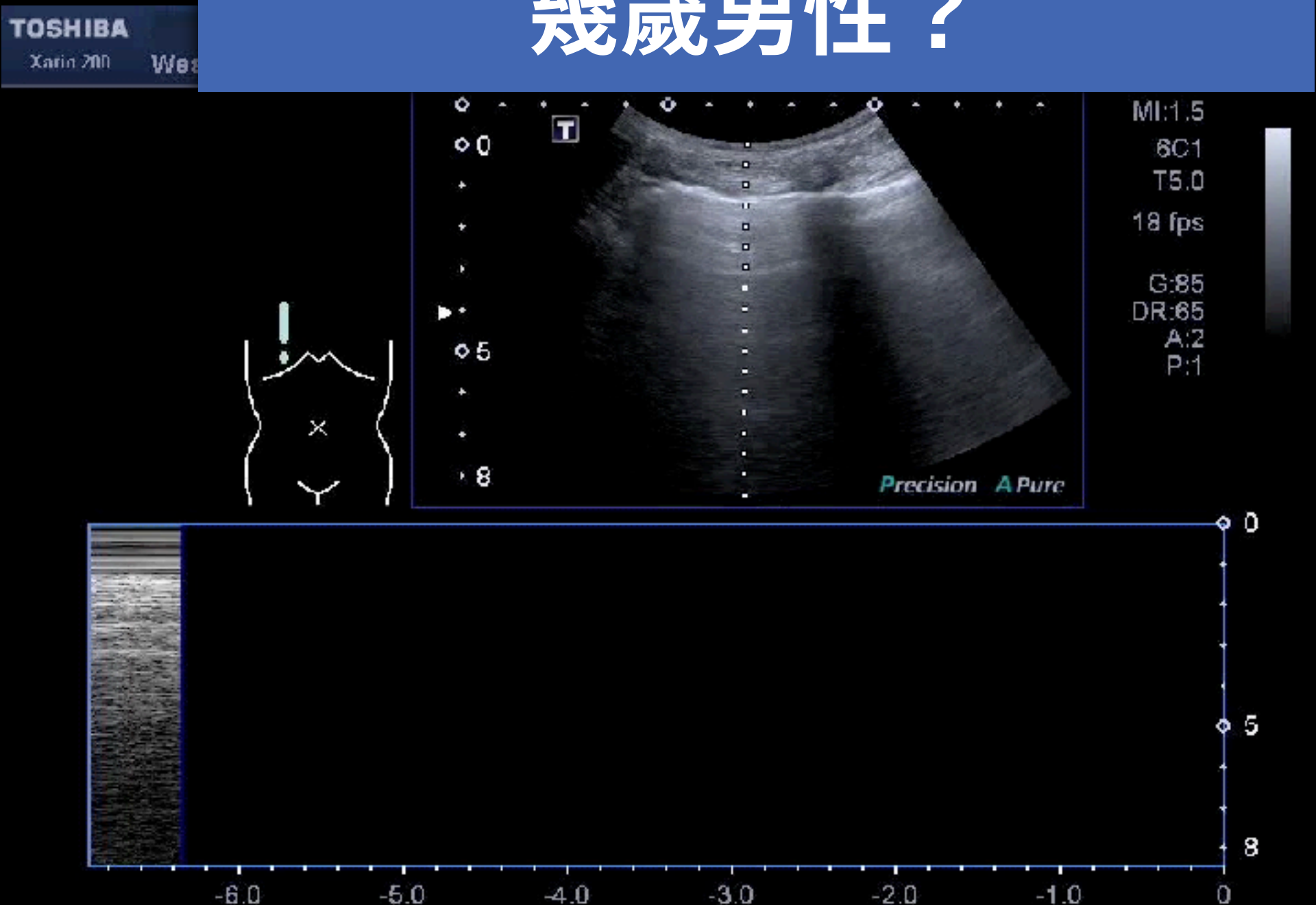


Normal Lung

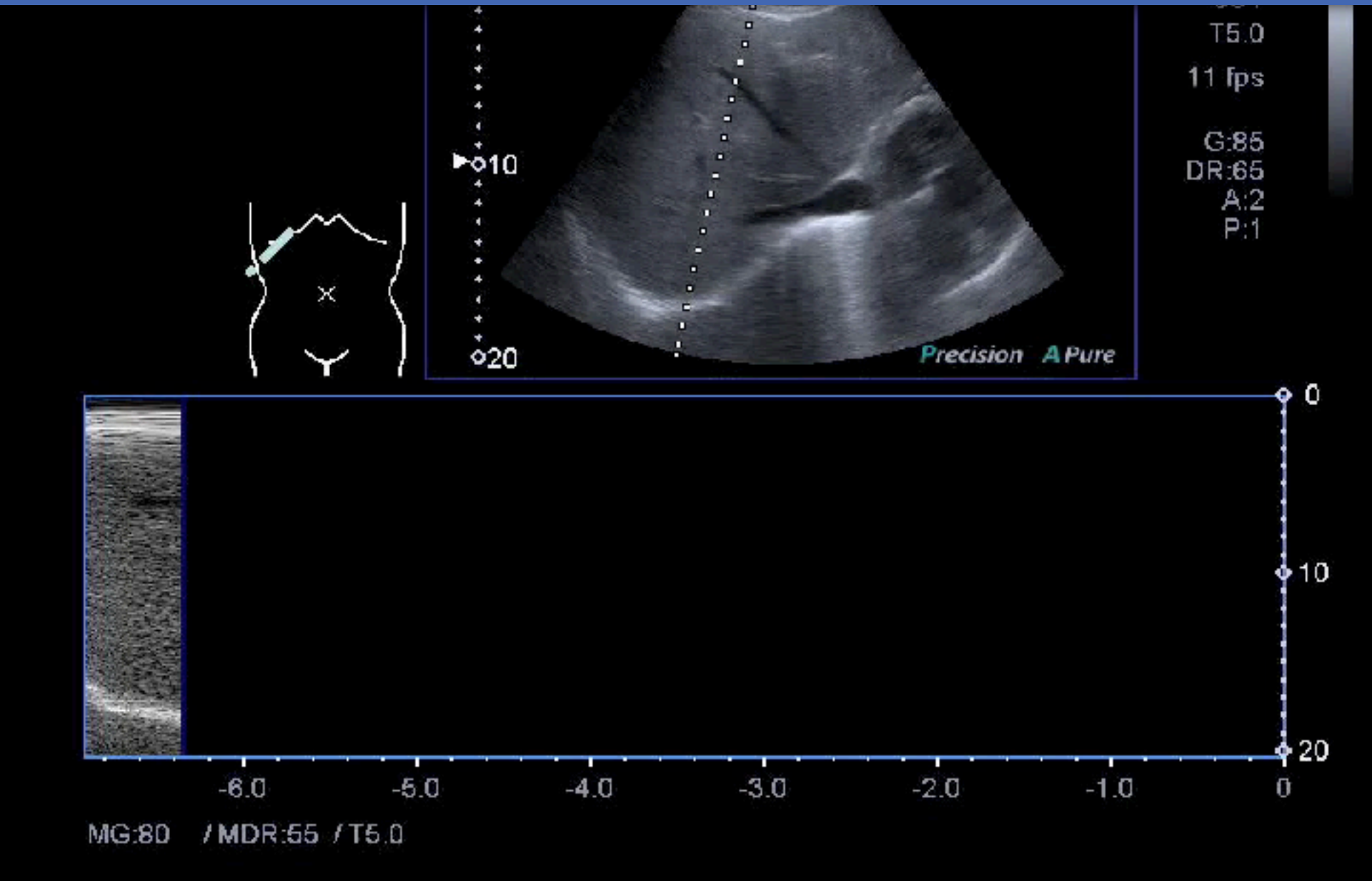

Pleura
Seashore sign
Lung pulse
0
5
8.5
-3.0
-2.0
-1.0
0
Qscan:70 / MDR:55 / T5.0
Precision
A Pure
Pleura
Rib
Sliding
Rib
AS
A line
AS
A line
8.5
MI
1.5
6C1
T5.0
18 fps
Qscan
G:75
DR:65
A:2
P:1


TOSHIBA
Xario 200
West Garden Hospital
M 29
Abdomen
3158
2018/04/09
11:49:49 PM
MI:1.3
6C1
T5.0
13 fps
Qscan
G:81
DR:65
A:2
P:1
No. of A lines
0
5
10
14
-6.0
-5.0
-4.0
-3.0
-2.0
-1.0
0
Qscan:76 / MDR:55 / T5.0

幾歳男性？


TOSHIBA
MI:1.5
6C1
T5.0
18 fps
G:85
DR:65
A:2
P:1
Precision A Pure
-6.0
-5.0
-4.0
-3.0
-2.0
-1.0
0

