

Ultra-sonografia do Trato Urinário

Avaliação de Rins, Ureteres,
Bexiga Urinária e Uretra.

Ultra-sonografia - Rins

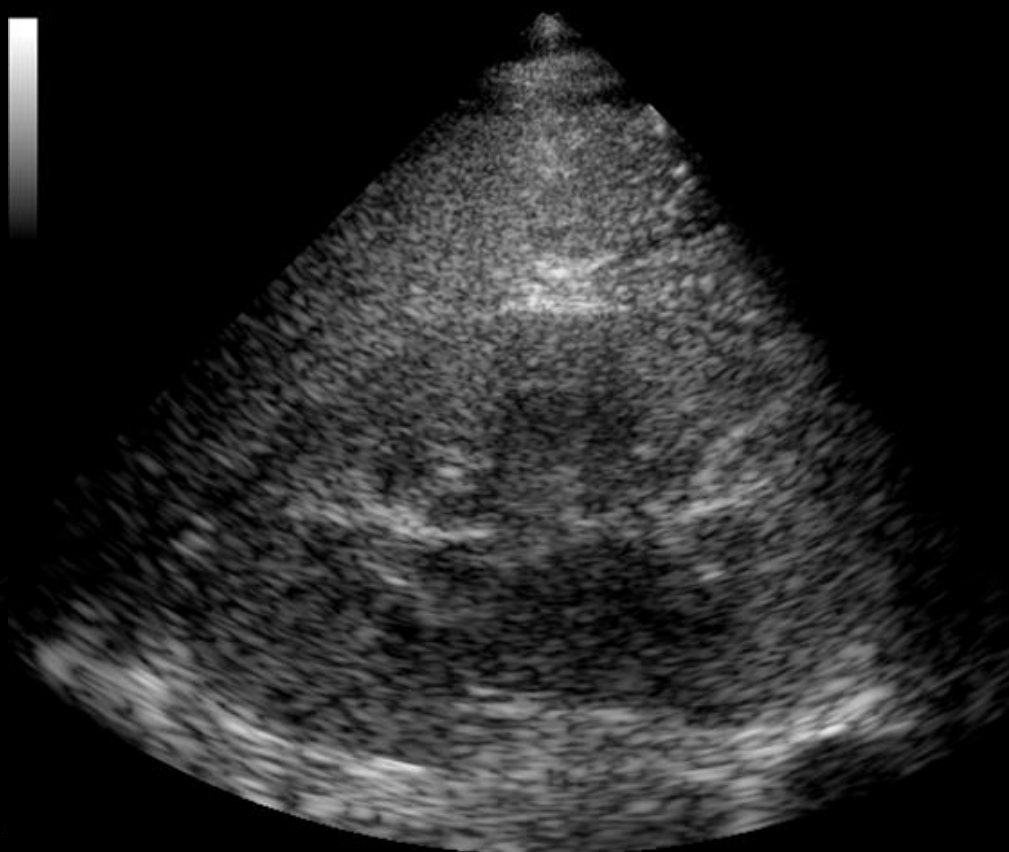
INFORMAÇÕES OBTIDAS AO EXAME

- Número;
- Dimensões;
- Contornos;
- Arquitetura interna (região cortical, medular e pelve);
- Ecogenicidade.