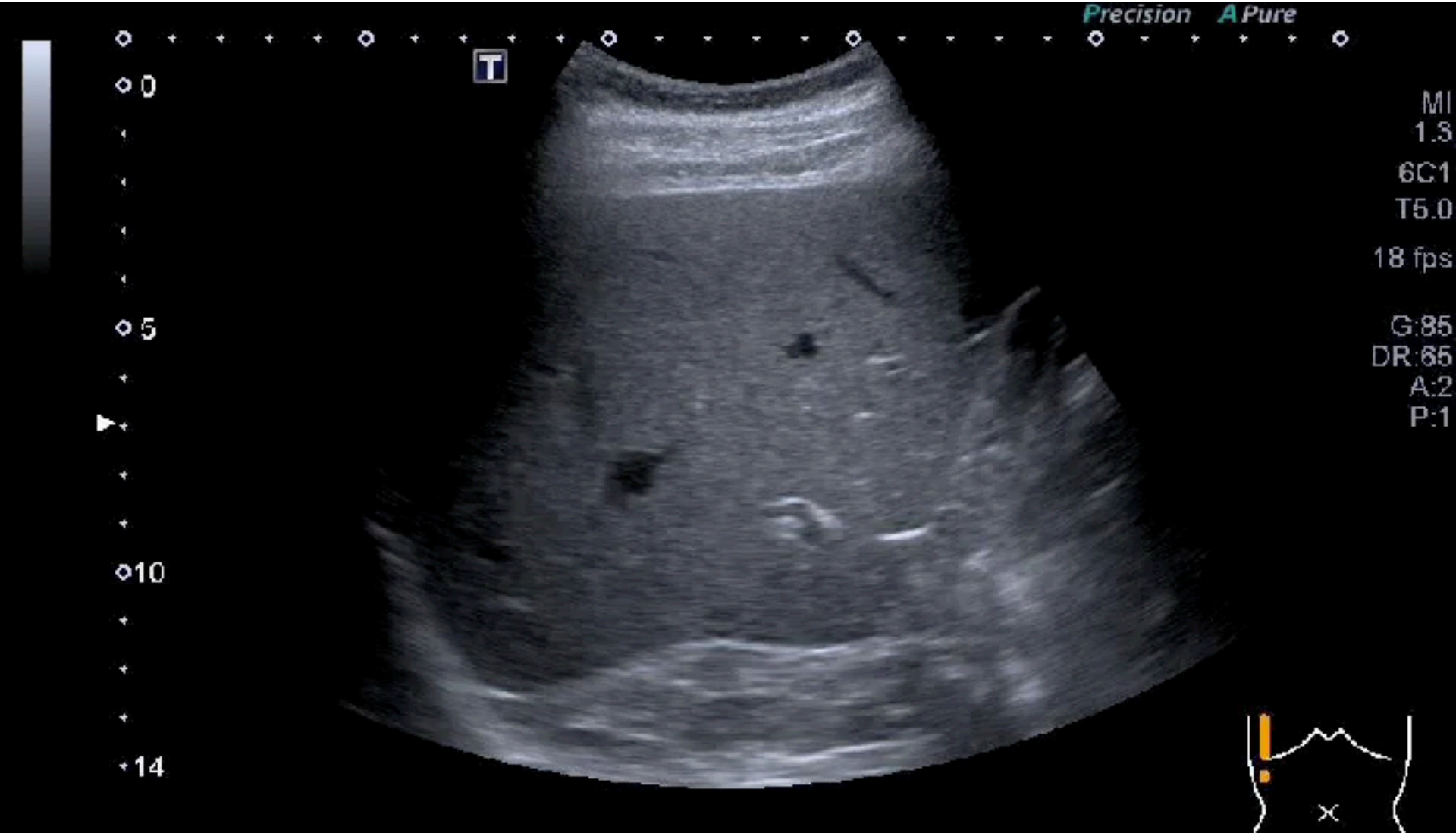
Diaphragm excursion



Diaphragm thickening fraction

ULTRASOUND
PROGRAM

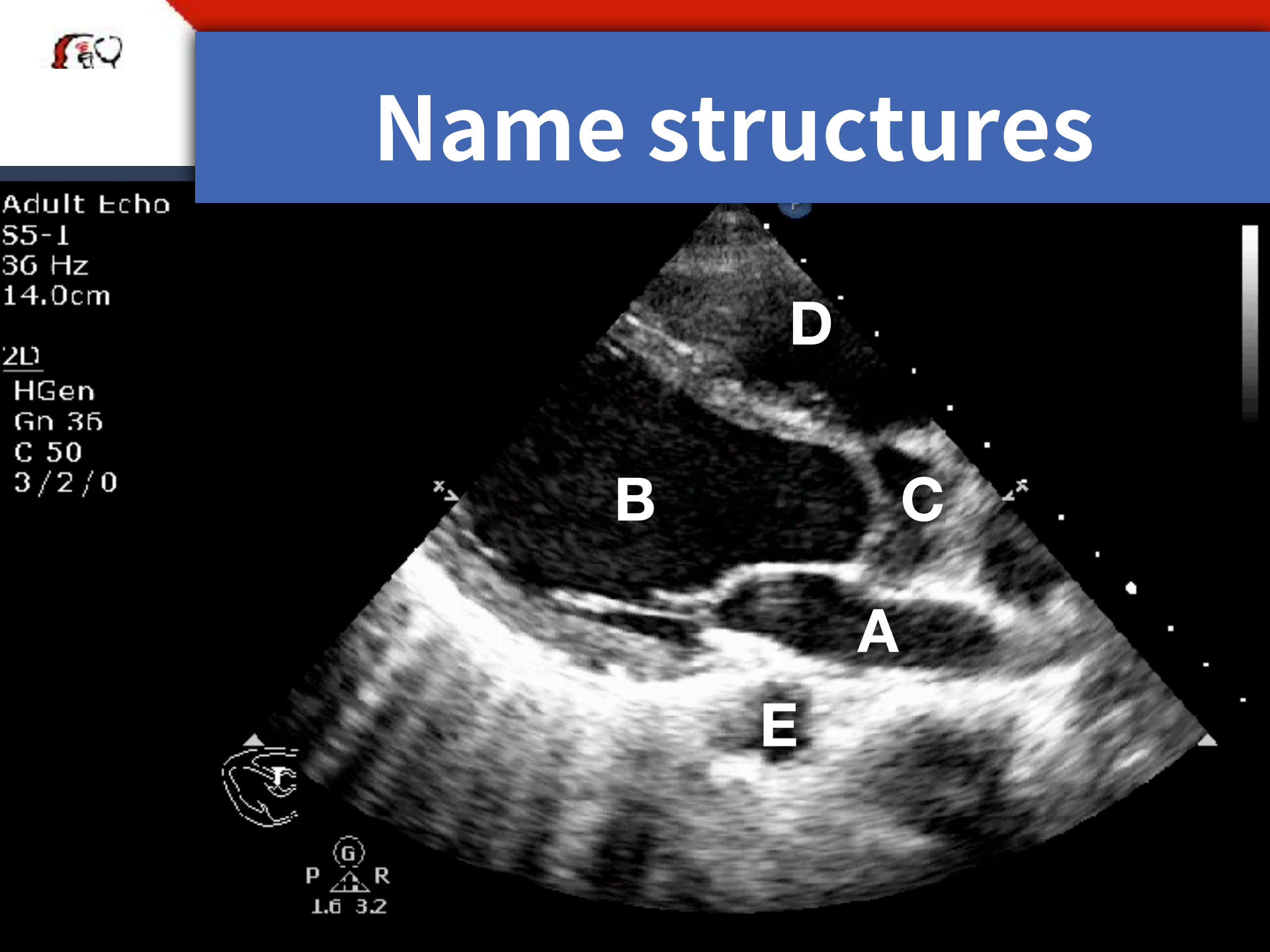
Diaphragm

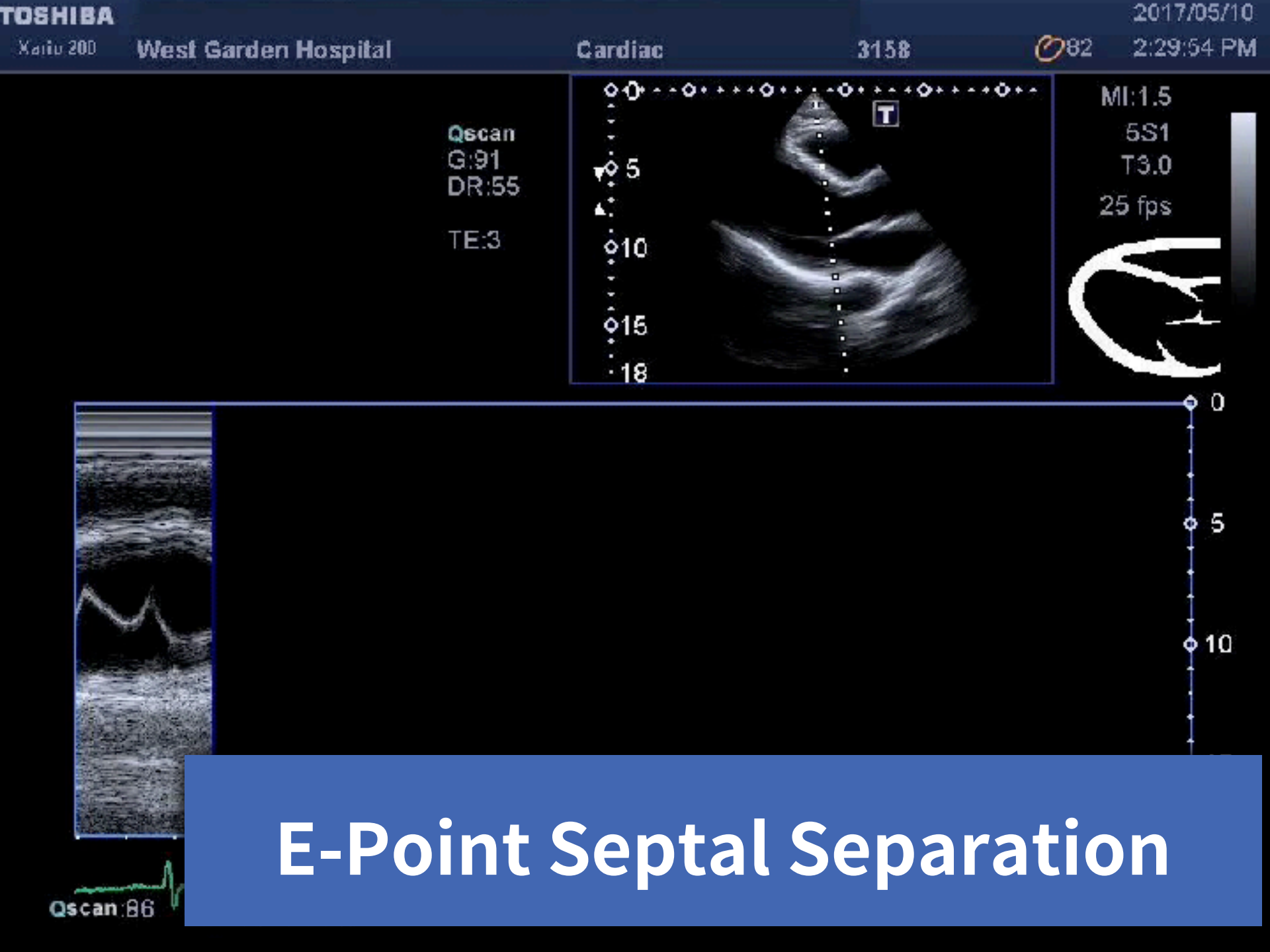


ULTRASOUND
PROGRAM

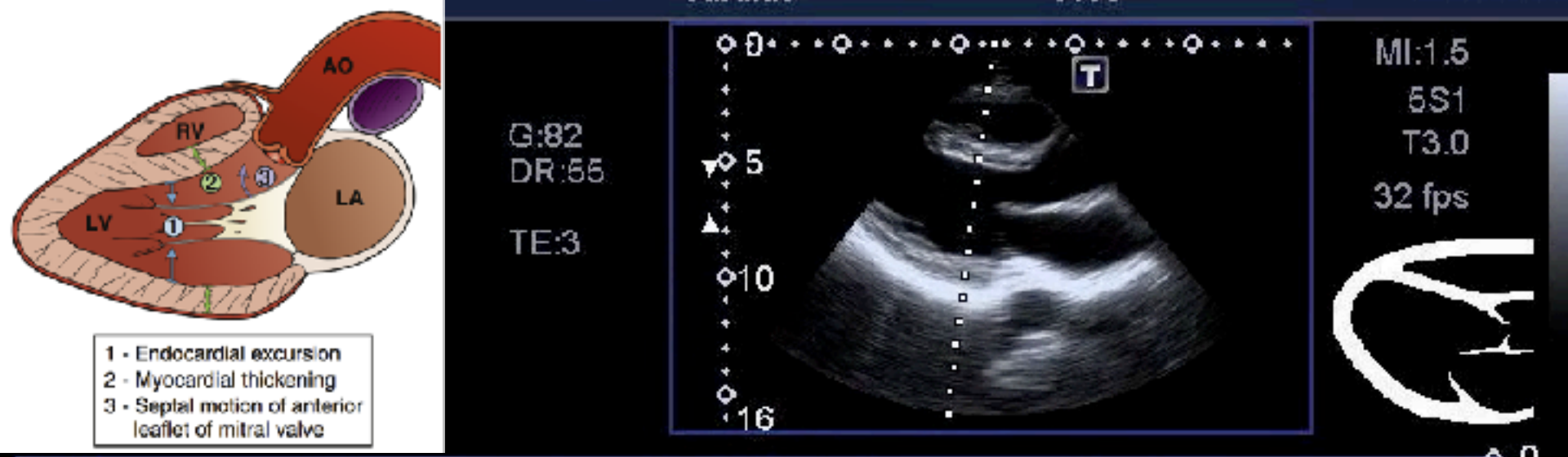
Indicate RV

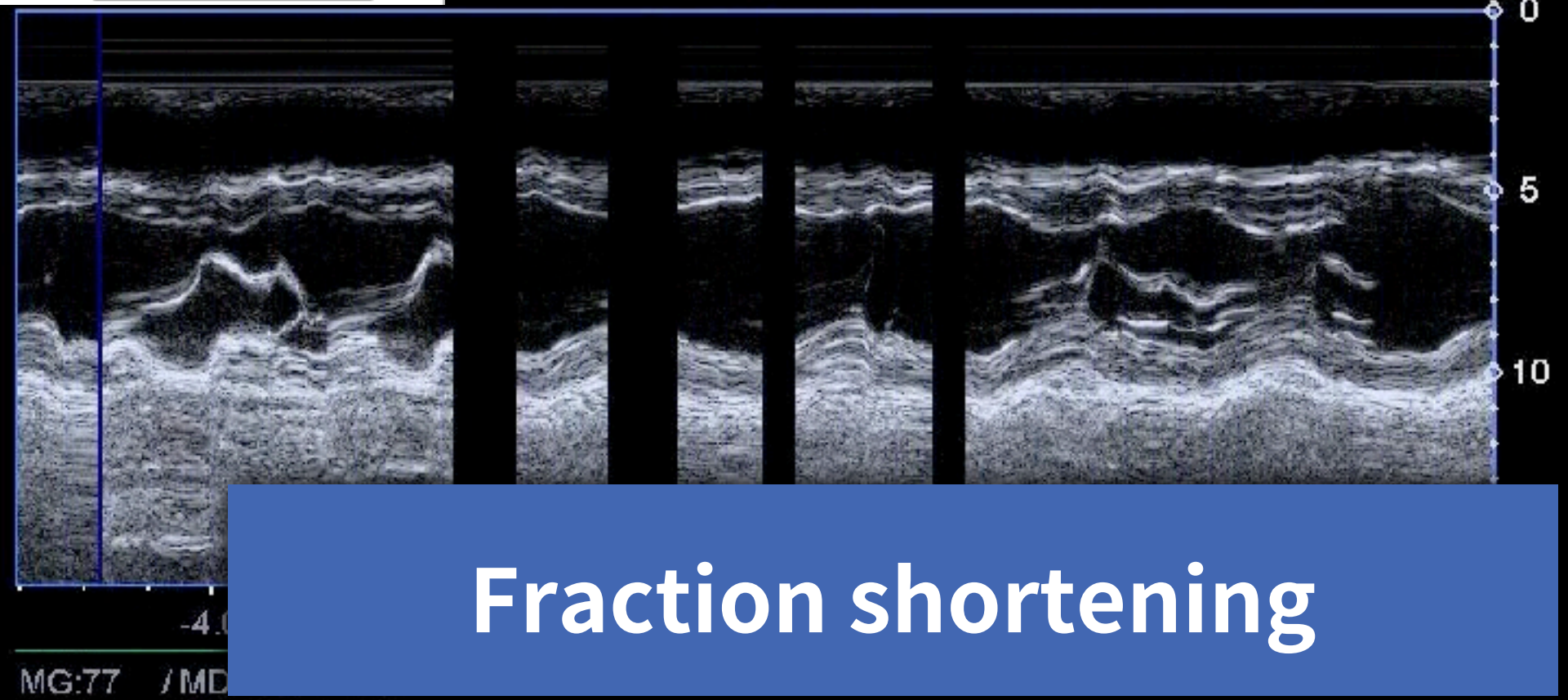
Name structures





E-Point Septal Separation

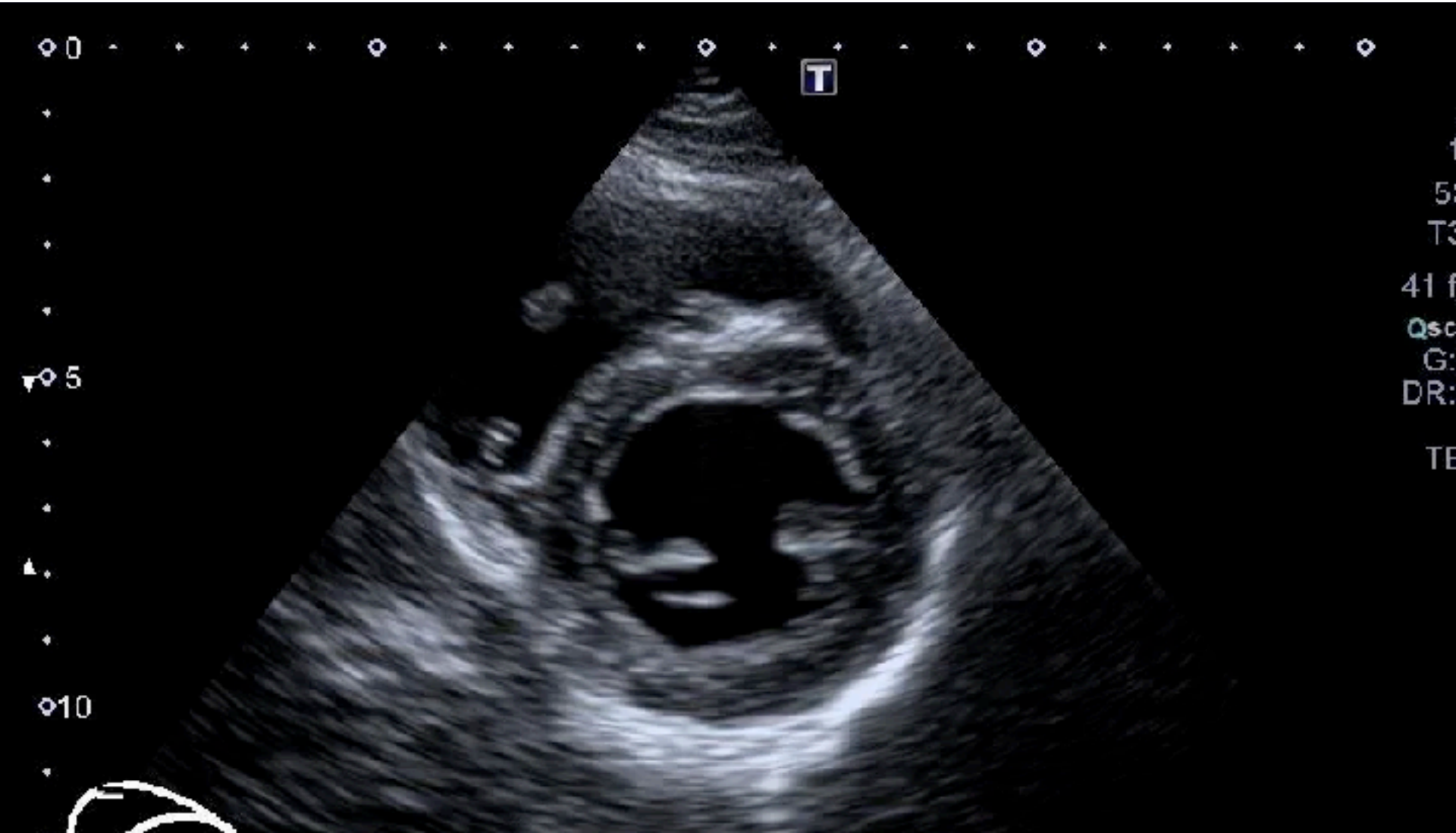




Fraction shortening

ULTRASOUND PROGRAM

PSSA: level

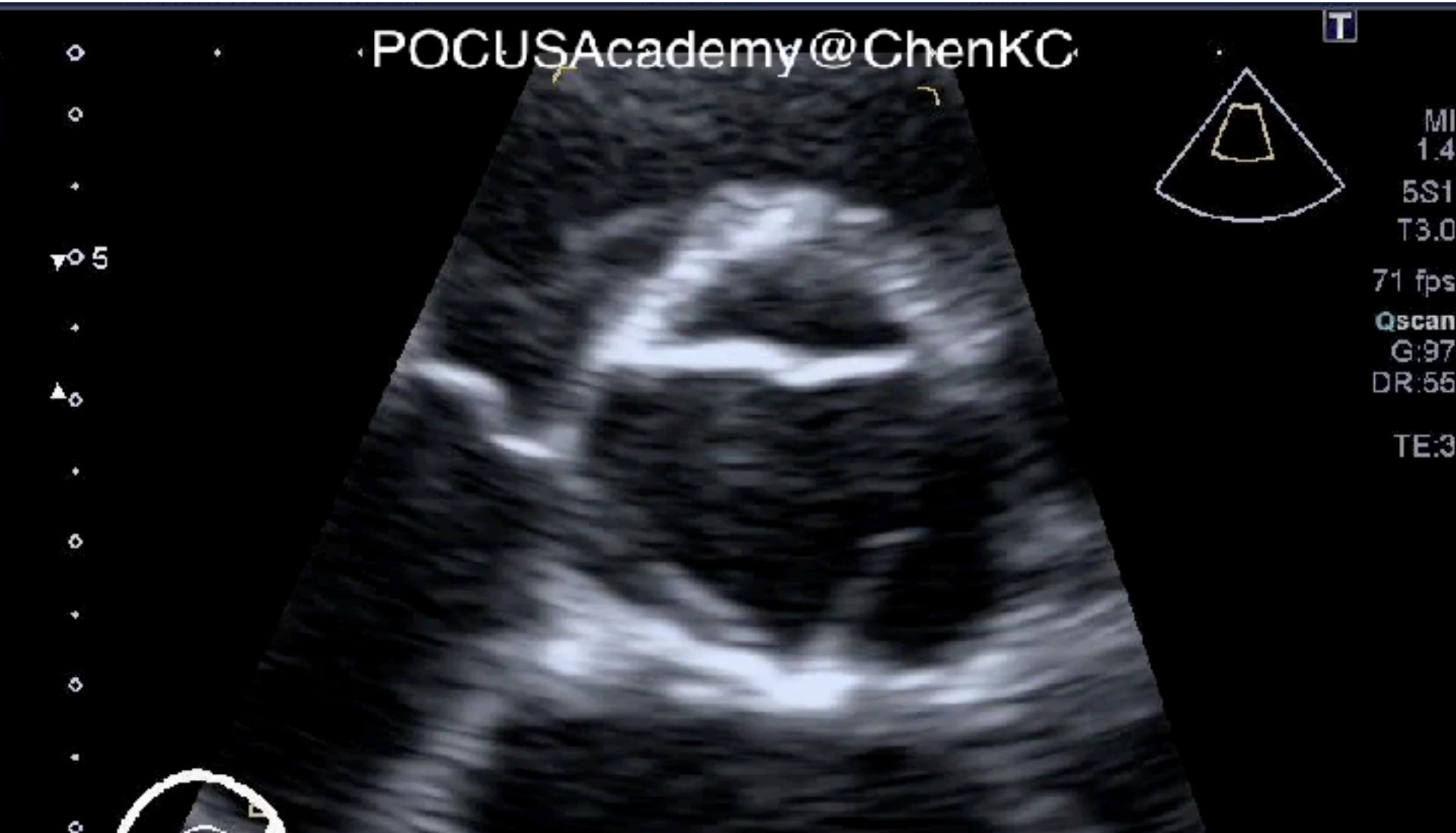


ULTRASOUND PROGRAM

PSSA: level

ULTRASOUND
PROGRAM

Mercedes Benz sign

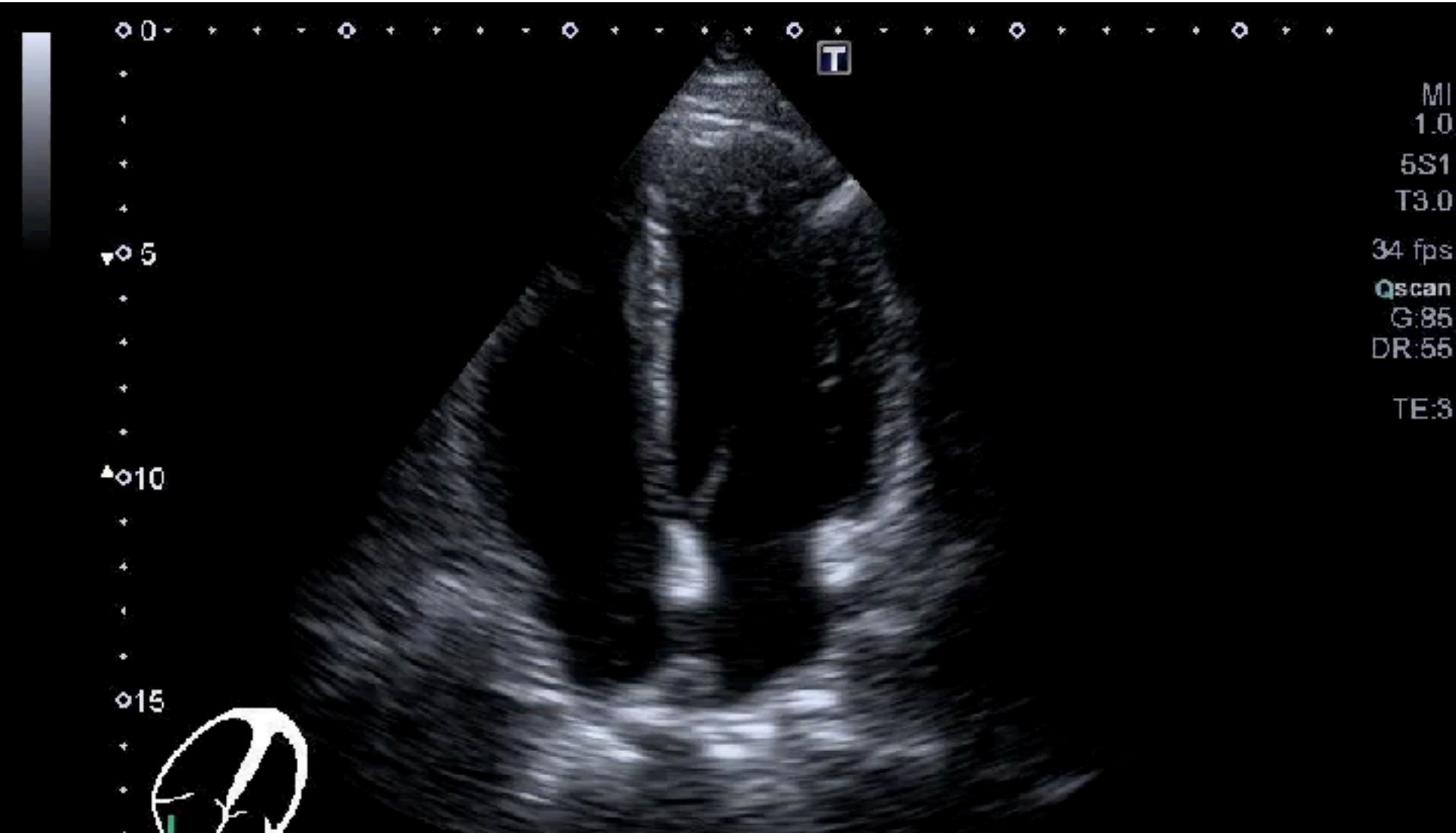


ULTRASOUND
PROGRAM

影片中出現的血管？

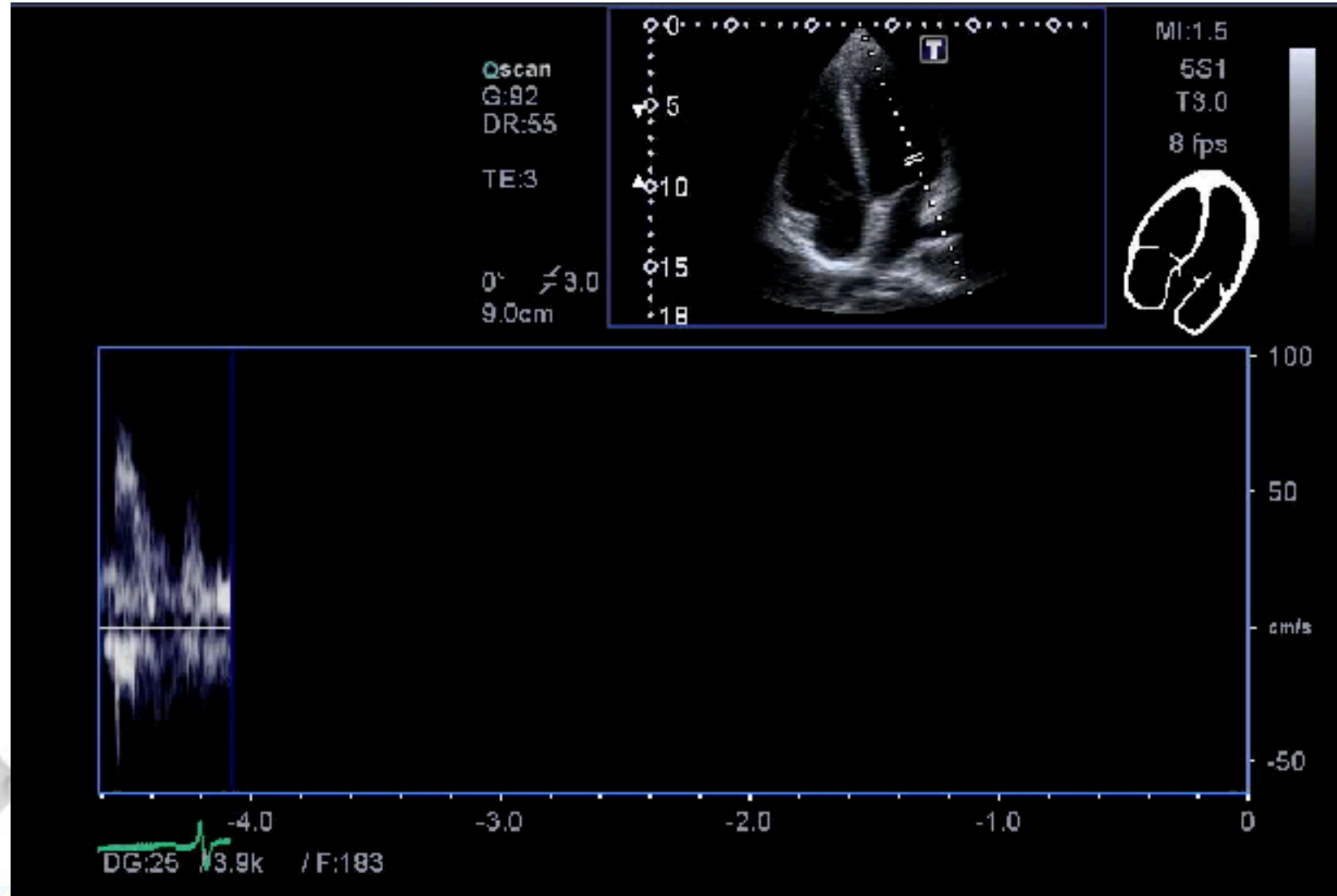
ULTRASOUND
PROGRAM

No. of valves ?



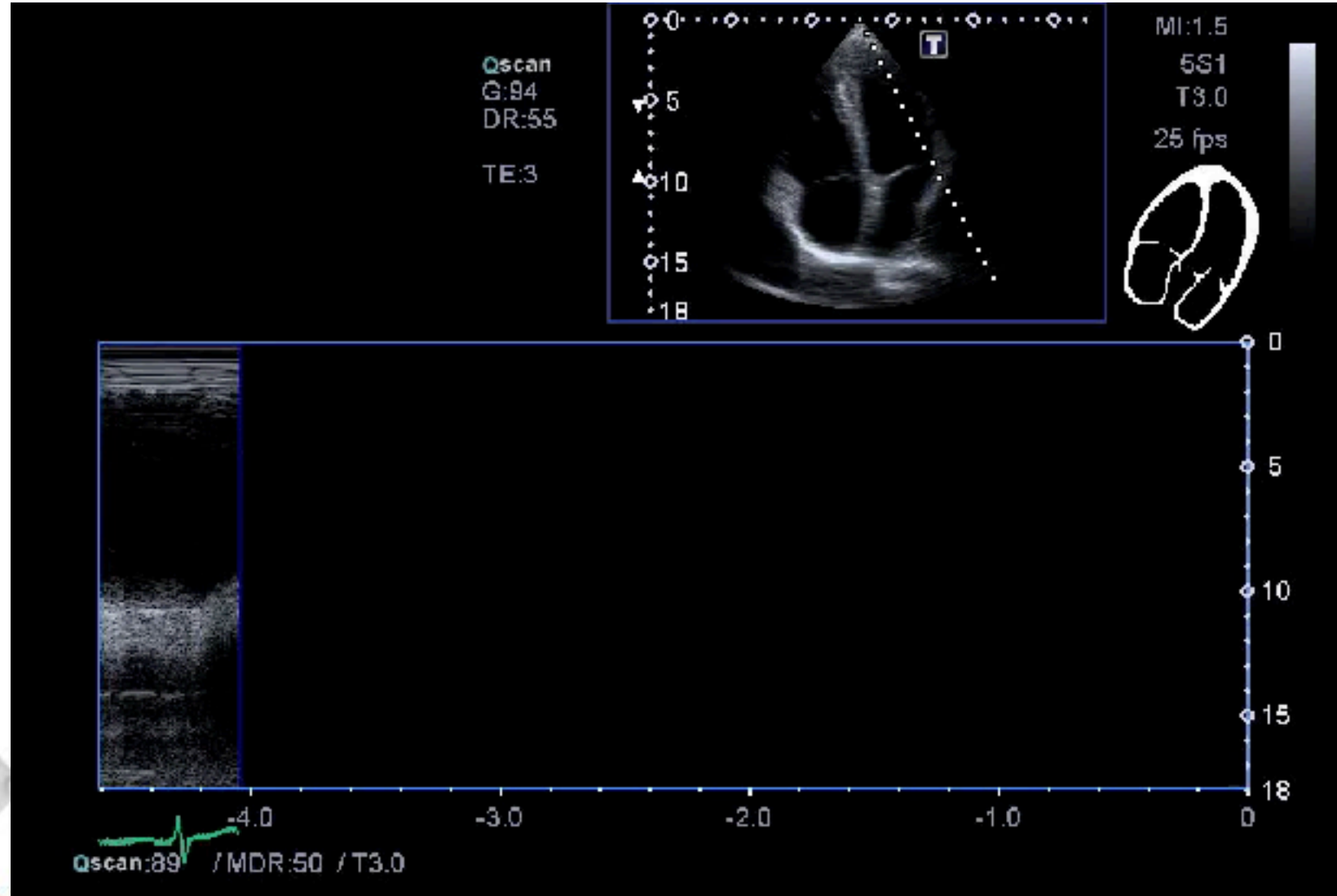
ULTRASOUND
PROGRAM

LV diastolic function



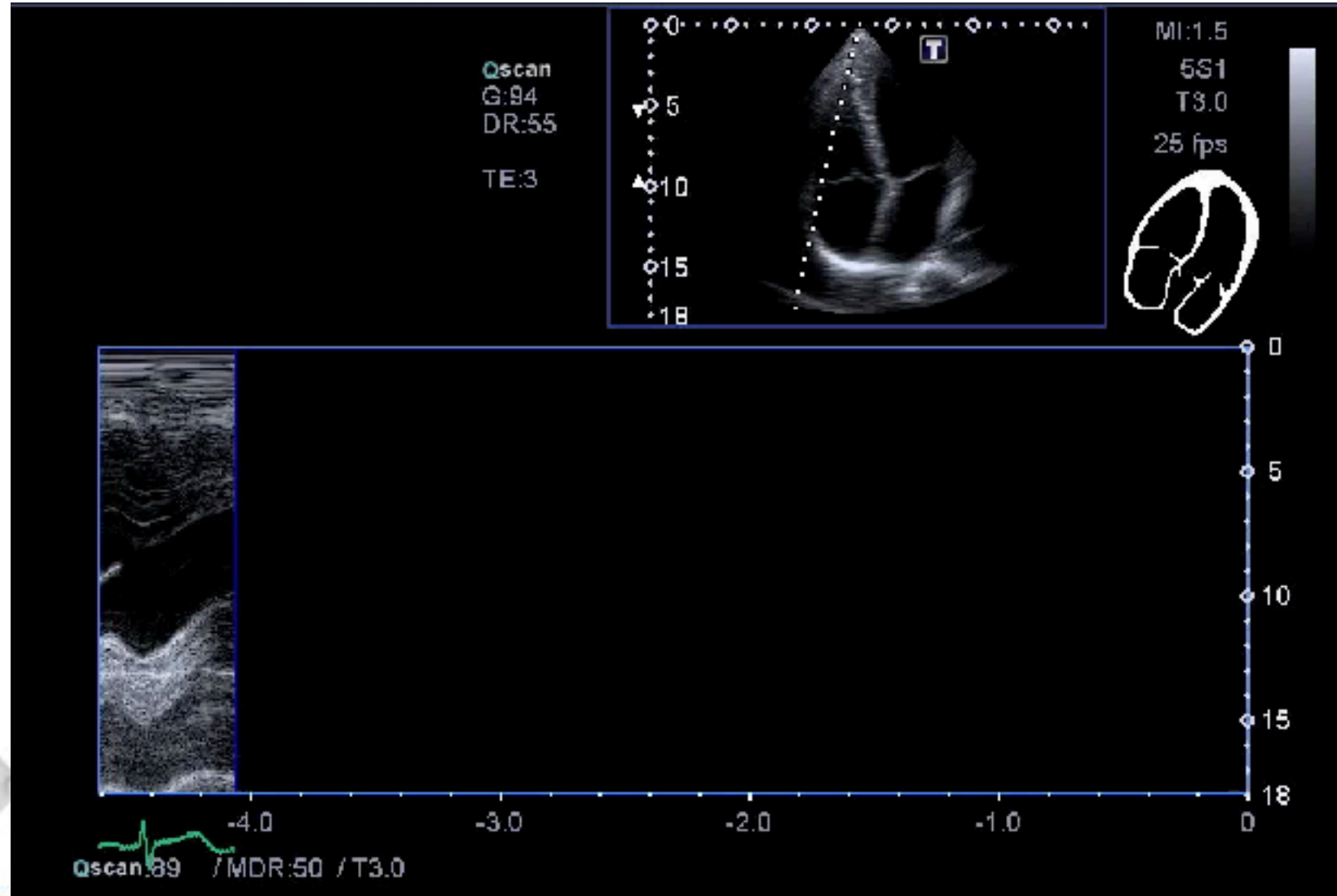
ULTRASOUND
PROGRAM

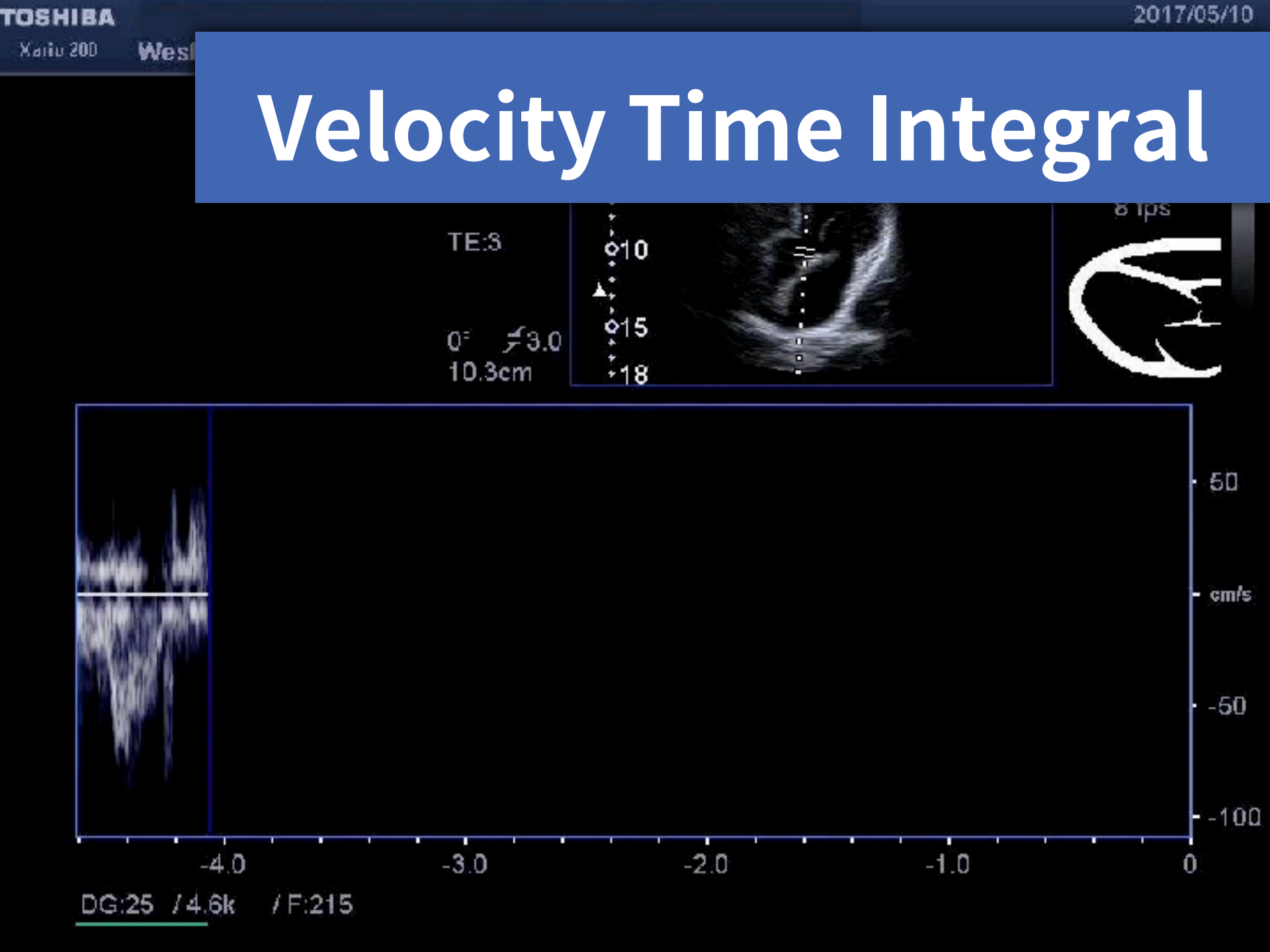
MAPSE



ULTRASOUND
PROGRAM

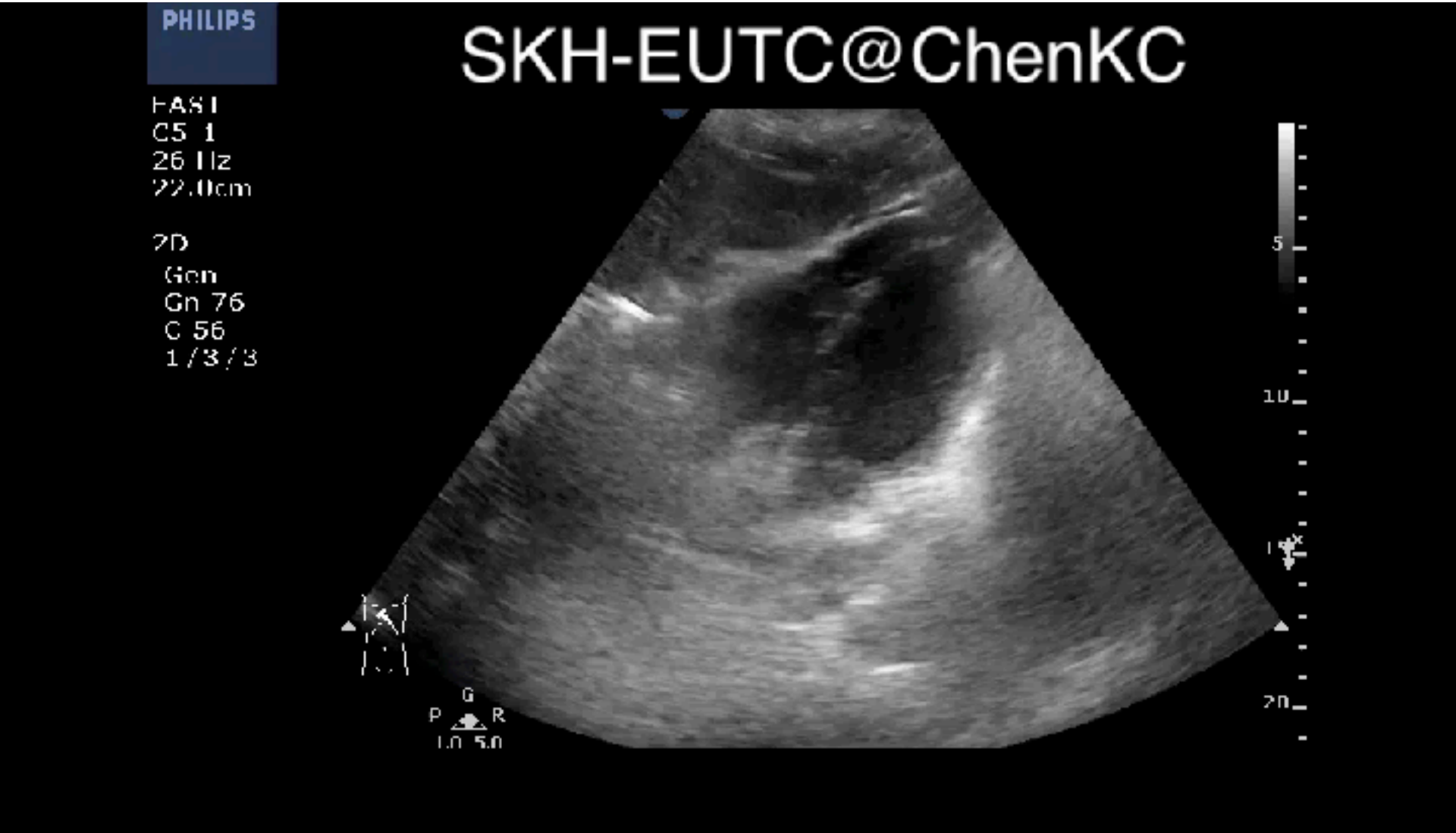
TAPSE



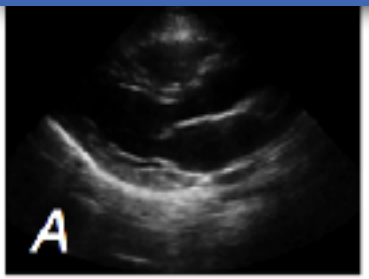

TOSHIBA
2017/05/10
Velocity Time Integral
TE:3
10
15
18
3.0
10.3cm
50
cm/s
-50
-100
-4.0
-3.0
-2.0
-1.0
0
DG:25
/4.6k
/F:215

ULTRASOUND
PROGRAM

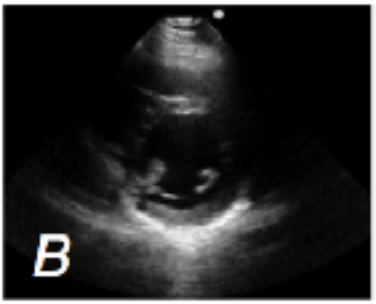
Subcostal 4 chamber

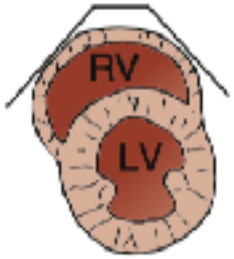


RV evaluation

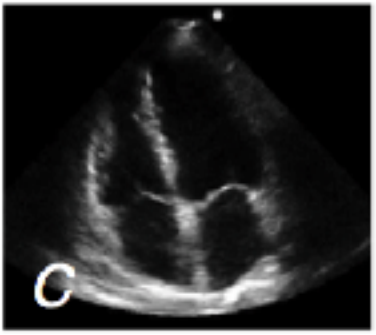


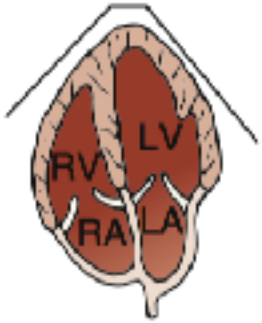
Parasternal long-axis view
-Only RVOT visible in the near field
-Only gross RV size or function abnormalities detectable



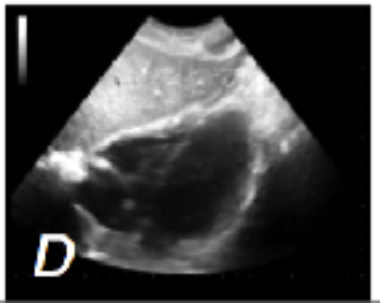


Parasternal short-axis view
-Crescentic RV adjacent to the circular LV
-Look for RV>LV size and septal kinetics or flattening





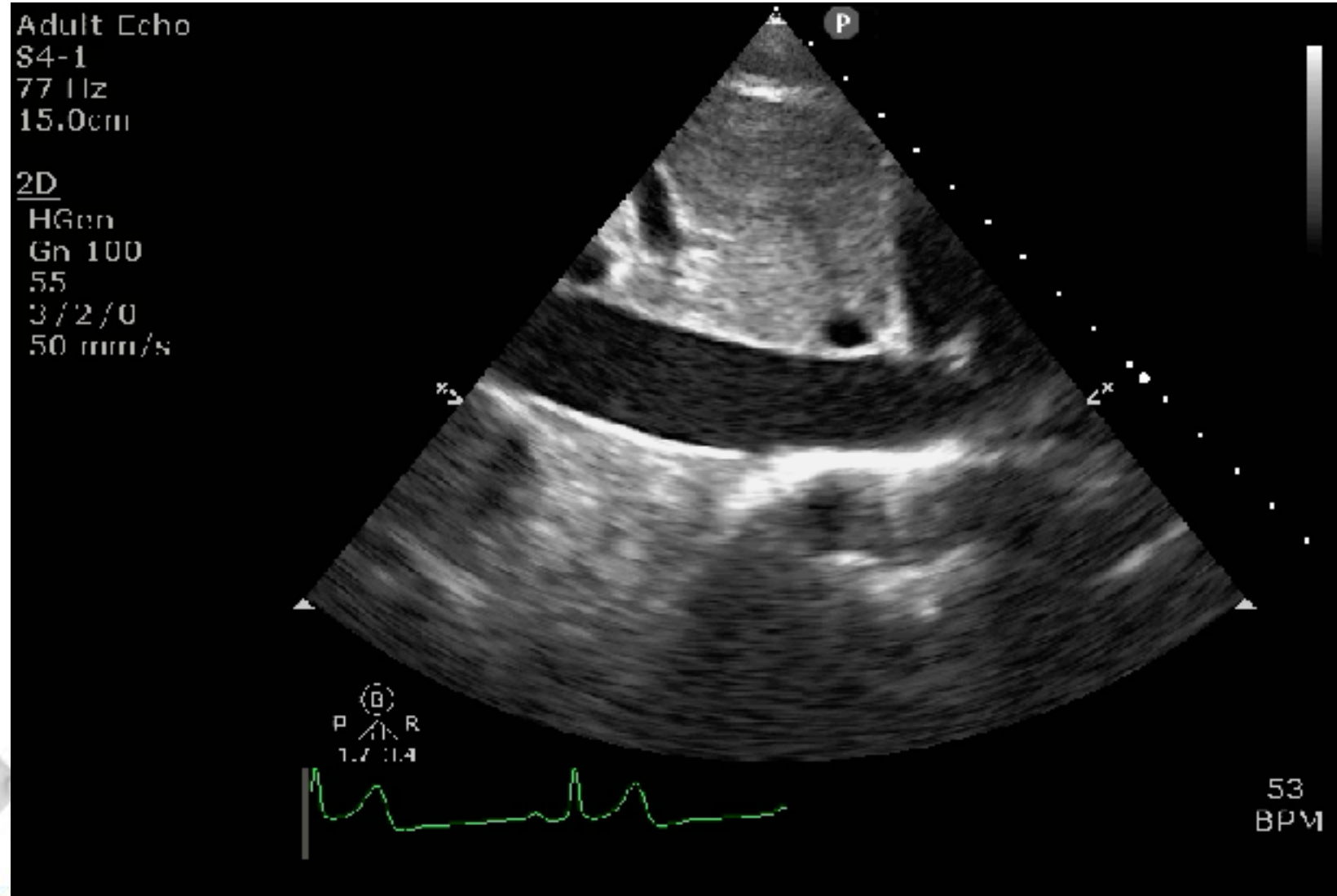
Apical 4-chamber view
-Triangular RV seen adjacent to the LV
-Ideal view for RV size and systolic function assessment



Subcostal 4-chamber view
-Triangular RV in the near field
-May assess RV size, systolic function, and wall thickness