F 3.5 MHz G 52%
D 27 CM
PRC 9-2-H PRS 3
PST 4

3.5 MHz G 52%
17 CM
9-3-H PRS 4
3

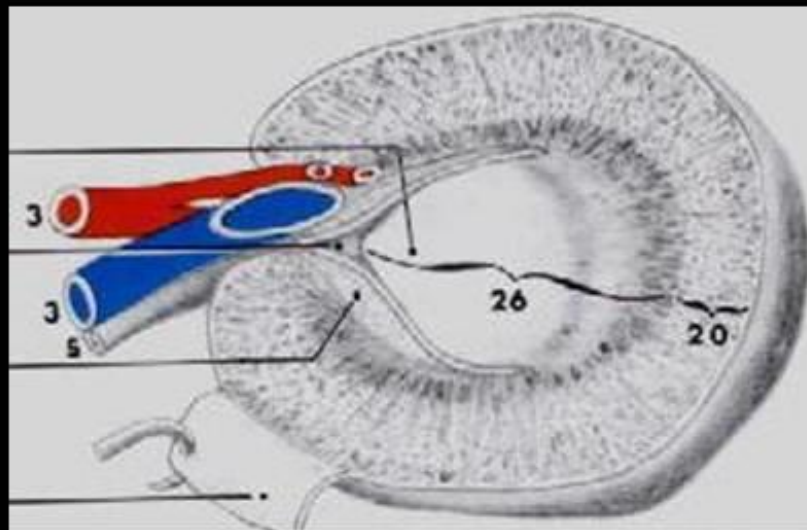
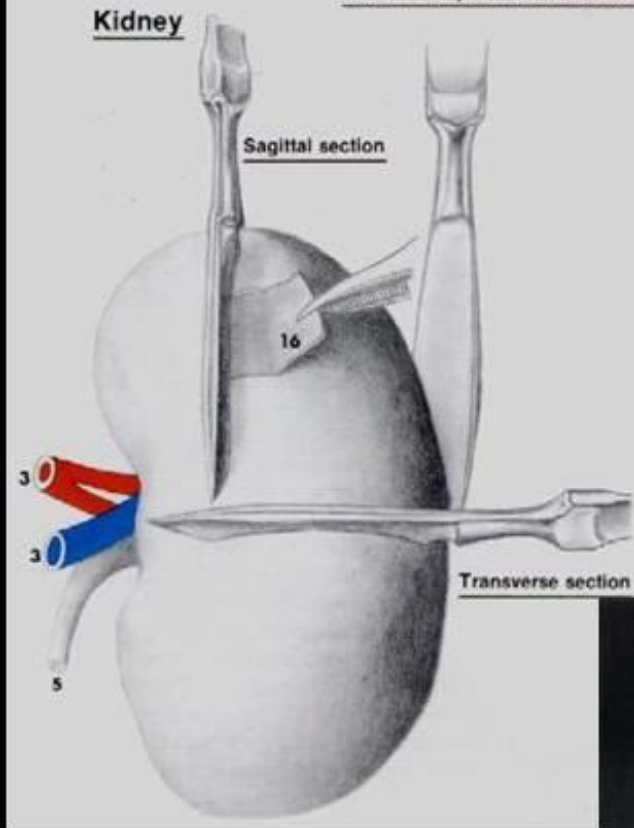


Median and paramedian sections

Kidney

Sagittal section

Transverse section

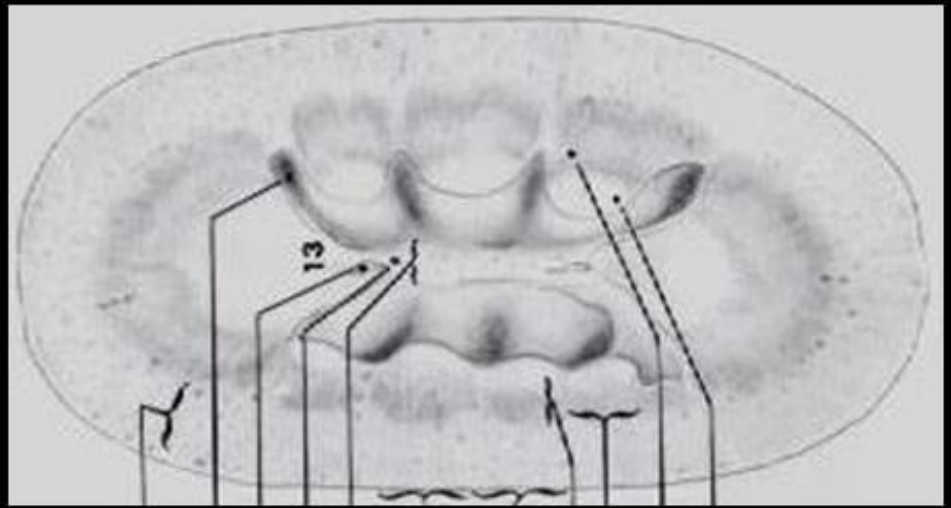
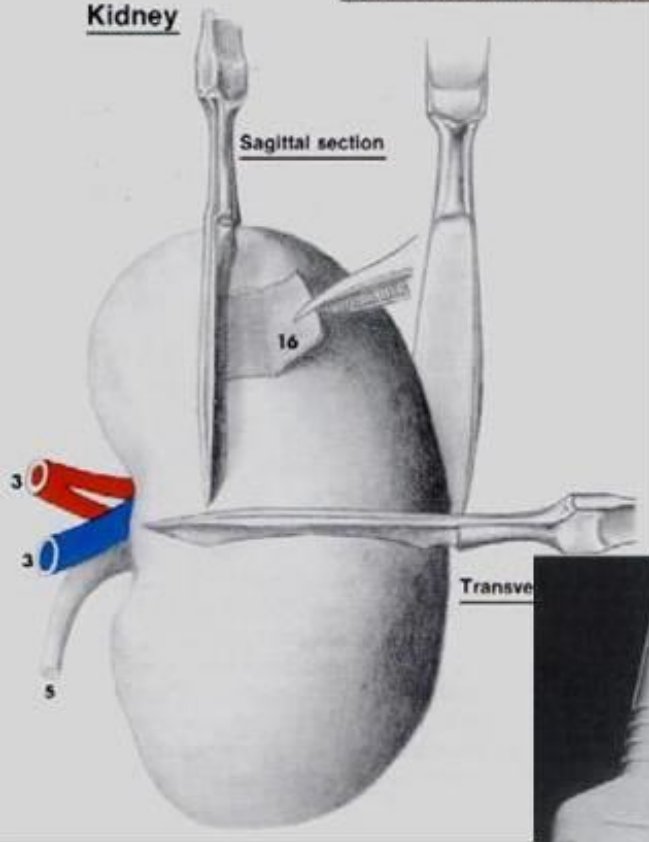


Secção transversa



Median and paramedian sections

Kidney



Secção Coronal Dorsal

c

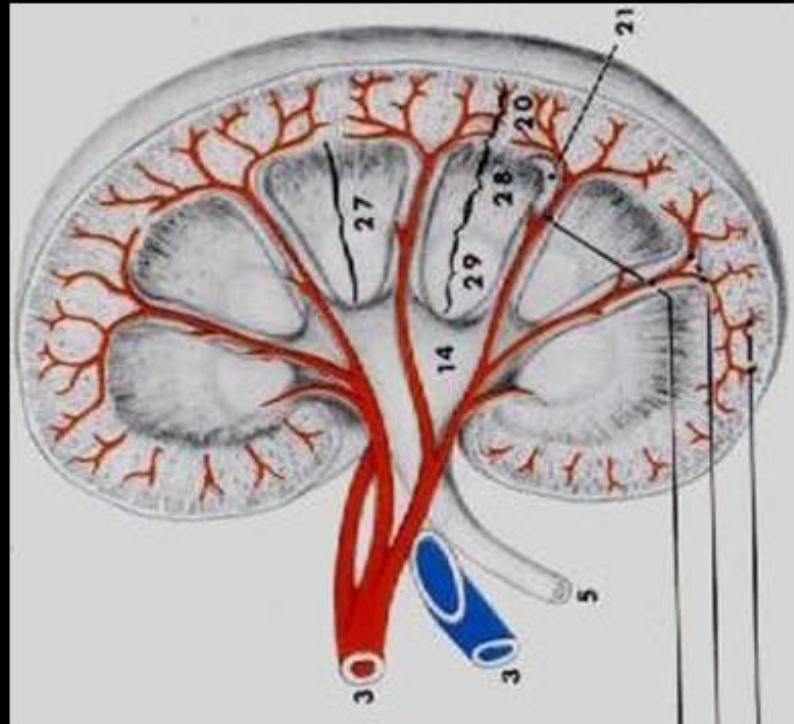
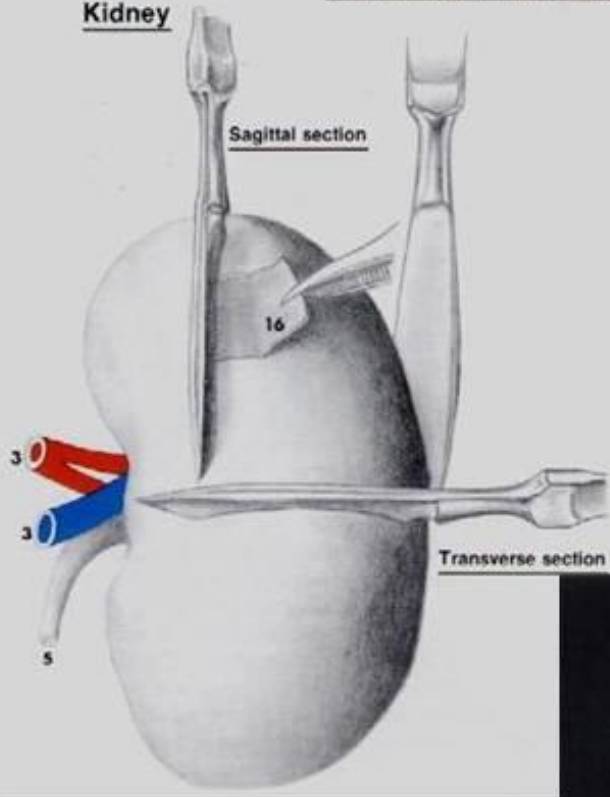
B