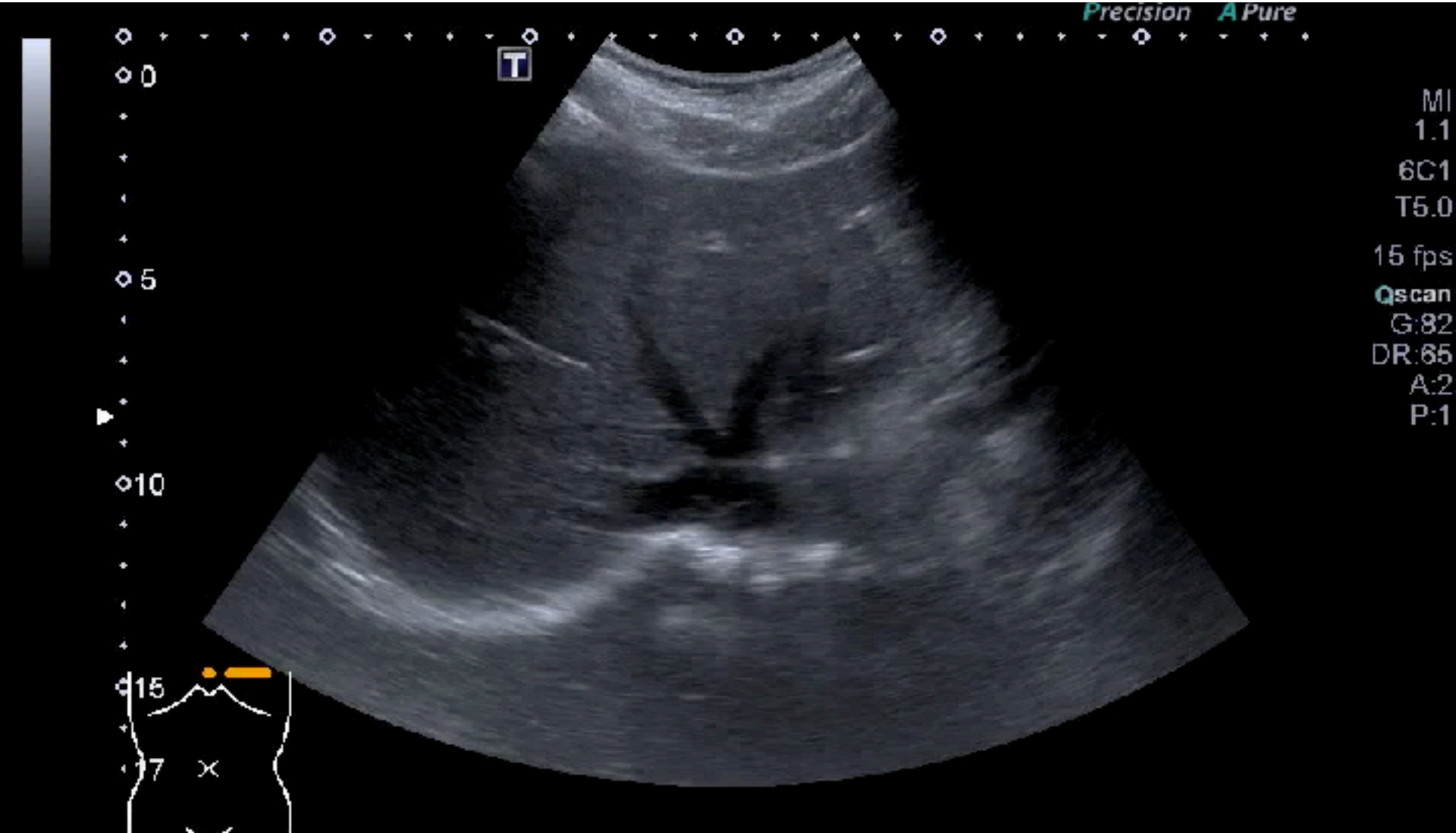
ULTRASOUND
PROGRAM

Subcostal IVC



ULTRASOUND
PROGRAM

Liver segments



ULTRASOUND
PROGRAM

Mickey Mouse sign

ULTRASOUND PROGRAM

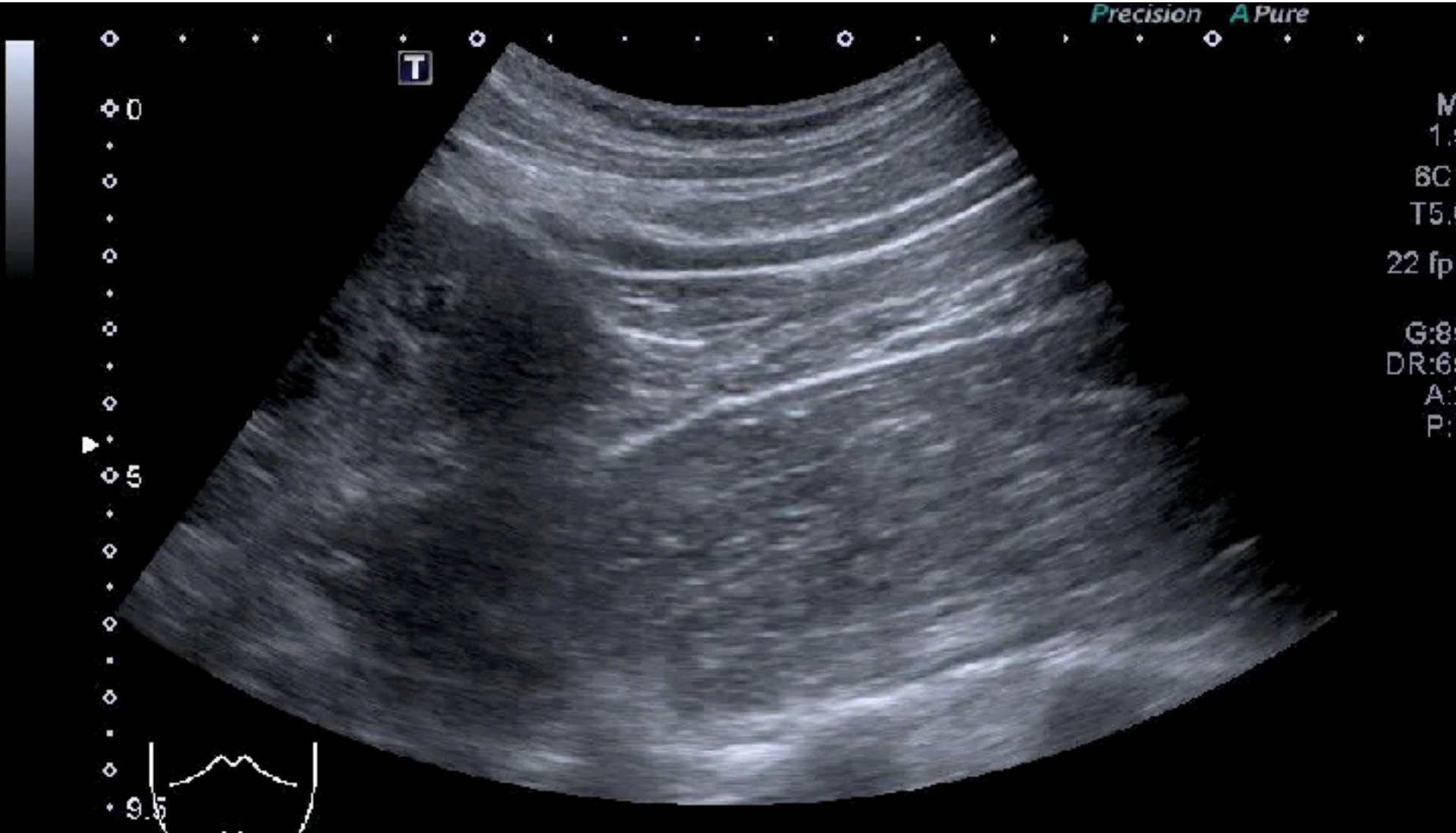
RK - Coronal view

ULTRASOUND
PROGRAM

Paracolic gutter

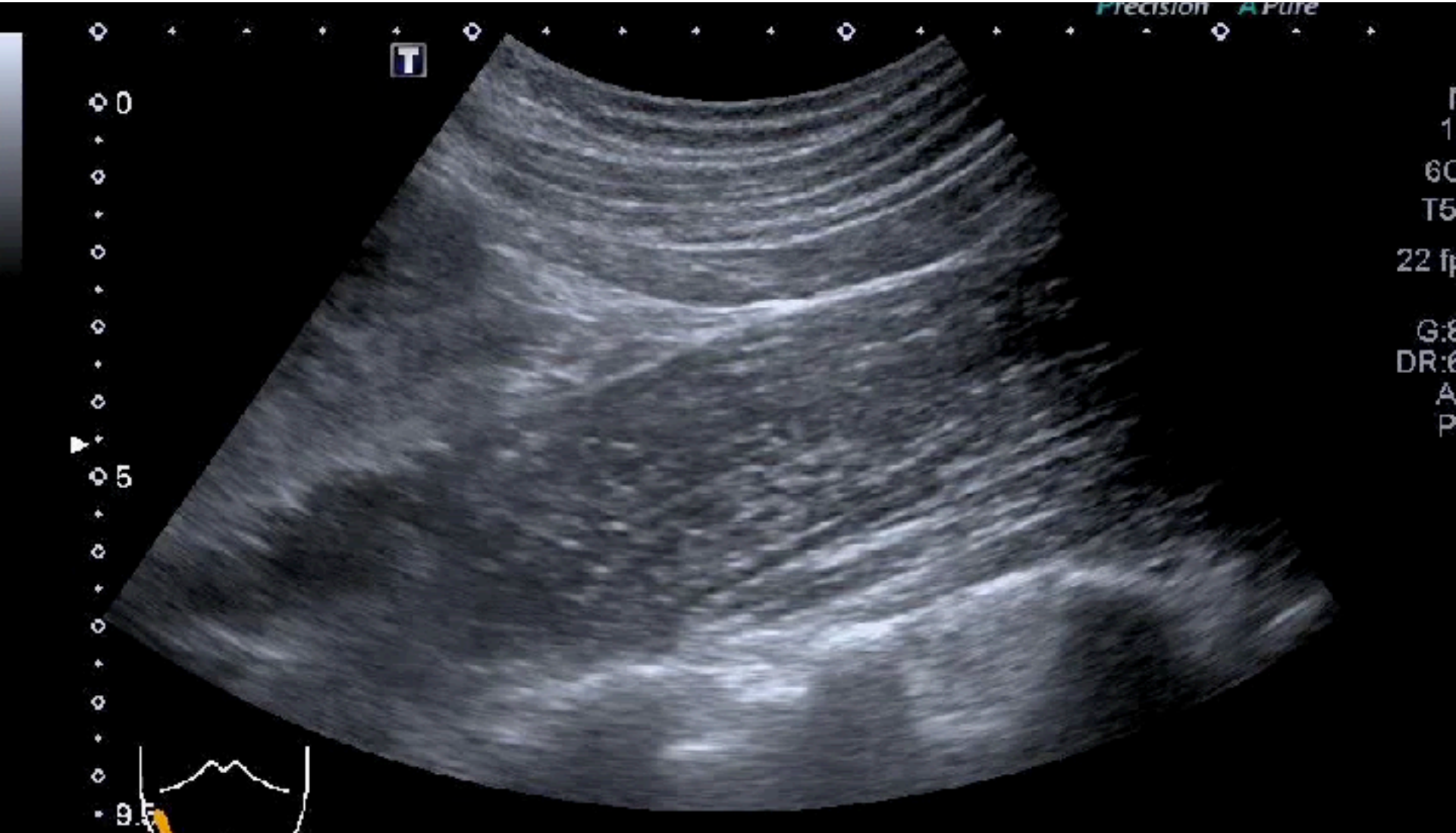
ULTRASOUND
PROGRAM

Largest muscle



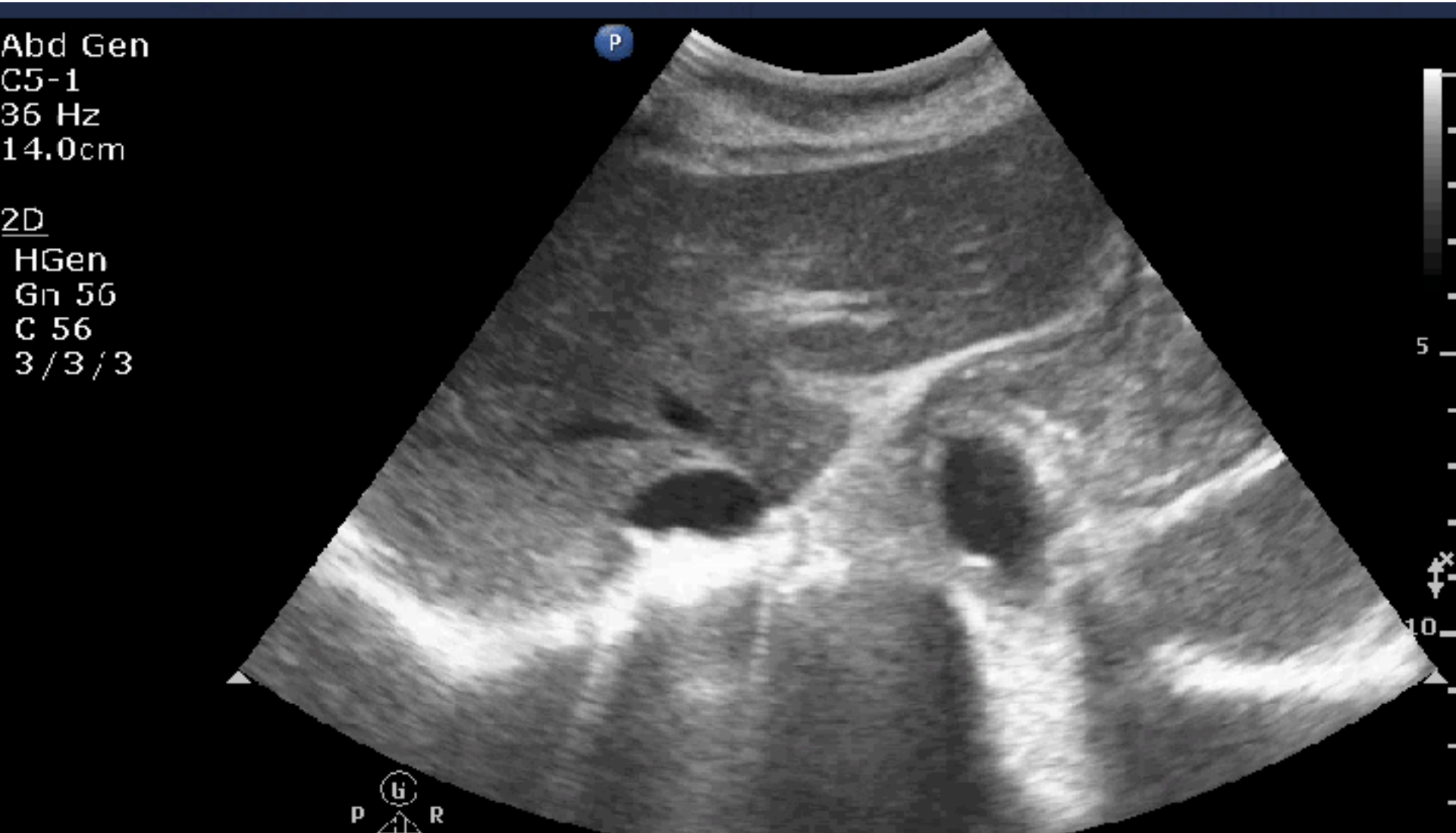
ULTRASOUND
PROGRAM

No of transverse process



ULTRASOUND PROGRAM

Name of GI structure

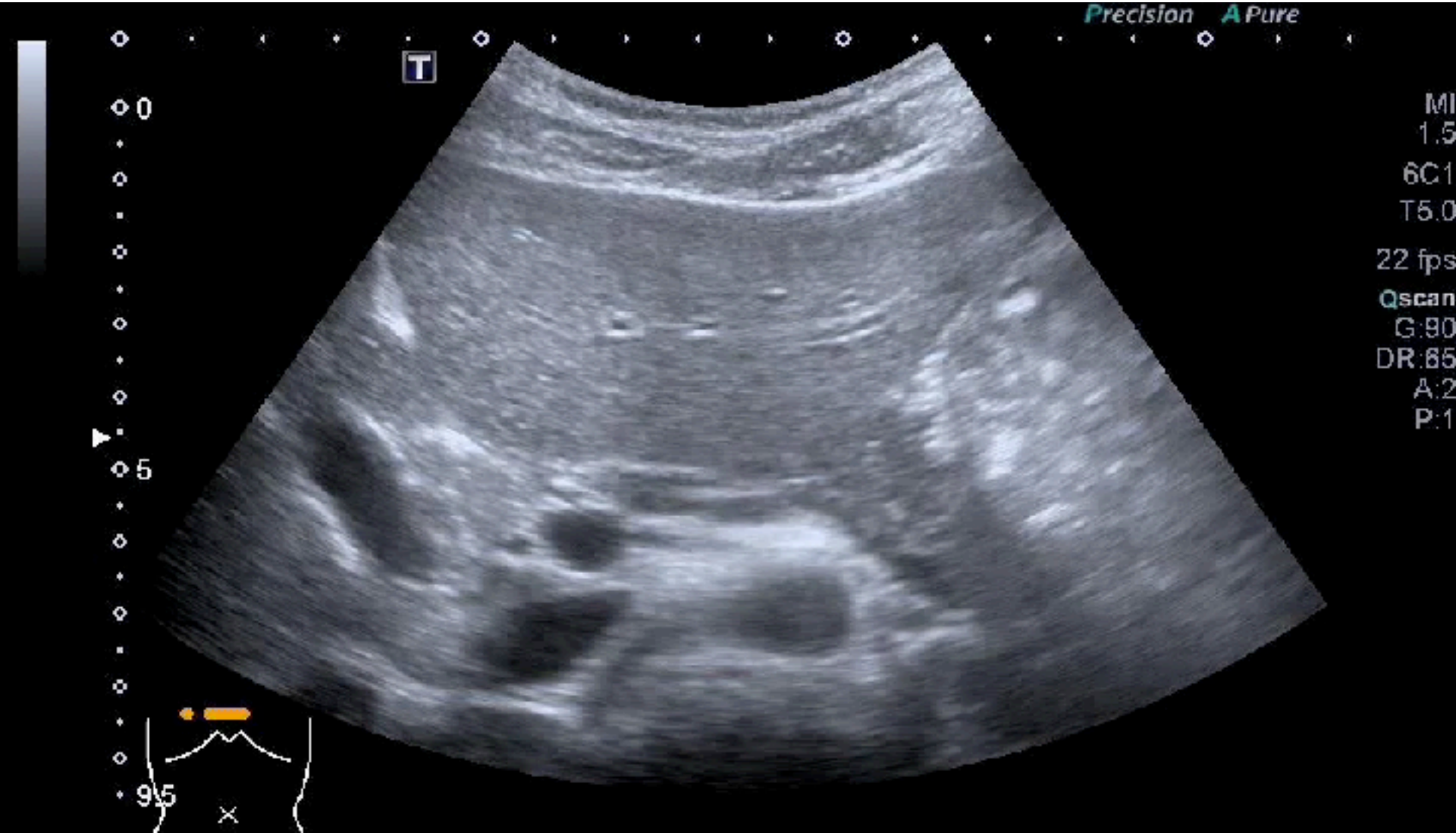


ULTRASOUND
PROGRAM

Indicate EC junction

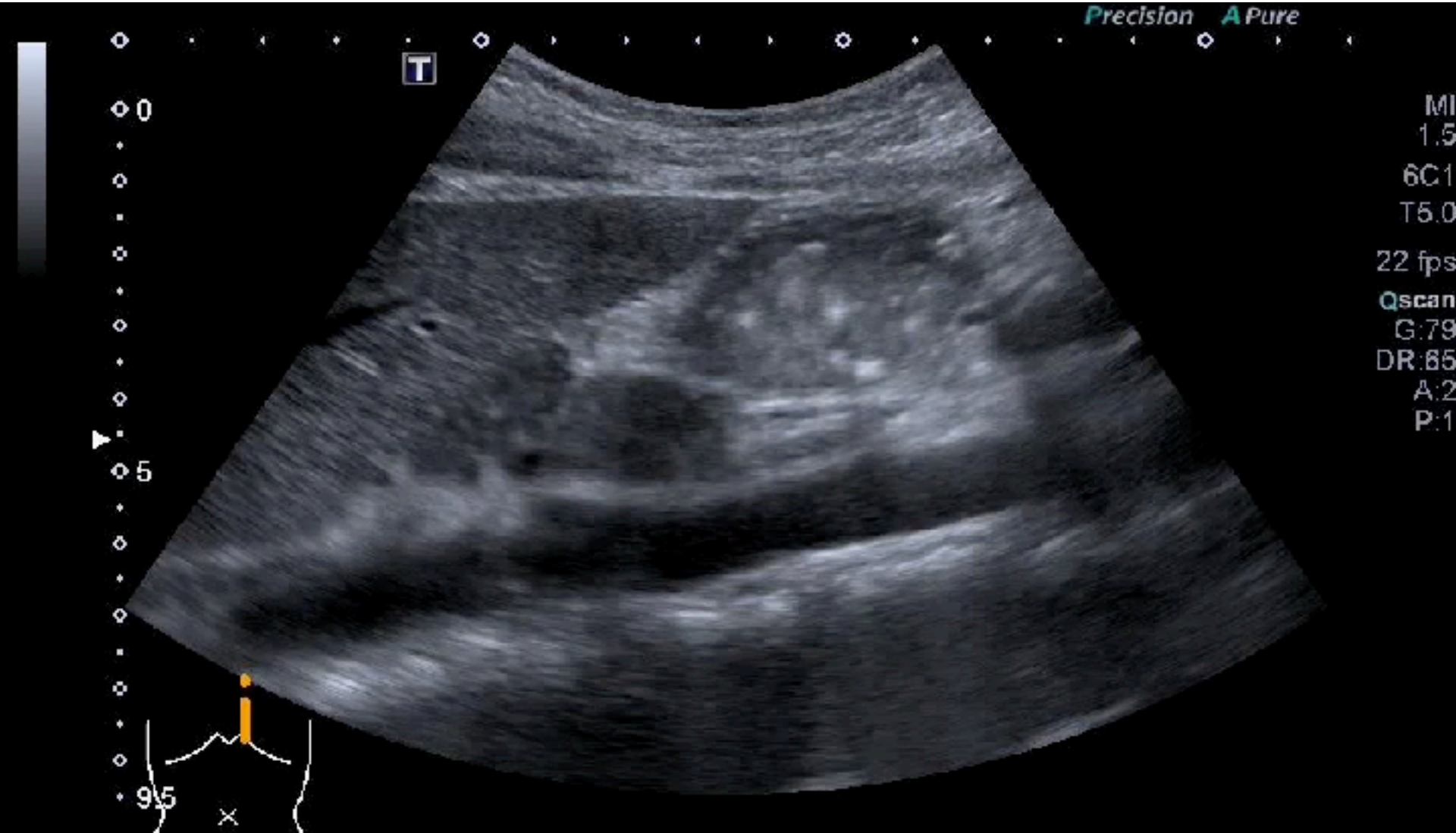
ULTRASOUND
PROGRAM

Indicate duodenum



ULTRASOUND
PROGRAM

Risk of aspiration ? (L/M/H)

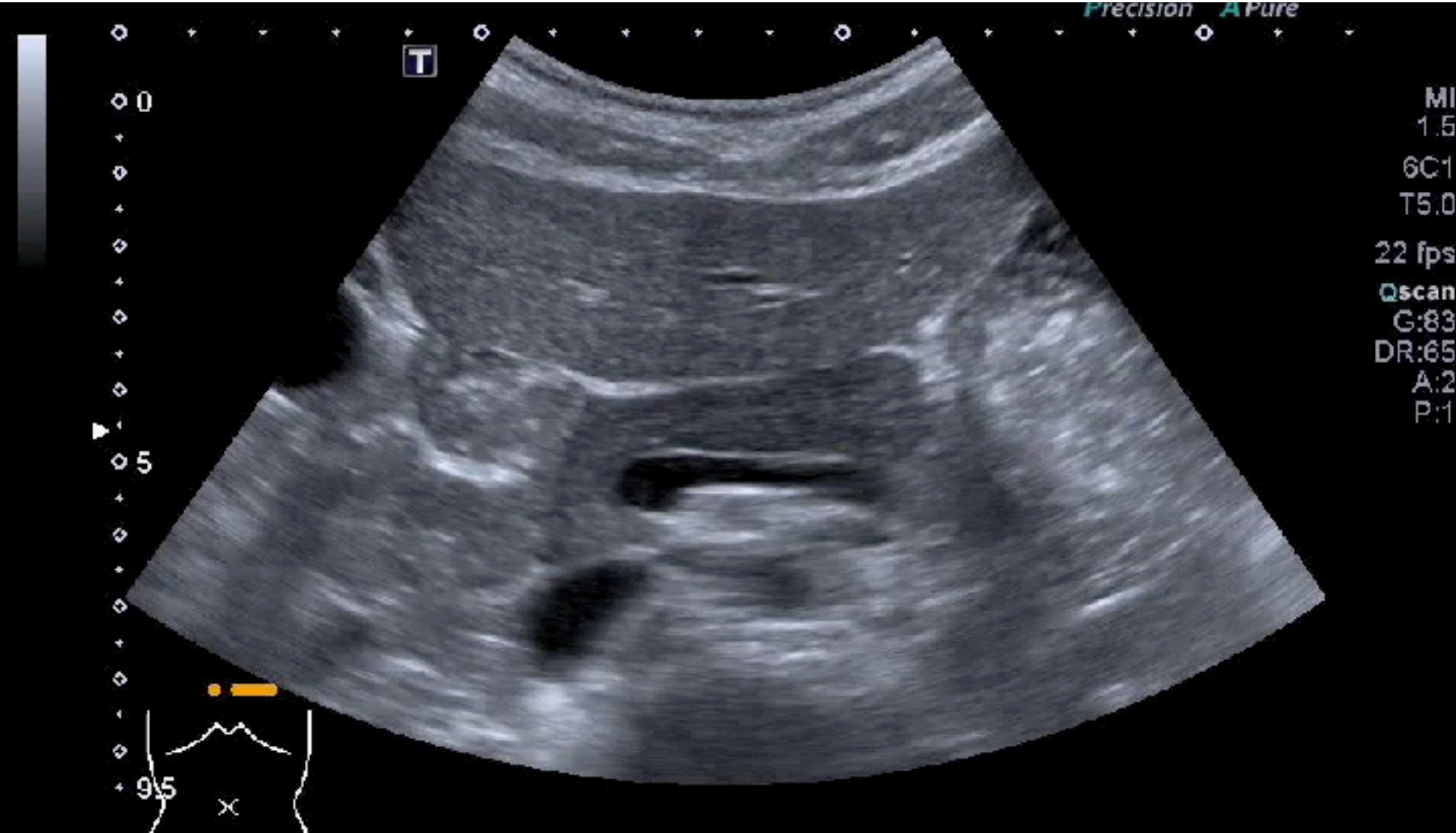


ULTRASOUND
PROGRAM

Indicate CBD

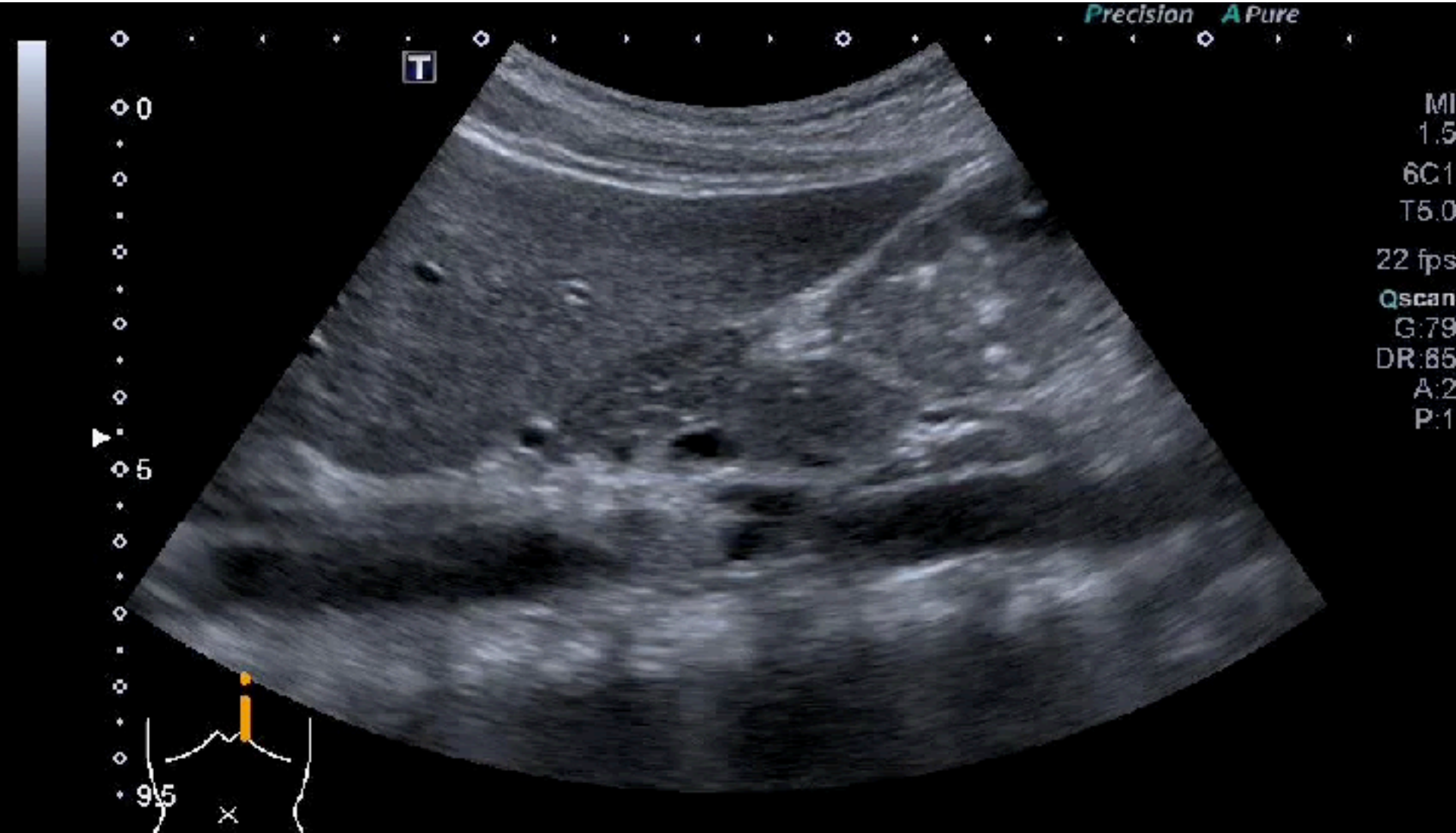
ULTRASOUND PROGRAM

Indicate P-duct



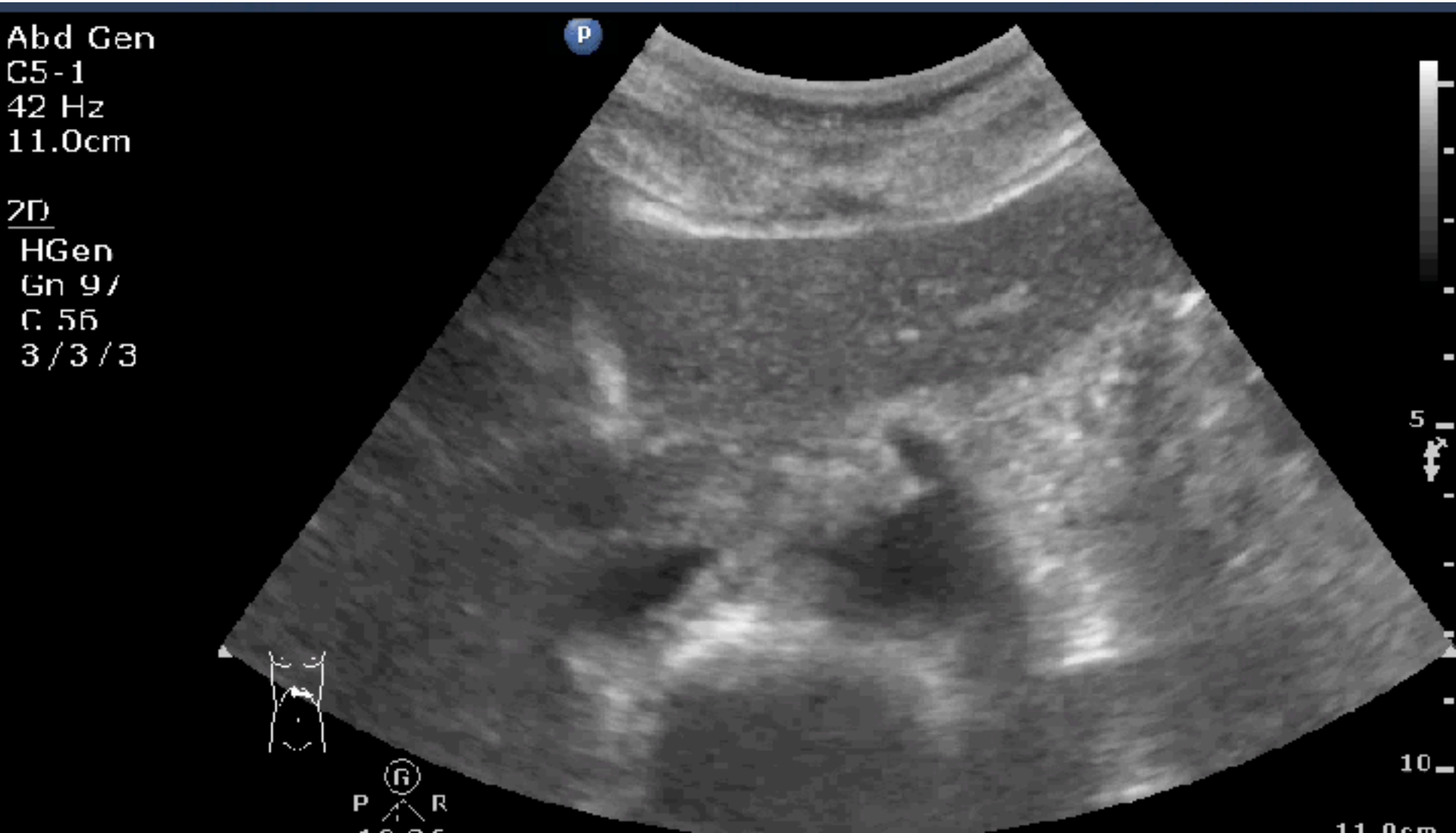
ULTRASOUND PROGRAM

Indicate pancreas



ULTRASOUND
PROGRAM

Seagull sign



ULTRASOUND
PROGRAM

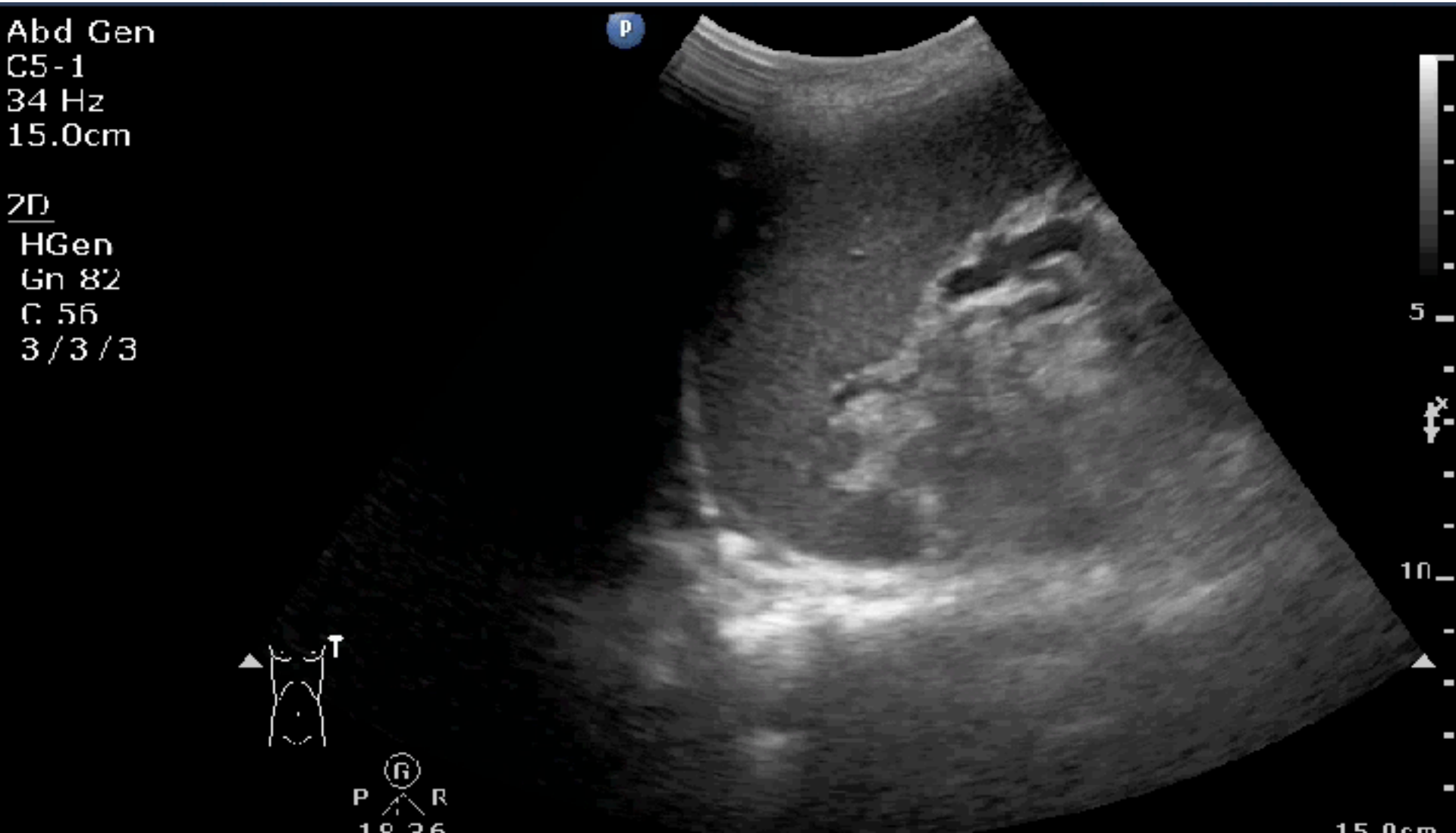
No. of aortic branches

ULTRASOUND
PROGRAM

No. of veins with PD

ULTRASOUND
PROGRAM

Name the GI structure

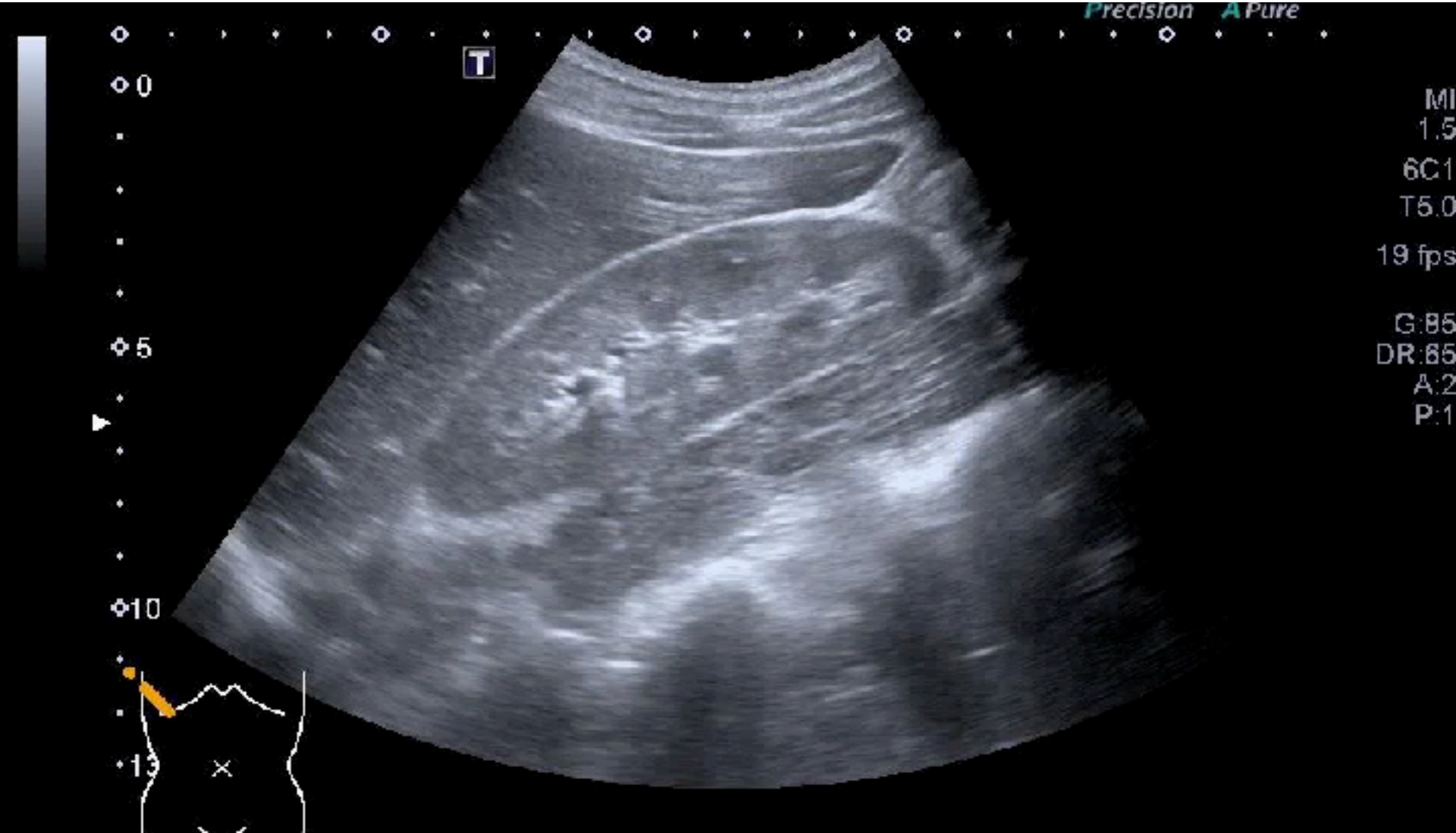


ULTRASOUND
PROGRAM

No. of solid organs

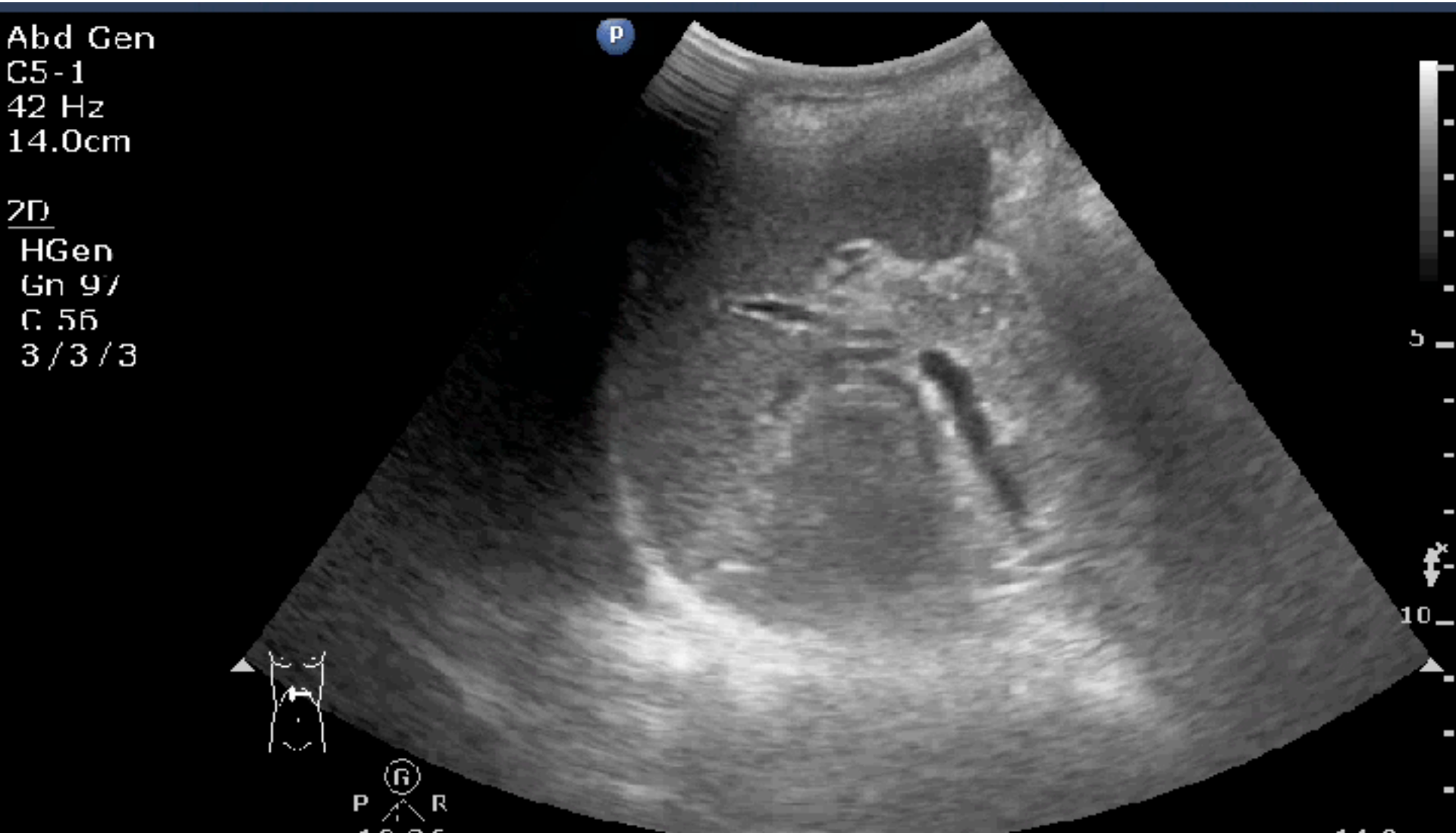
ULTRASOUND
PROGRAM

No. of solid organs



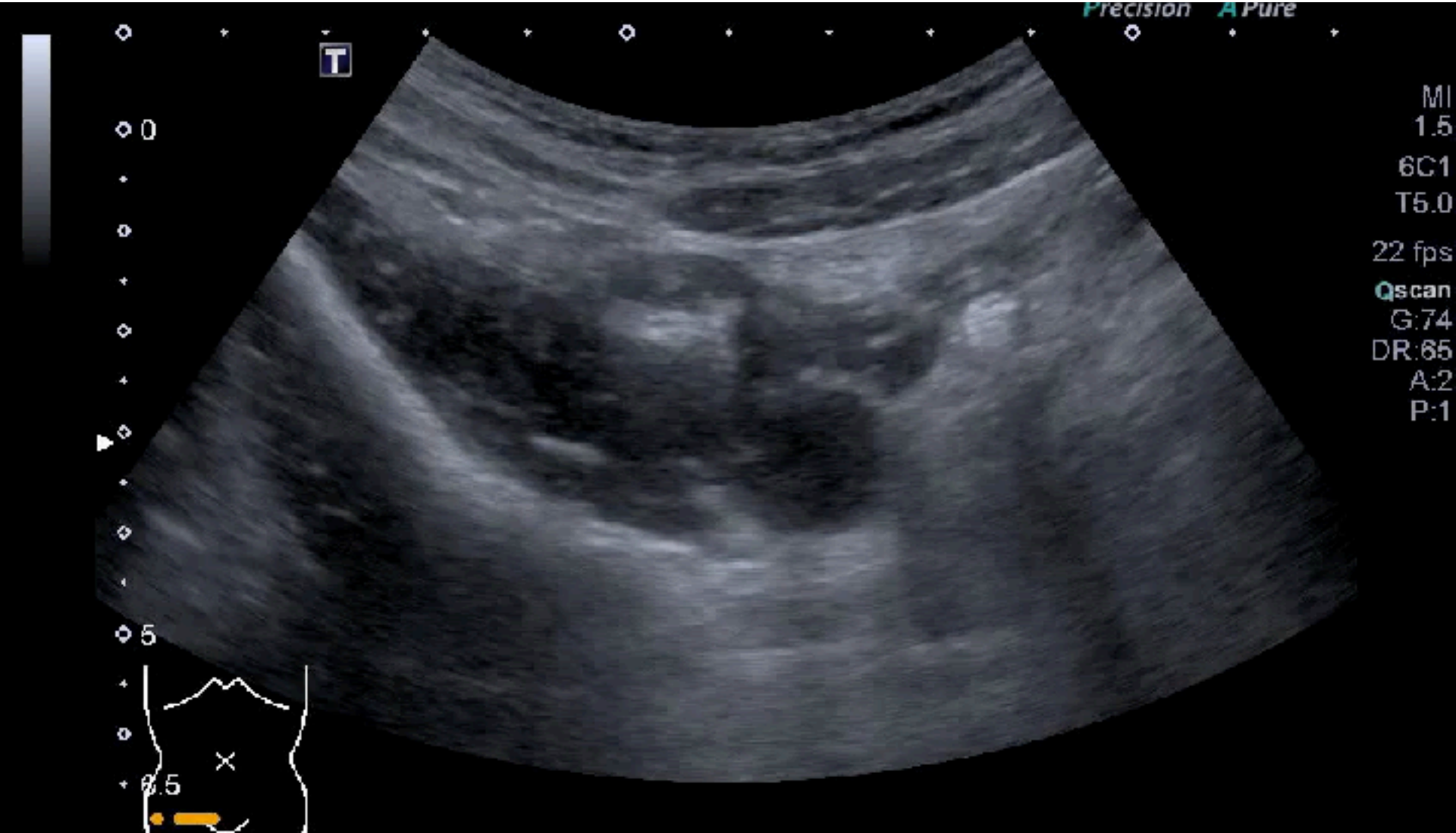
ULTRASOUND
PROGRAM

No. of GI structures



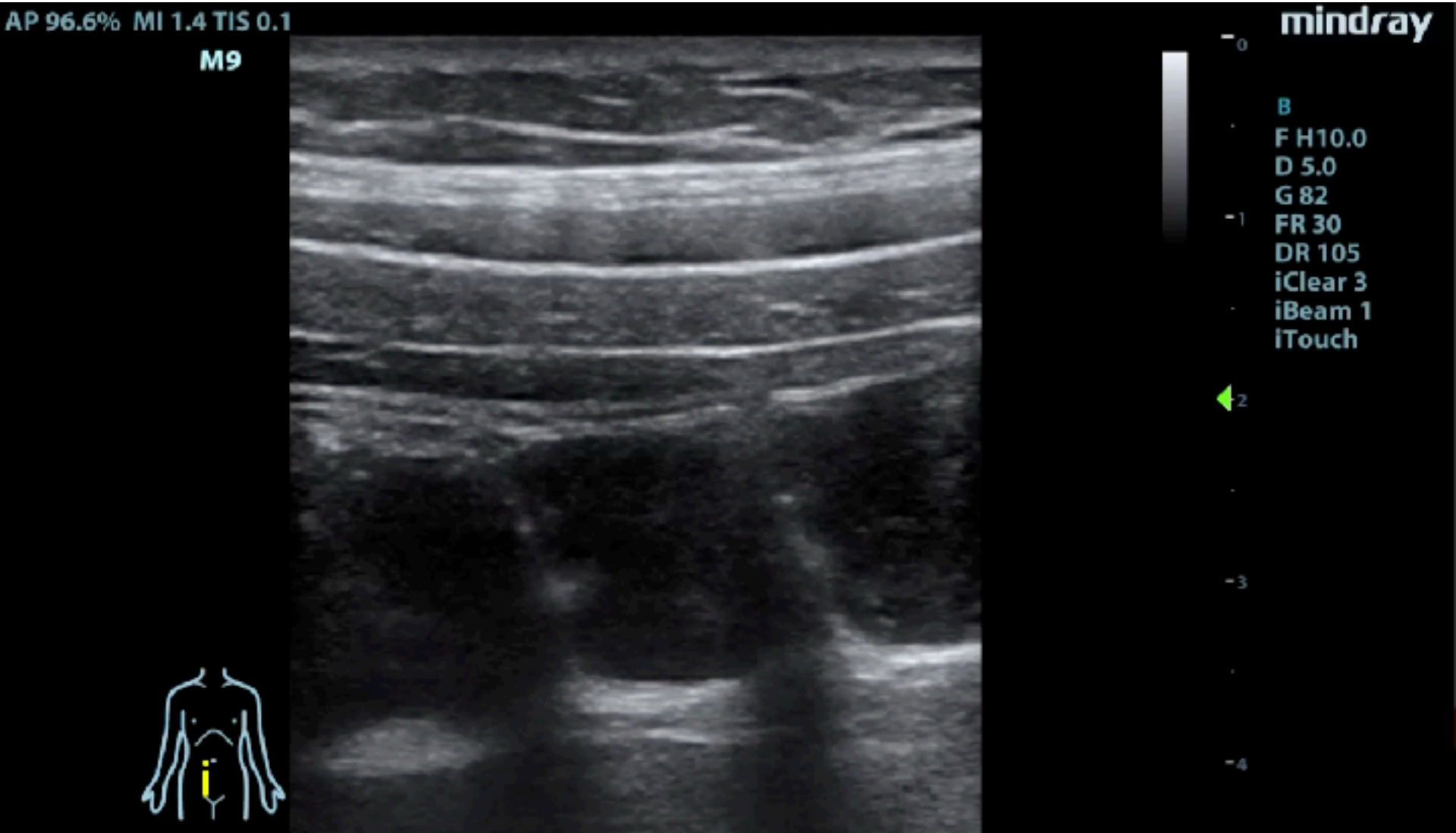
ULTRASOUND
PROGRAM

Inflammed GI structures



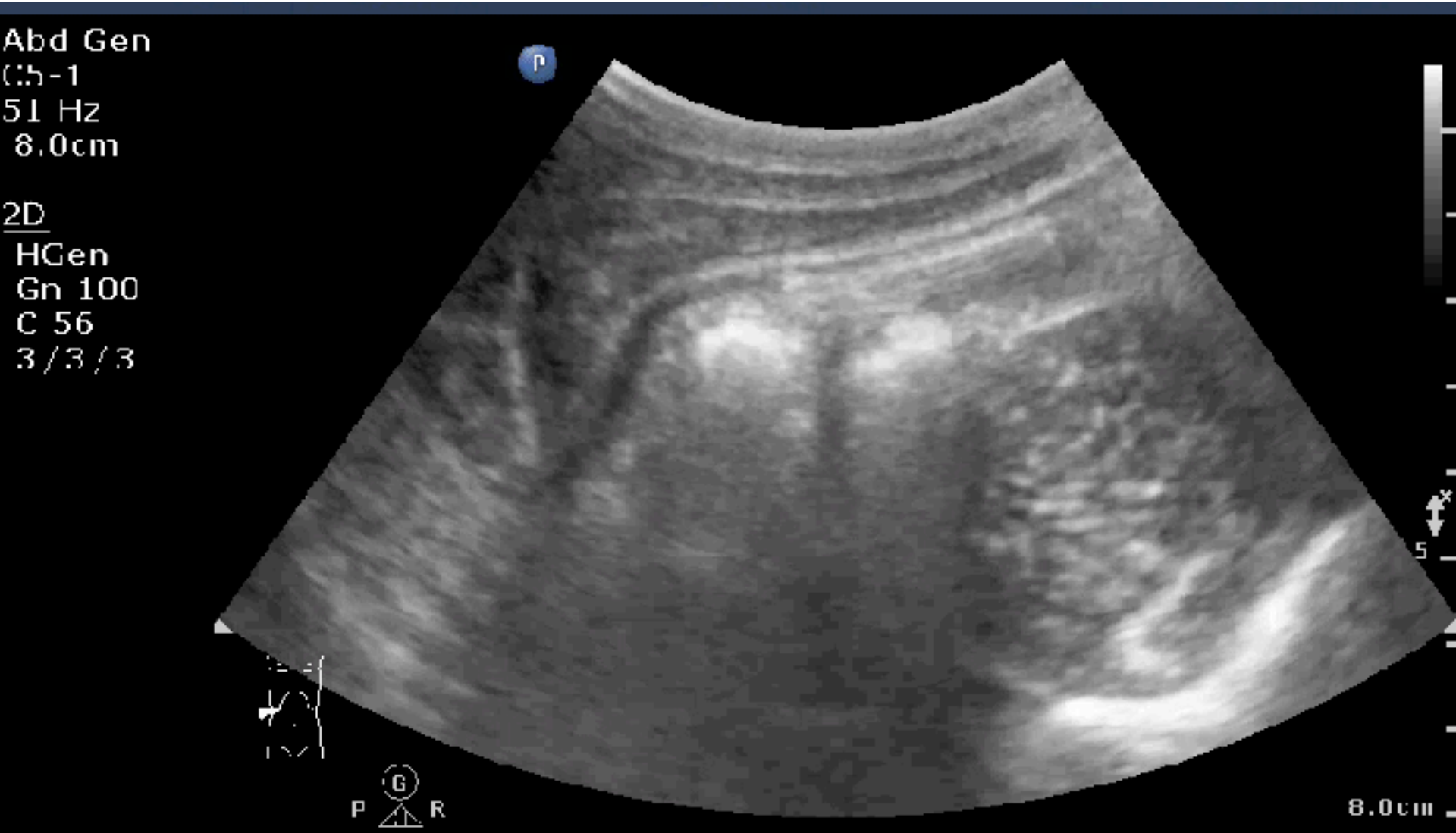
ULTRASOUND PROGRAM

Name the GI structure



ULTRASOUND PROGRAM

Ascending colon

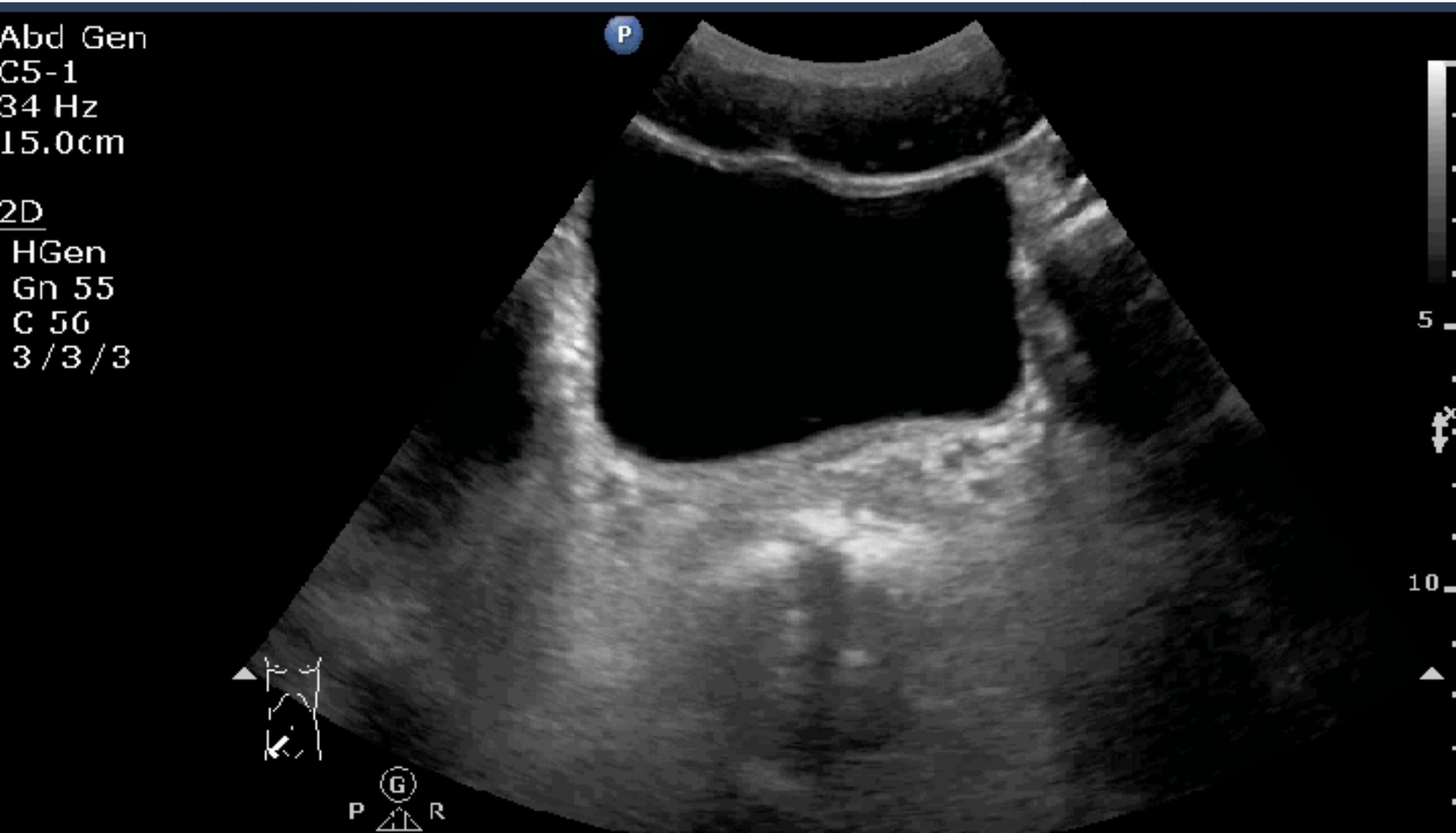


ULTRASOUND
PROGRAM

Descending colon

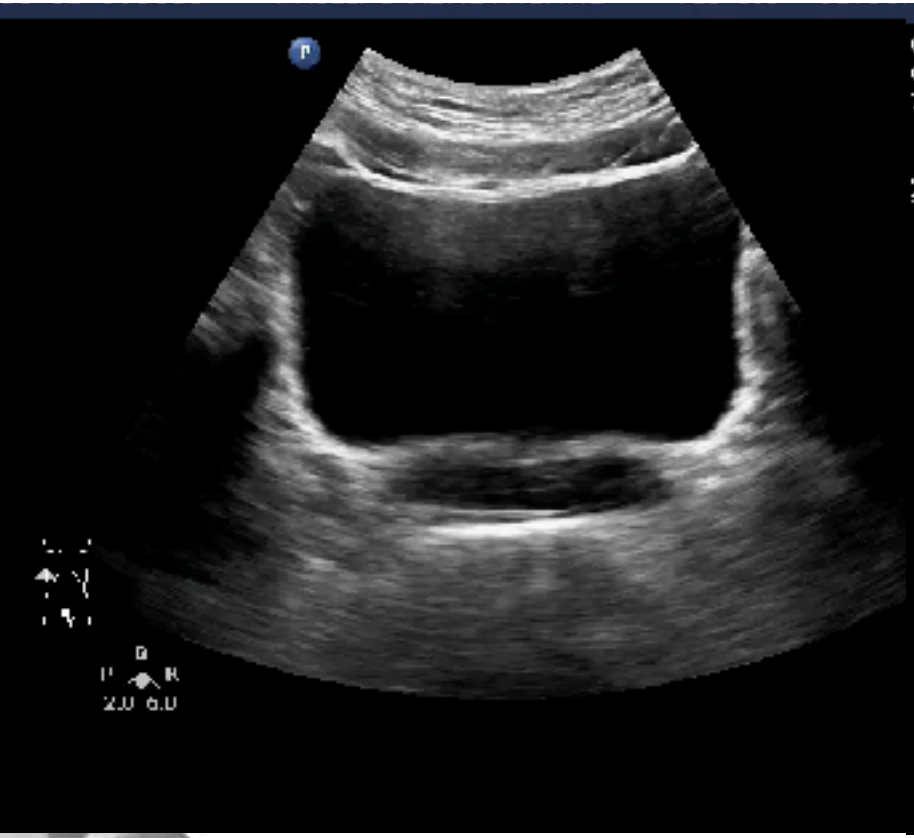
ULTRASOUND PROGRAM

Rectum



ULTRASOUND
PROGRAM

Ascites ?

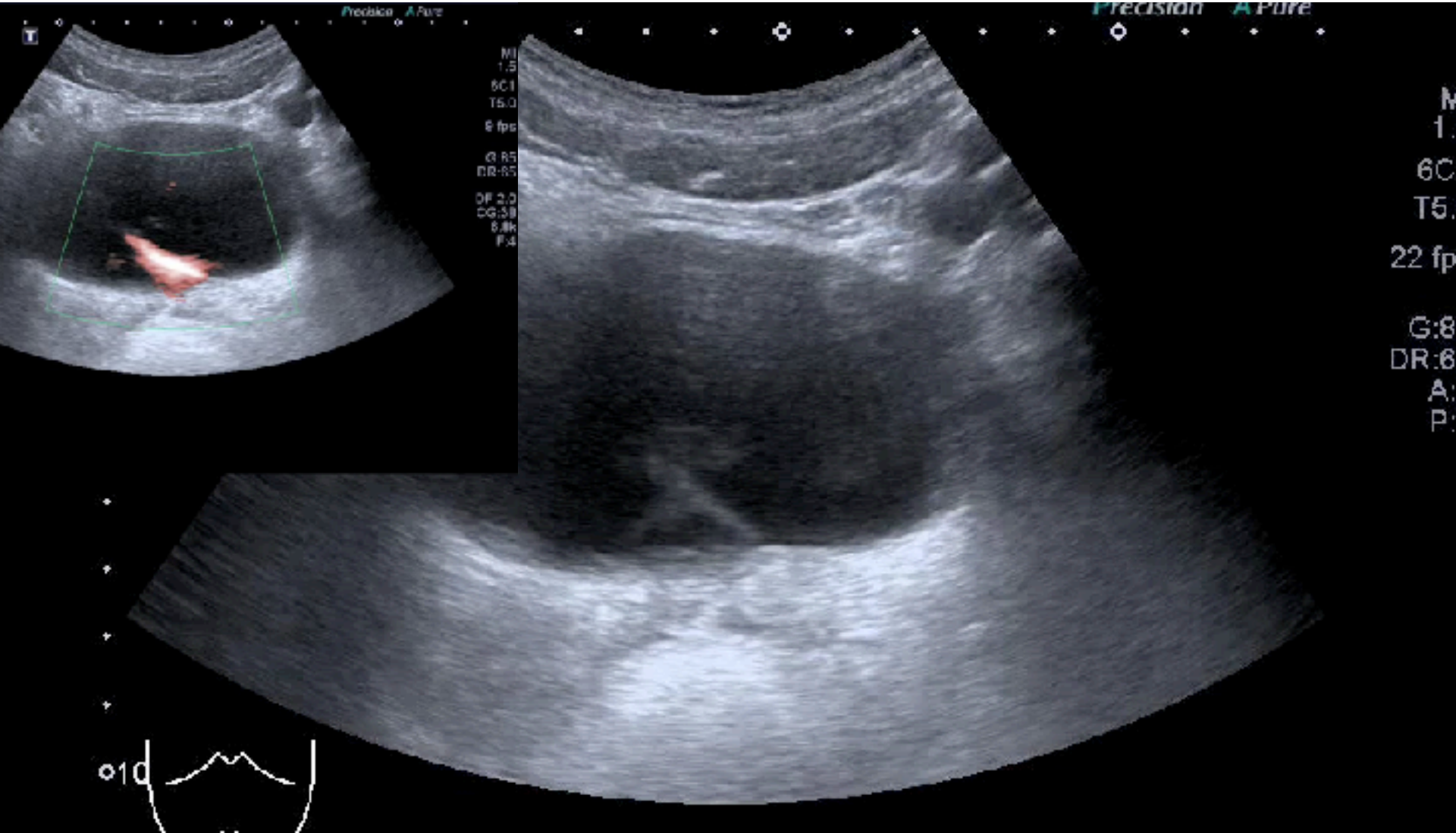


ULTRASOUND
PROGRAM

Indicate seminal vesicle

ULTRASOUND
PROGRAM

Urinary jet

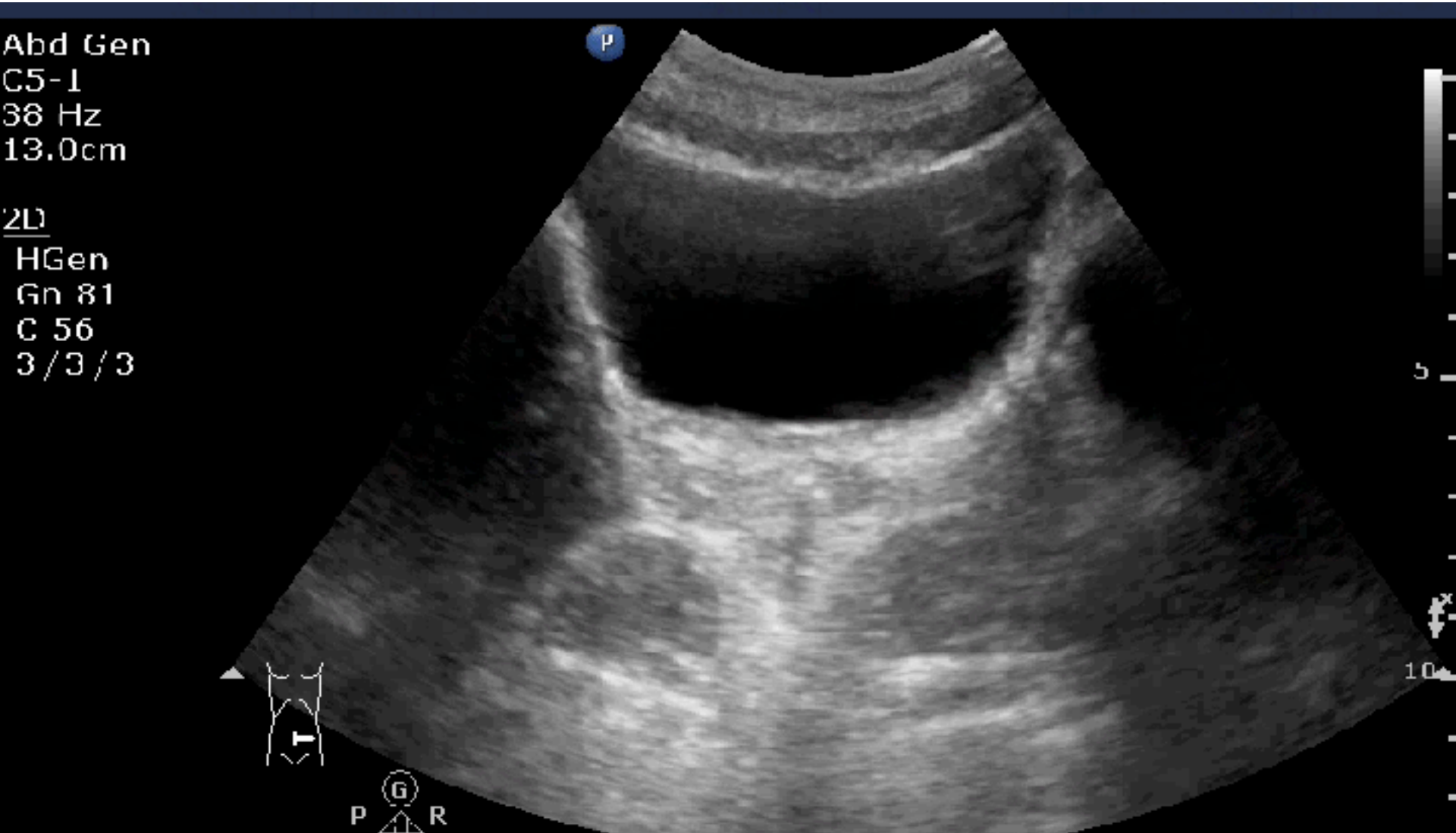


ULTRASOUND PROGRAM

IUP ?

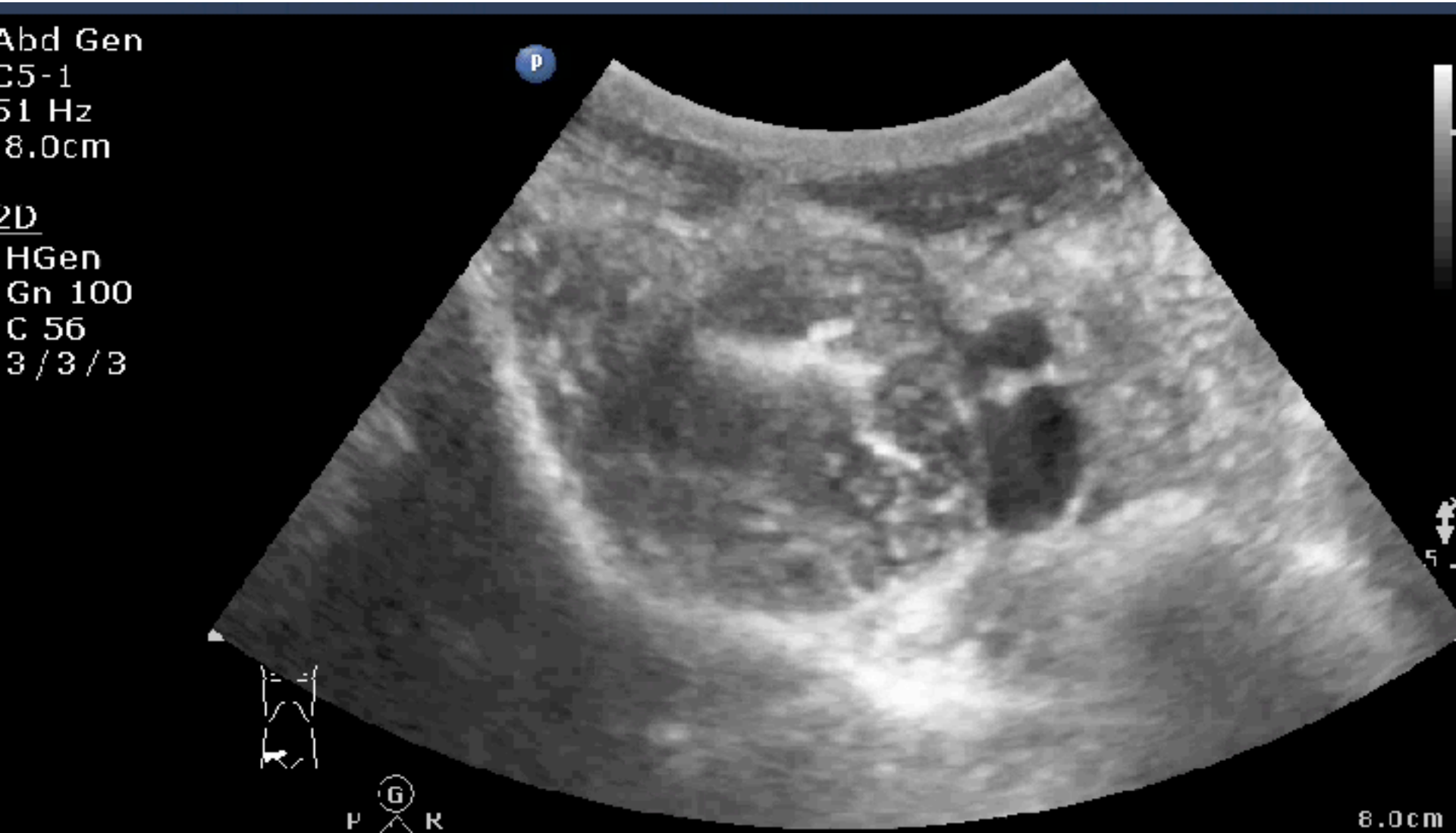
ULTRASOUND
PROGRAM

No. of visible ovary ?



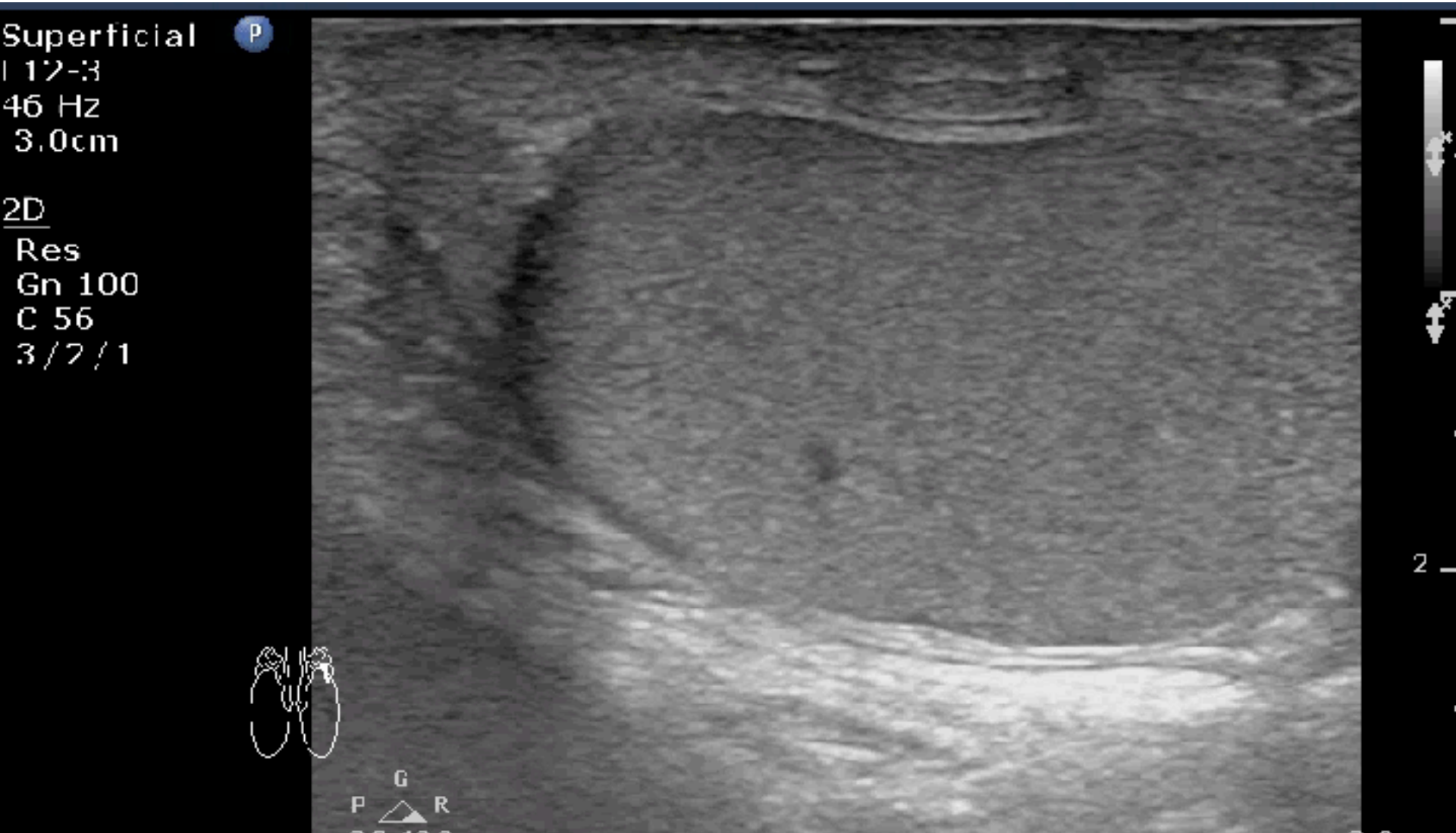
ULTRASOUND
PROGRAM

No. of muscles



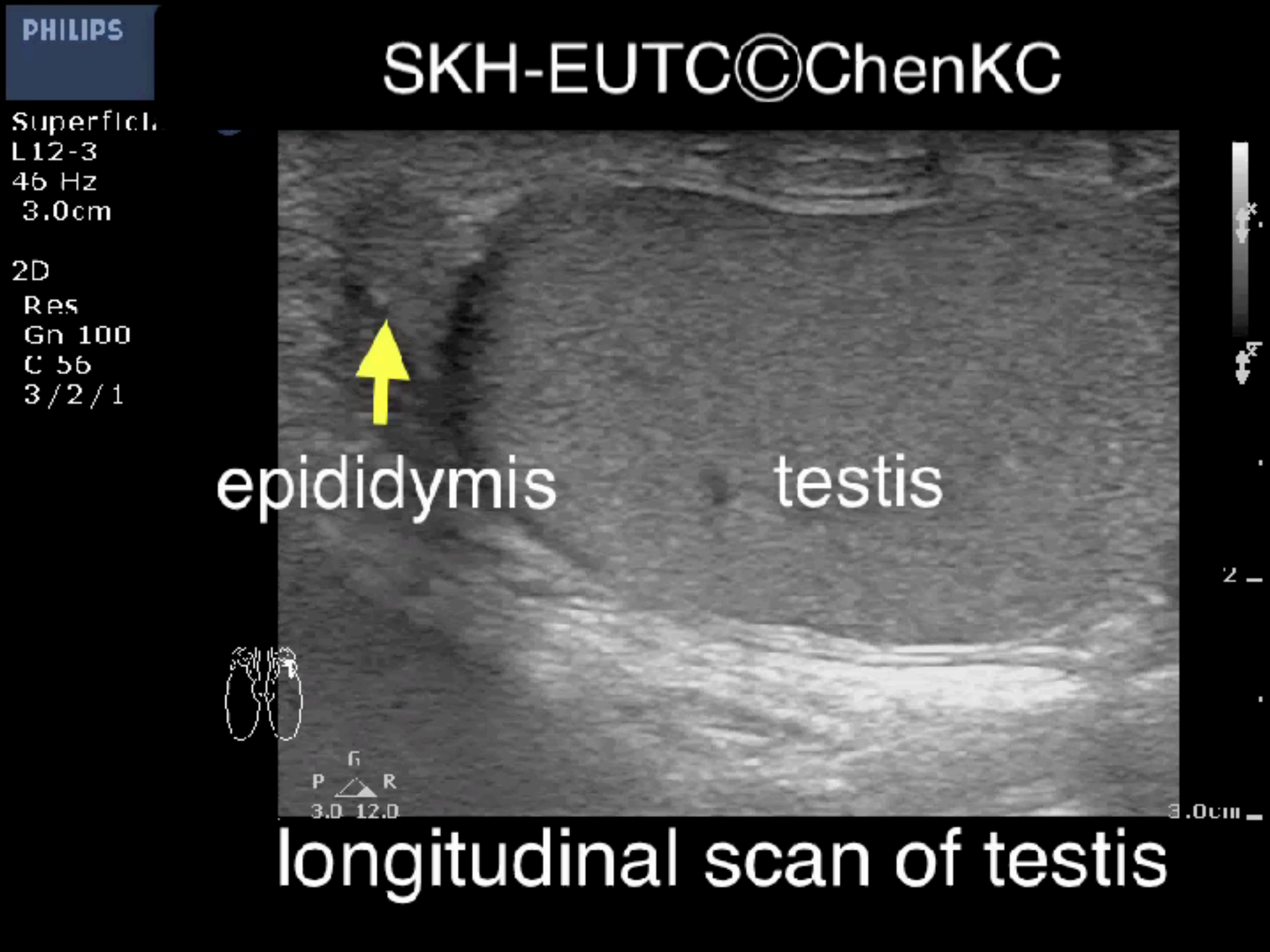
ULTRASOUND
PROGRAM

Indicate epididymis

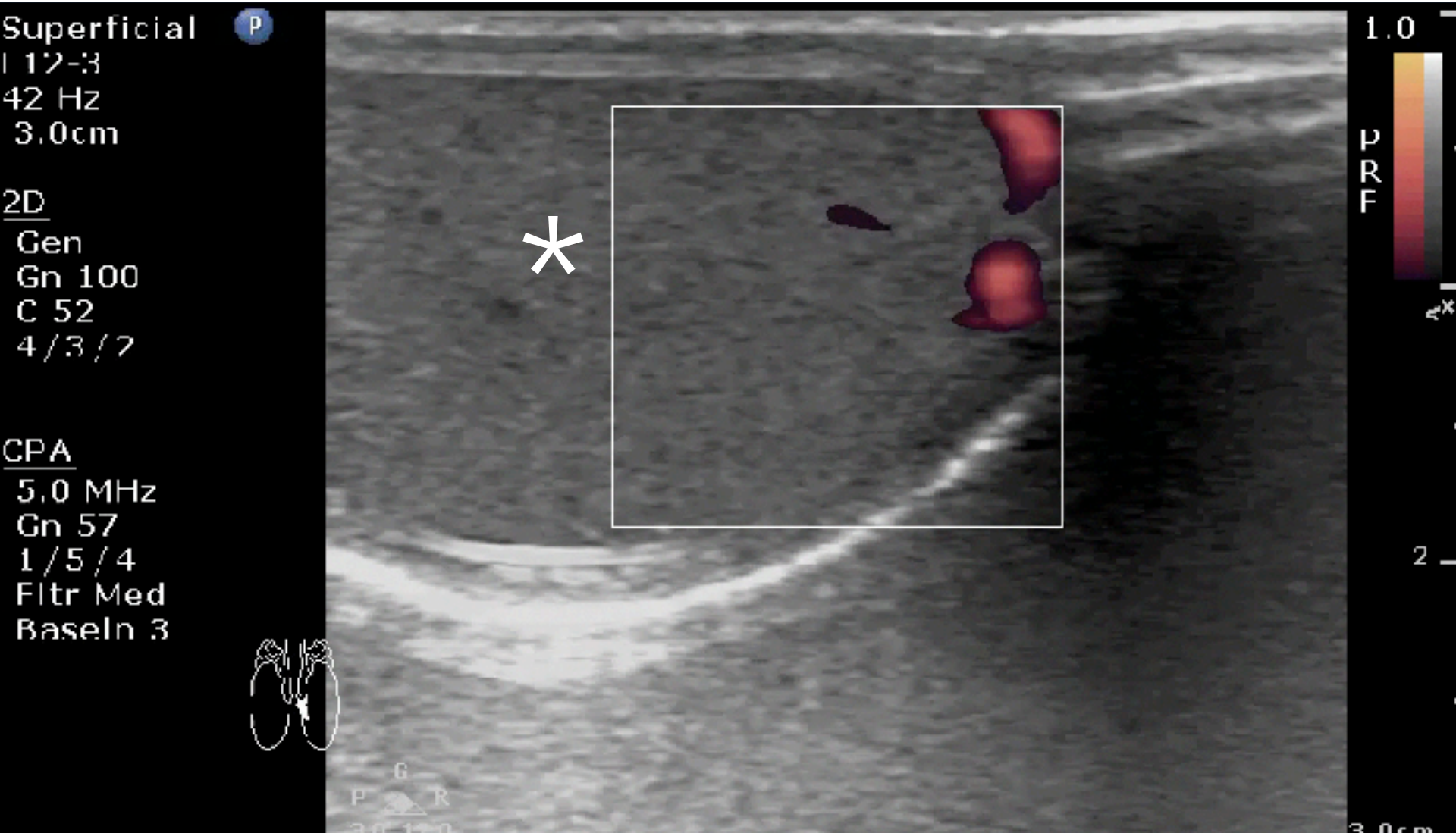


ULTRASOUND
PROGRAM

Epididymal cyst


PHILIPS
SKH-EUTC©ChenKC
L12-3
46 Hz
3.0cm
2D
Res
Gn 100
C 56
3/2/1
epididymis
testis
P
R
3.0 12.0
longitudinal scan of testis

Testis mediastinum

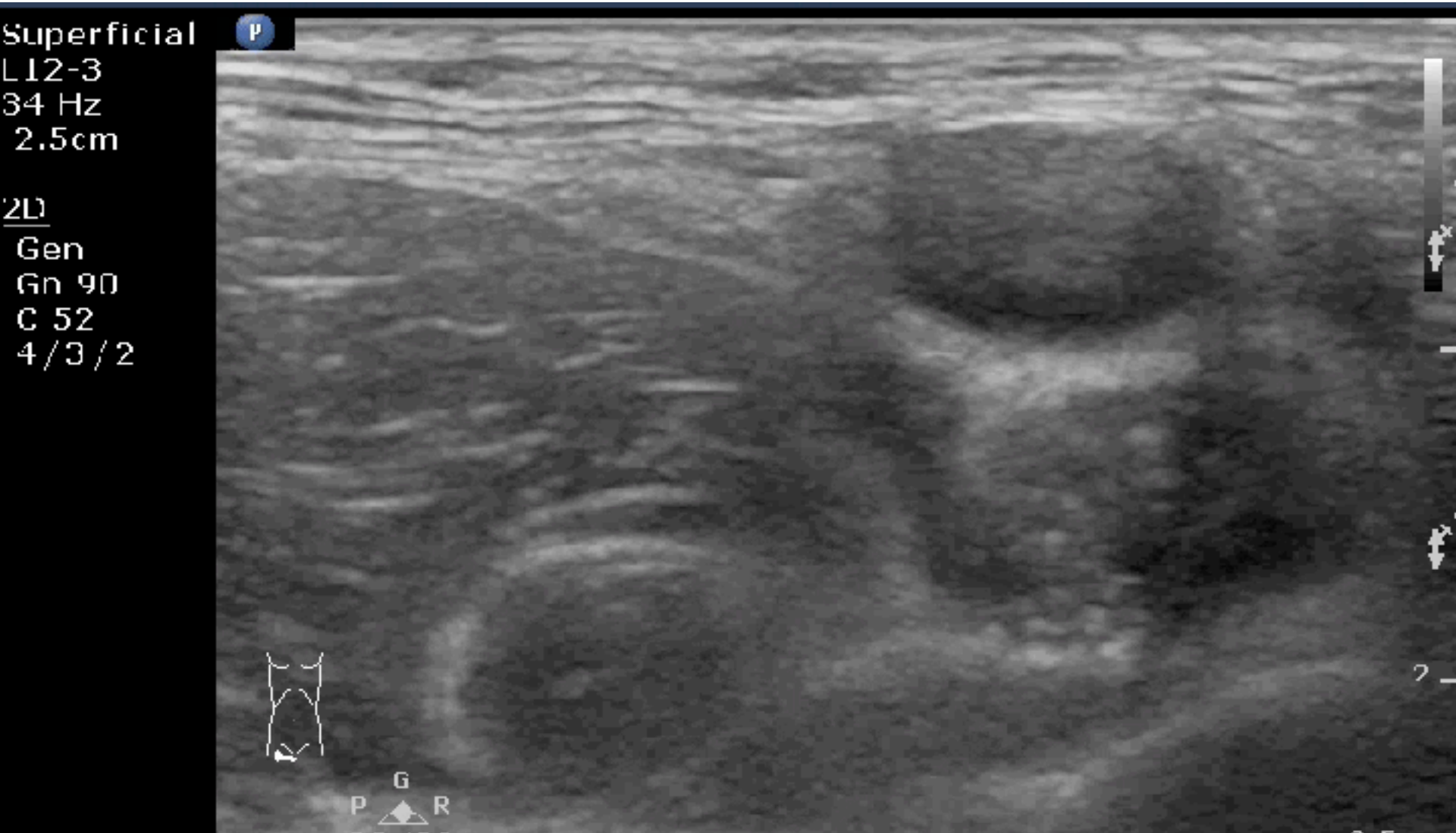


ULTRASOUND
PROGRAM

Level of compression

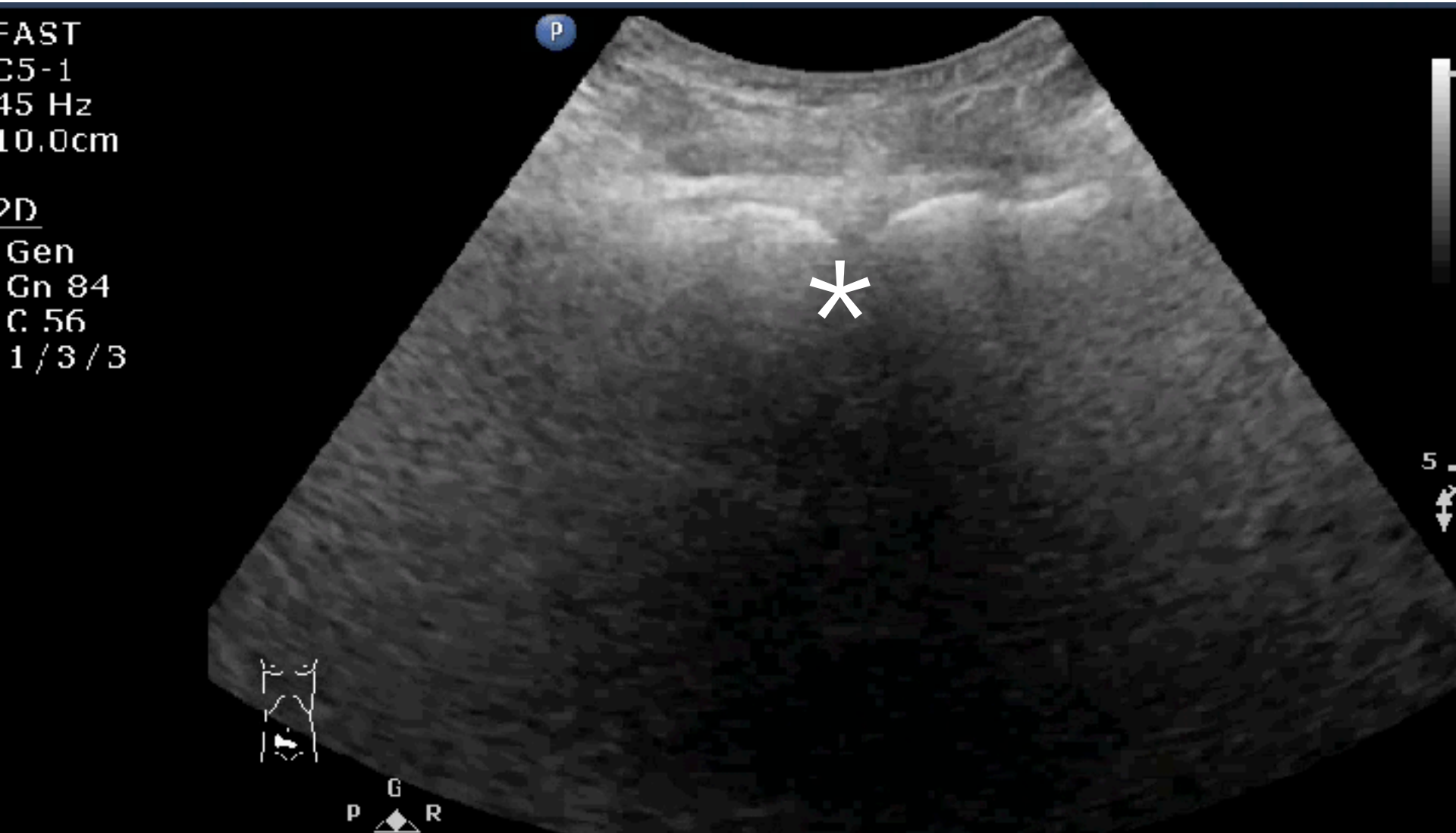
ULTRASOUND
PROGRAM

Indicate femoral nerve



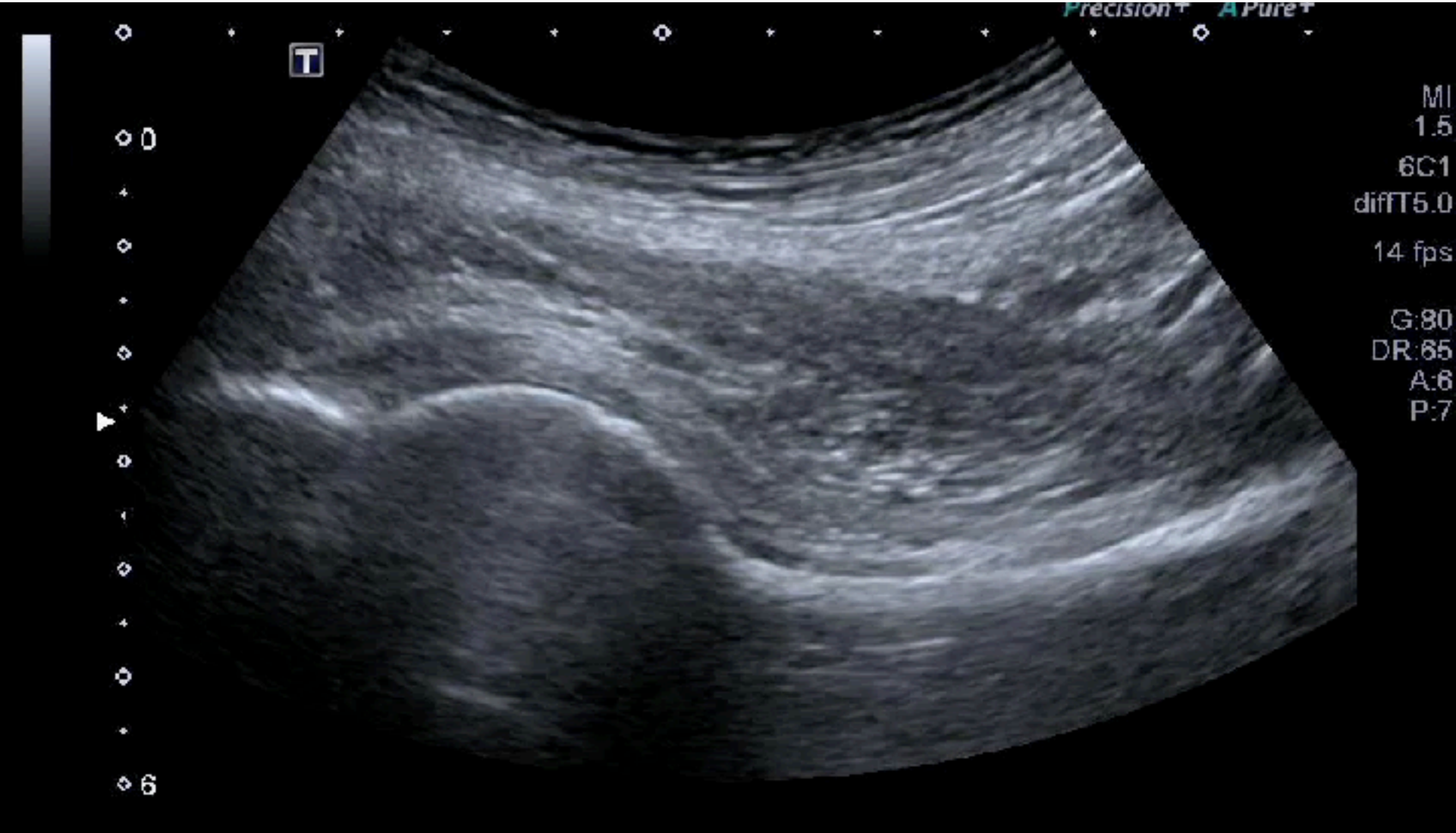
ULTRASOUND
PROGRAM

Pubic symphysis



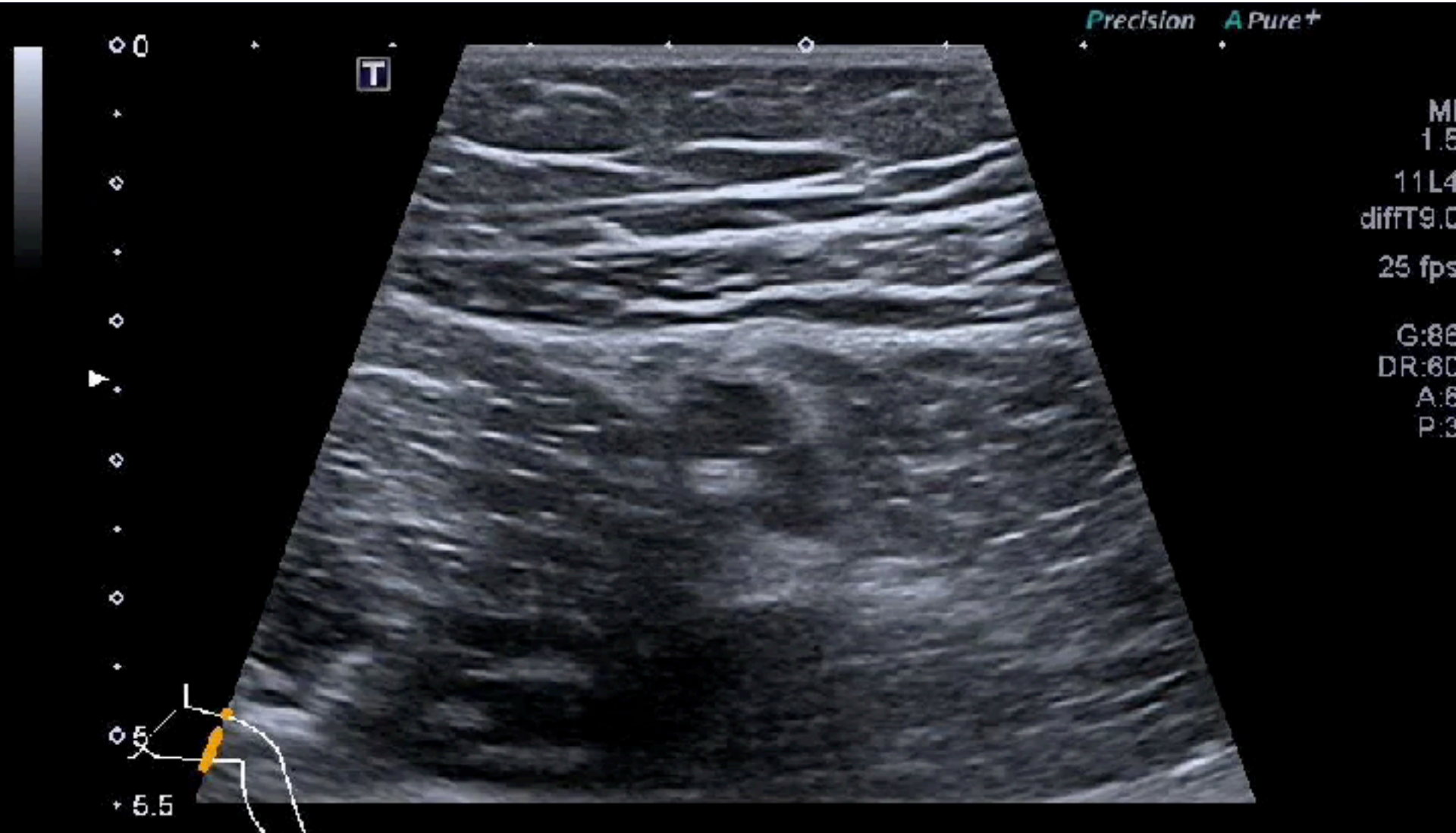
ULTRASOUND
PROGRAM

Name of the joint



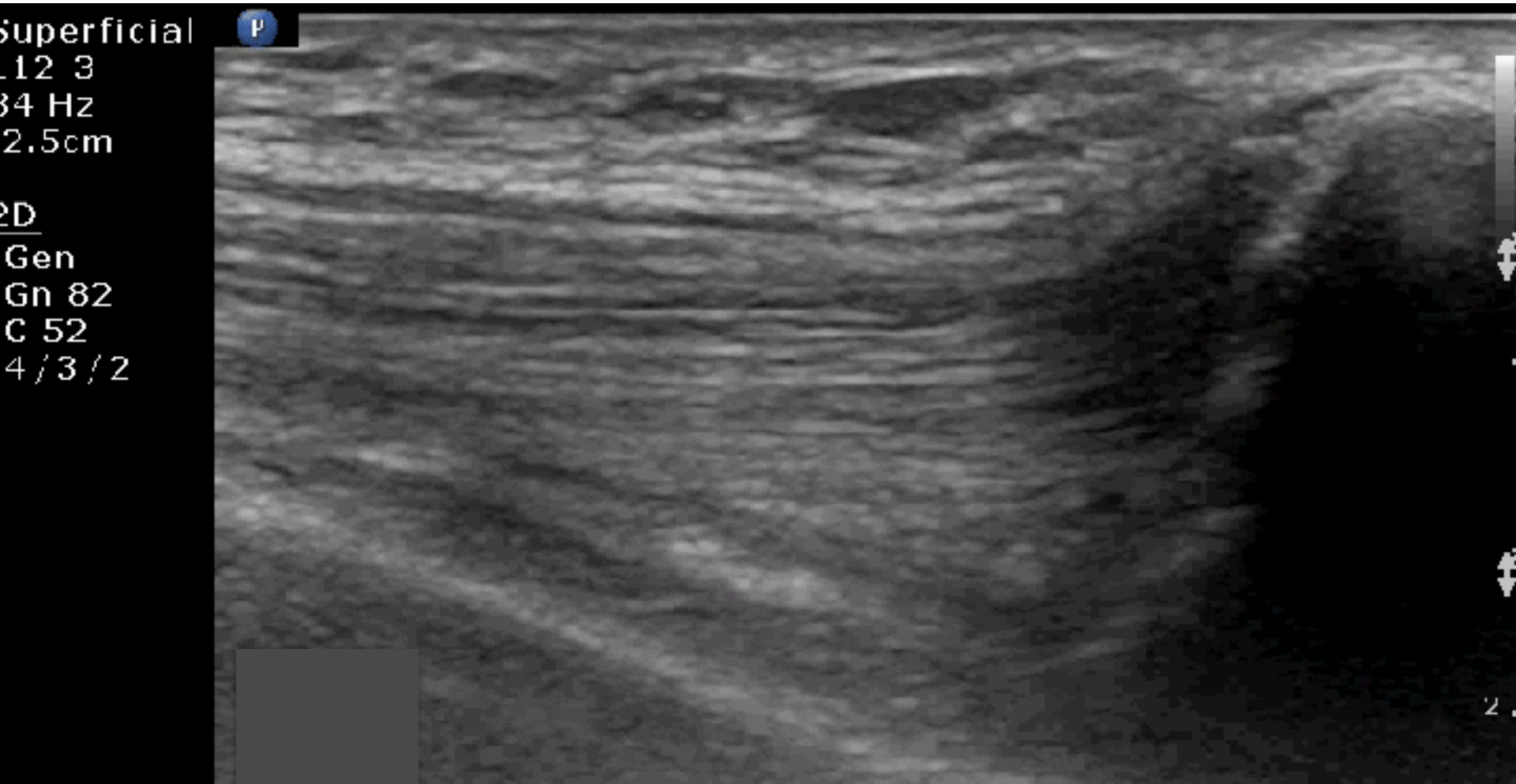
ULTRASOUND
PROGRAM

Name of the canal



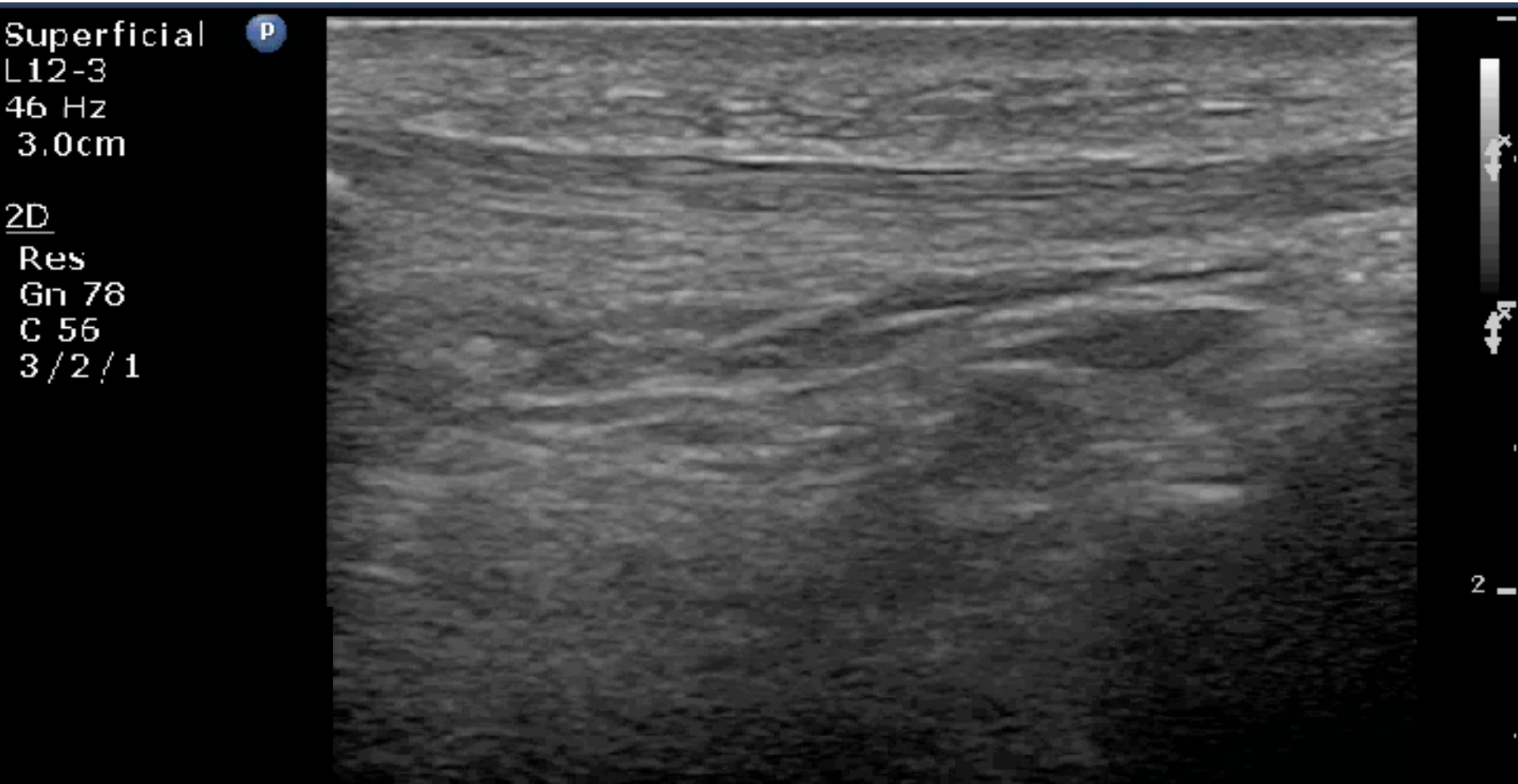
ULTRASOUND
PROGRAM

Name of the joint



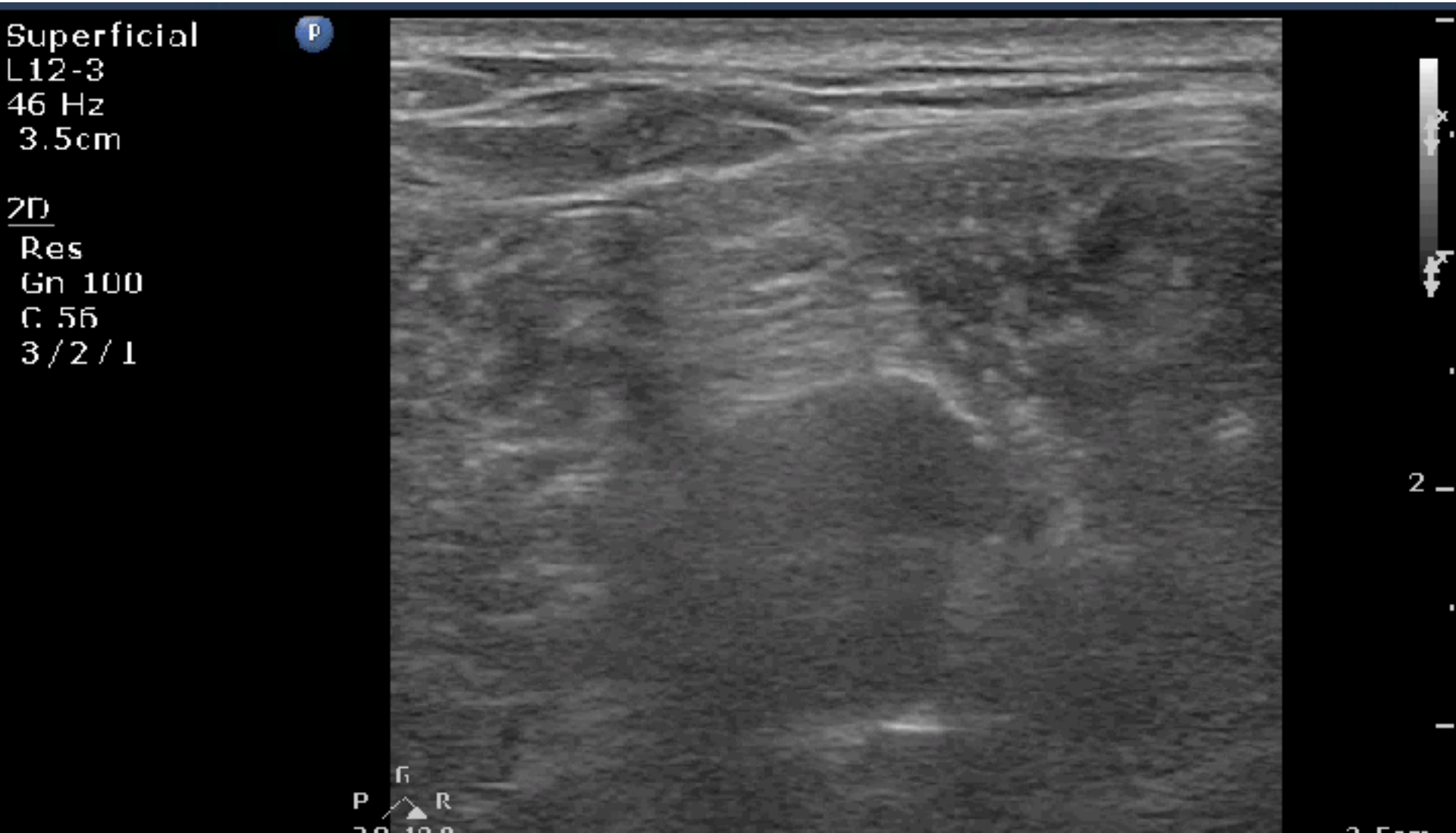
ULTRASOUND PROGRAM

Name of the tendon



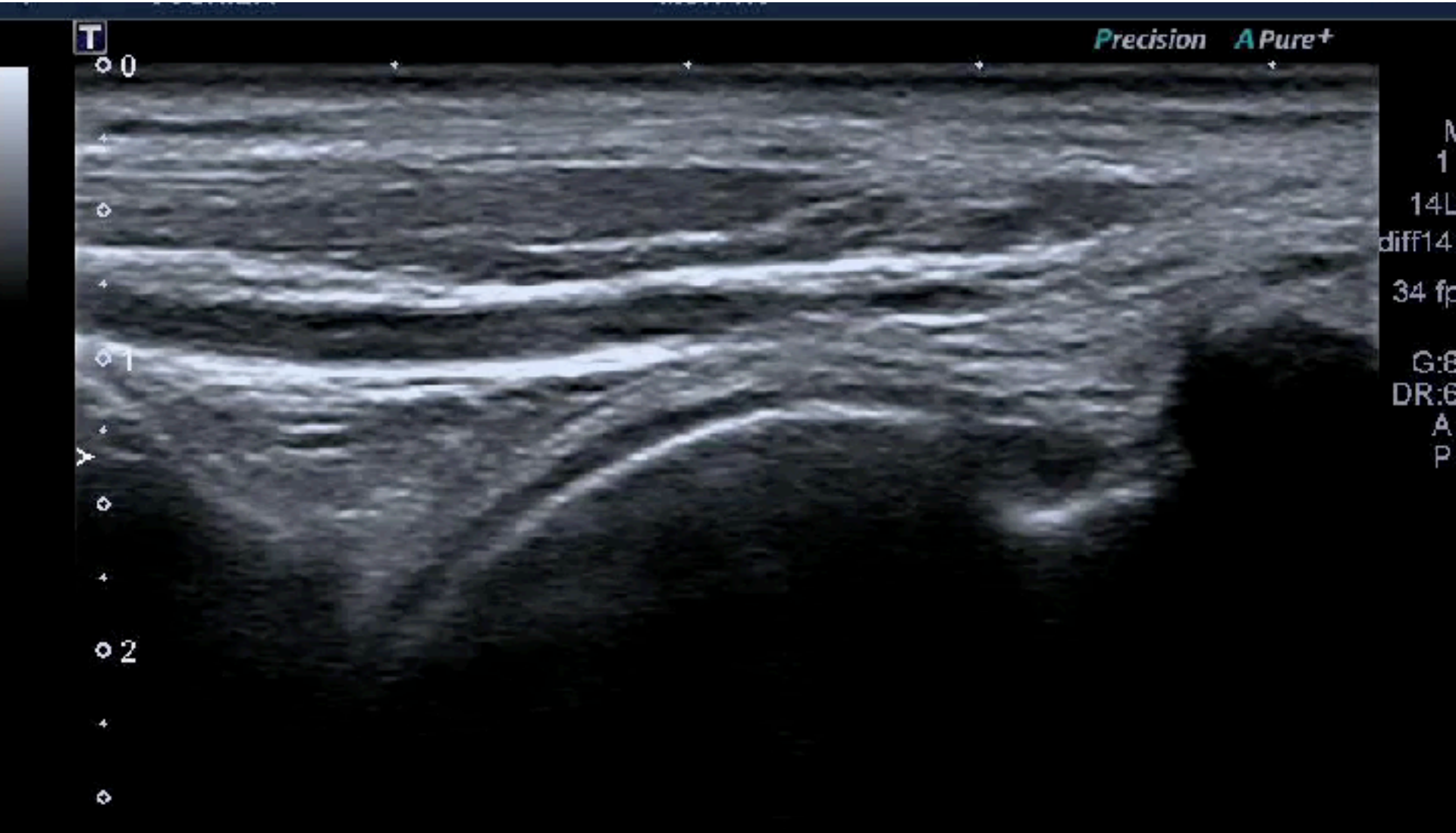
ULTRASOUND
PROGRAM

Level of compression

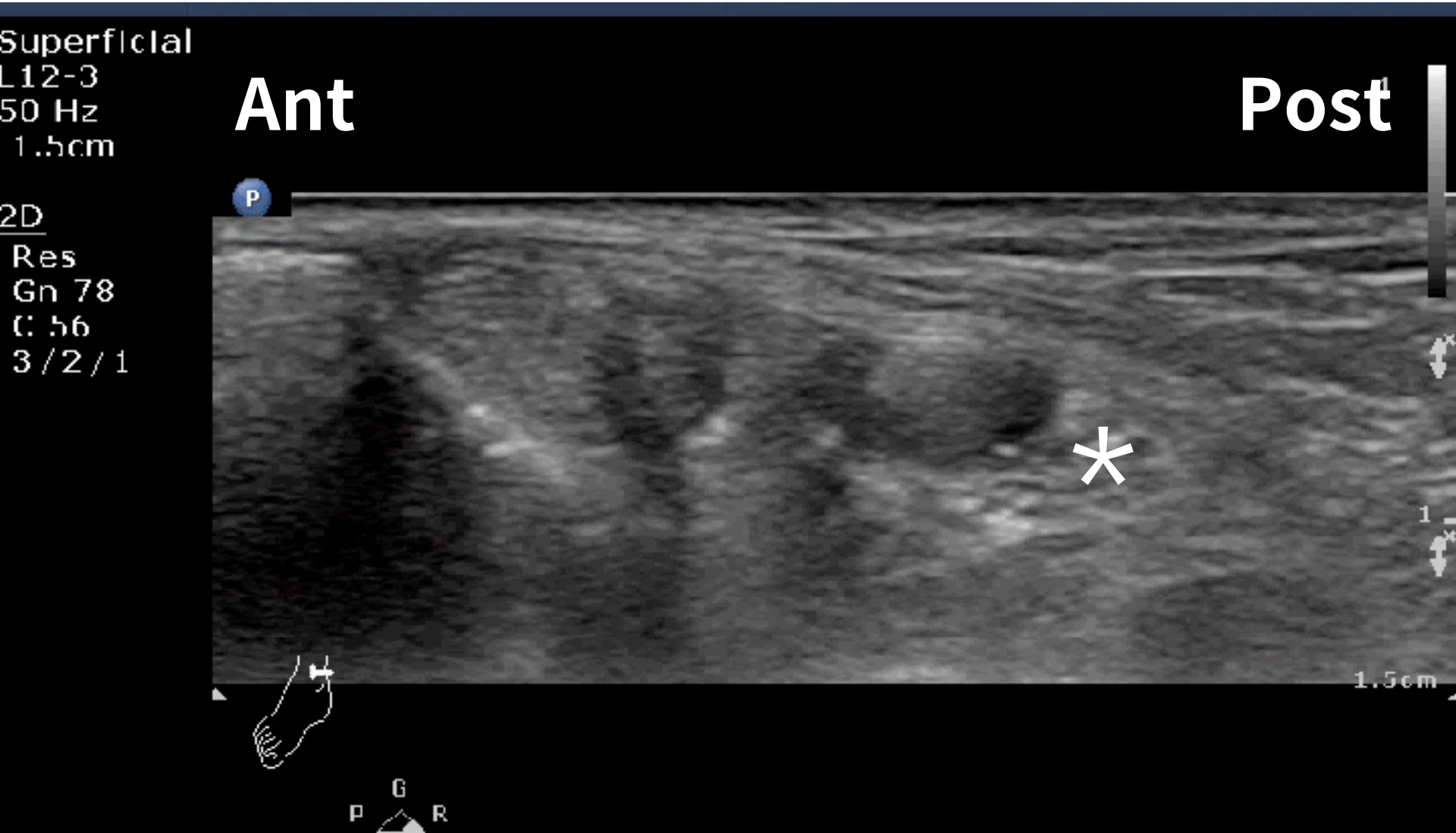


ULTRASOUND
PROGRAM

Name of the artery

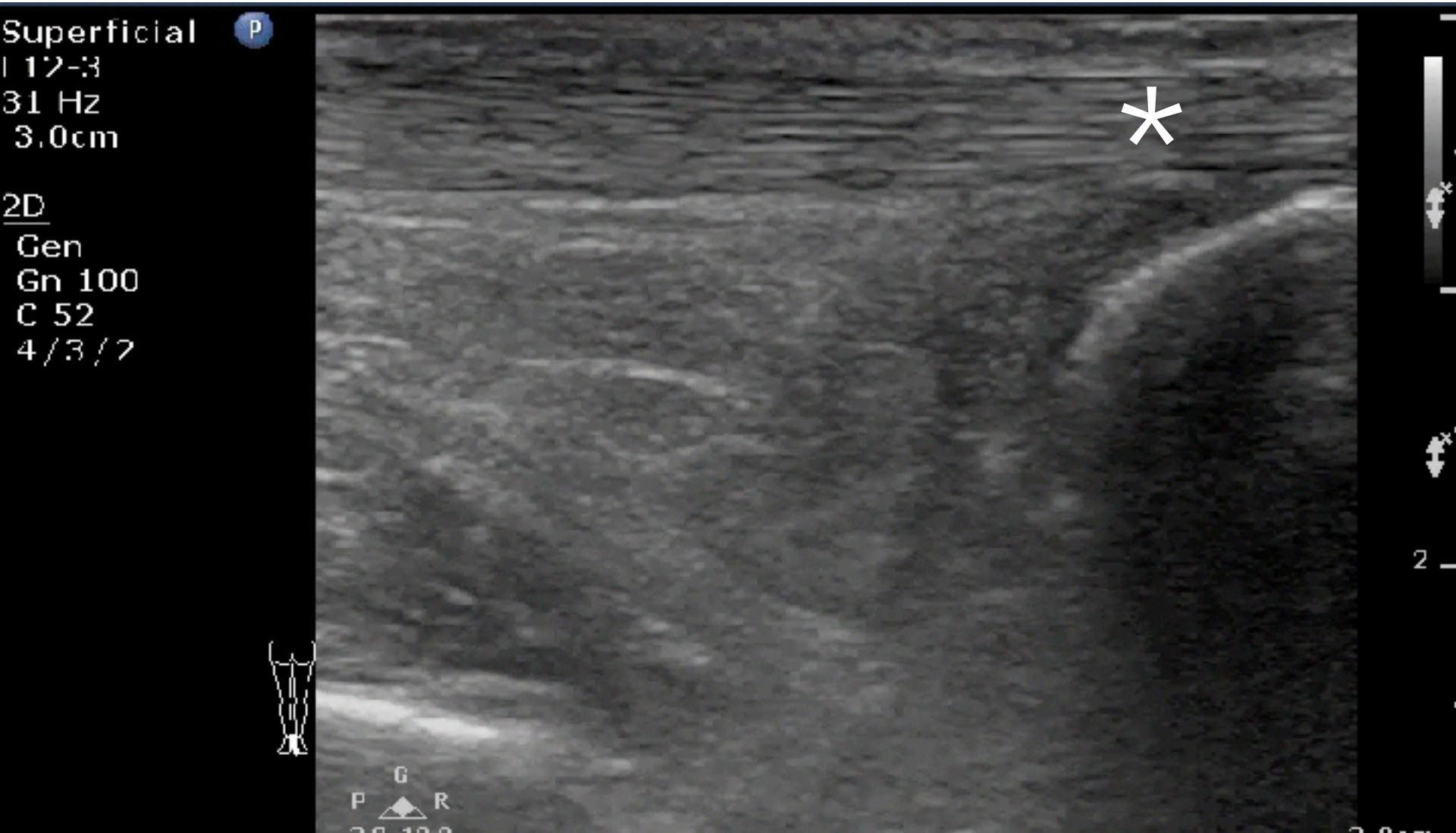


Tom, Dick and Very Nervous Harry



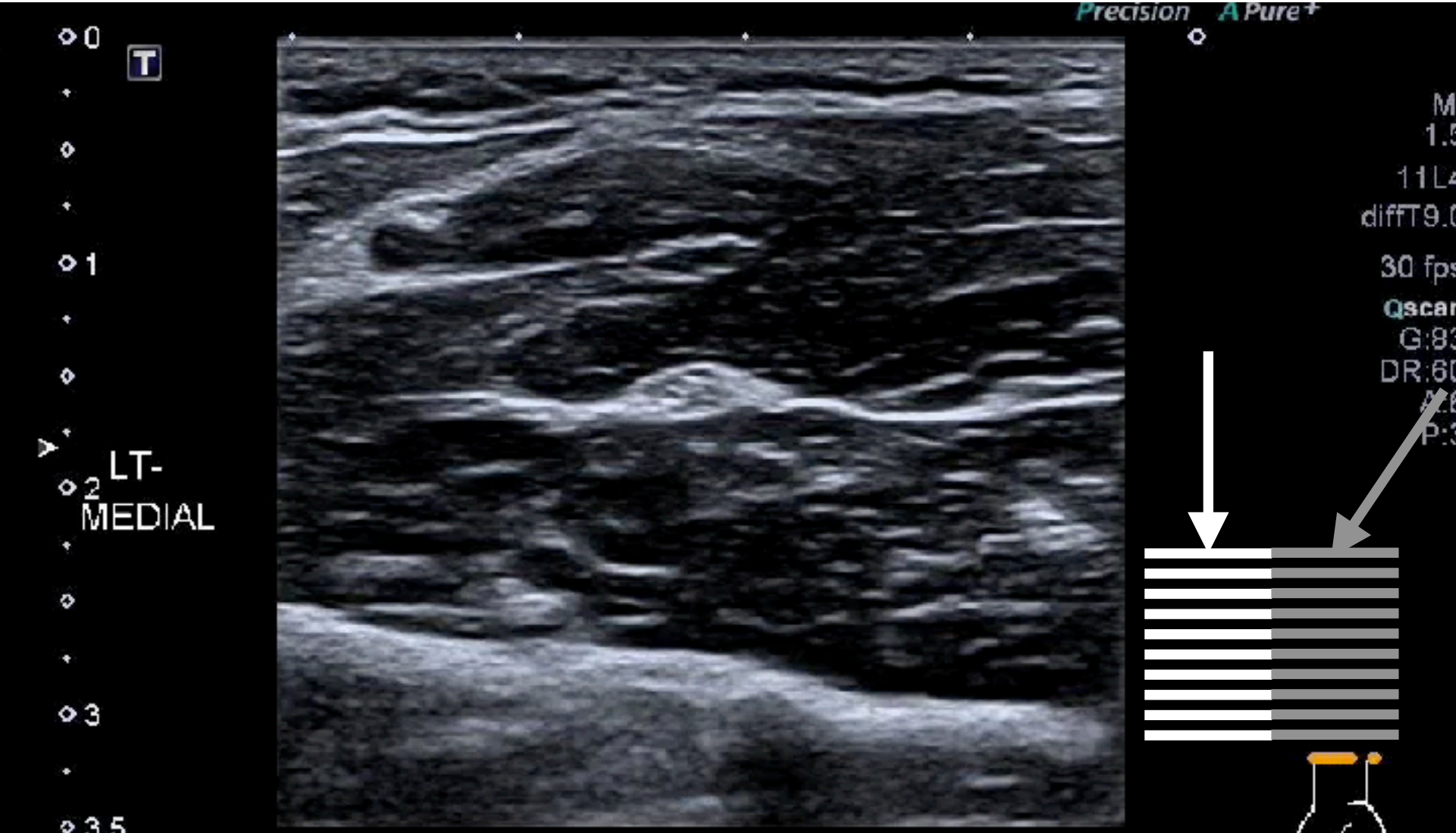
ULTRASOUND PROGRAM

Heel scan



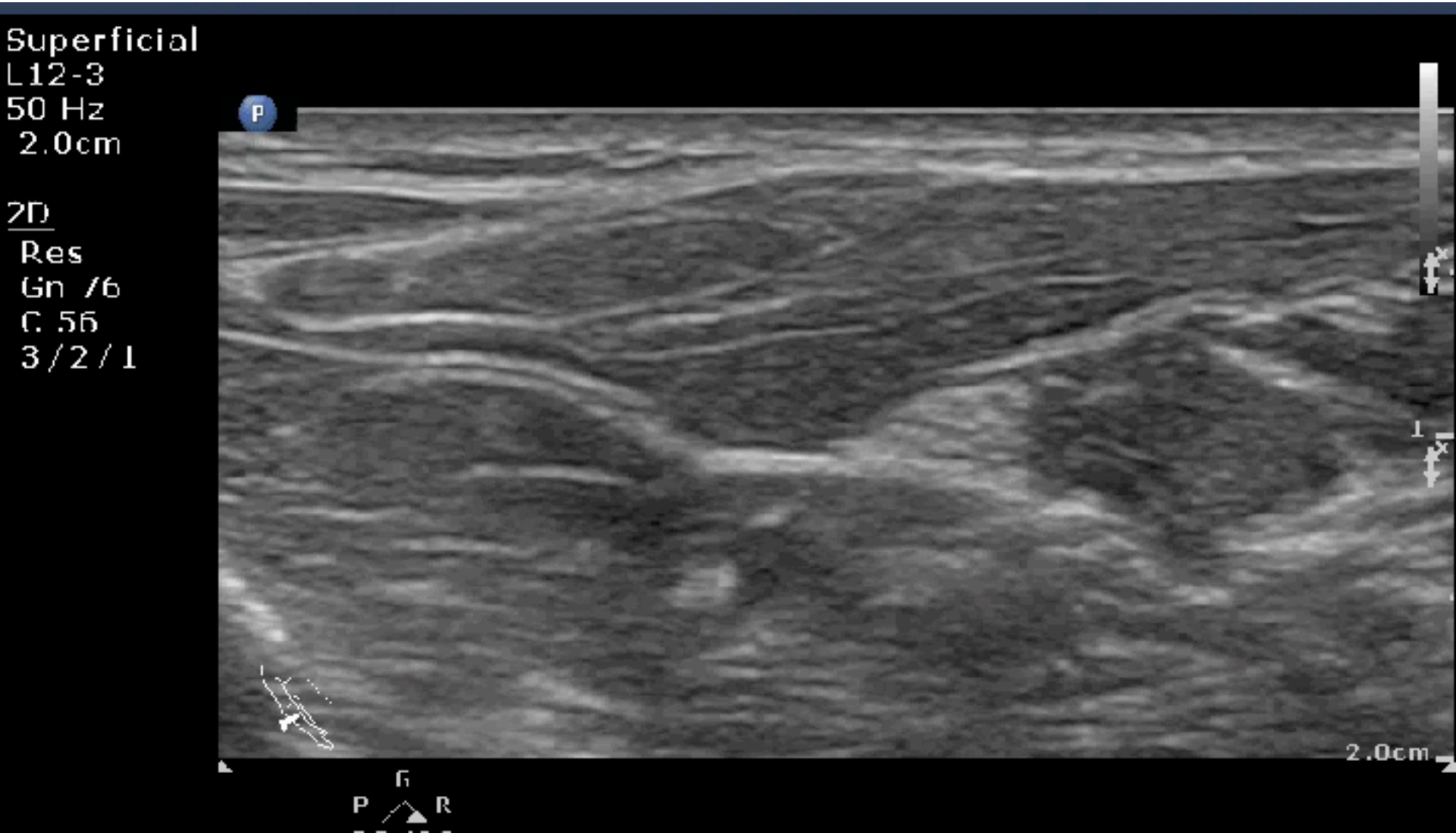
ULTRASOUND PROGRAM

Anisotropy



ULTRASOUND
PROGRAM

Indicate median nerve



ULTRASOUND
PROGRAM

No. of joint