Median and paramedian sections

Kidney

Sagittal section

Transverse section



Secção sagital,
paramediana

D

R

Ultra-sonografia - Rins

ALTERAÇÕES

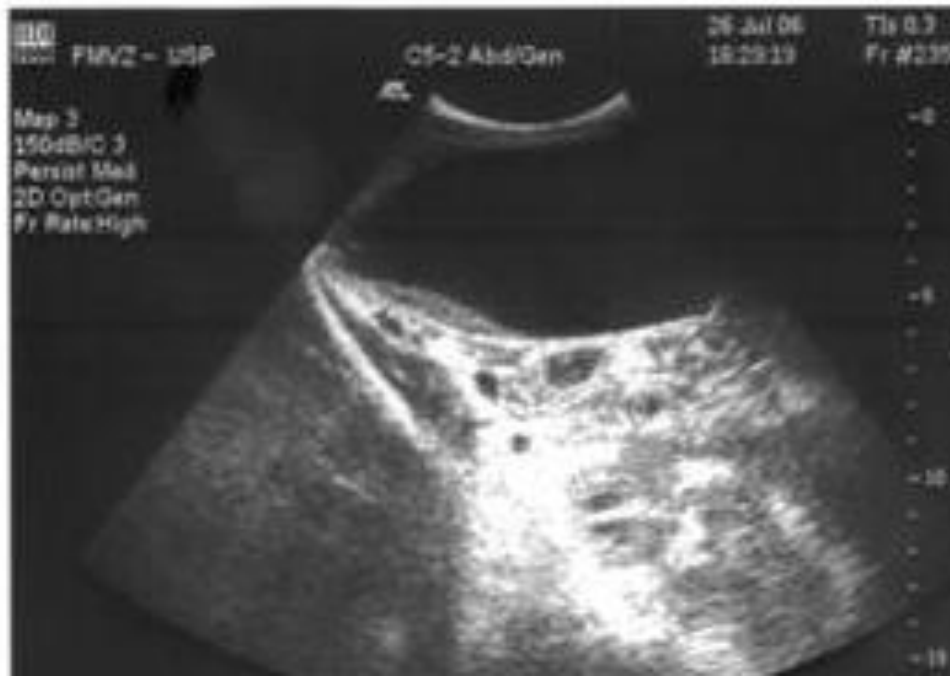
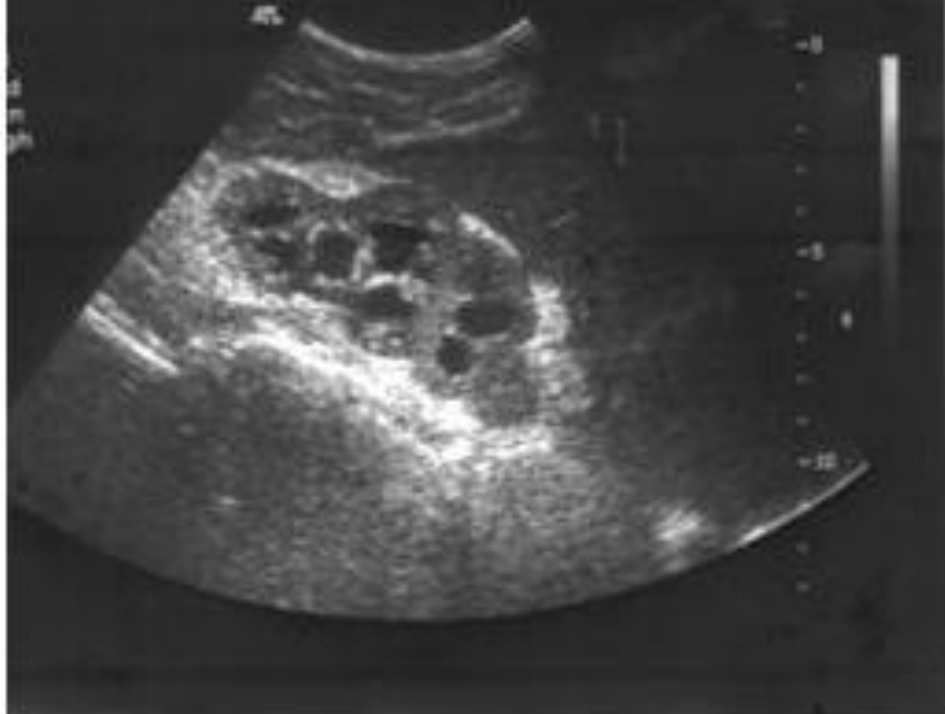
Alterações difusas do parênquima renal:

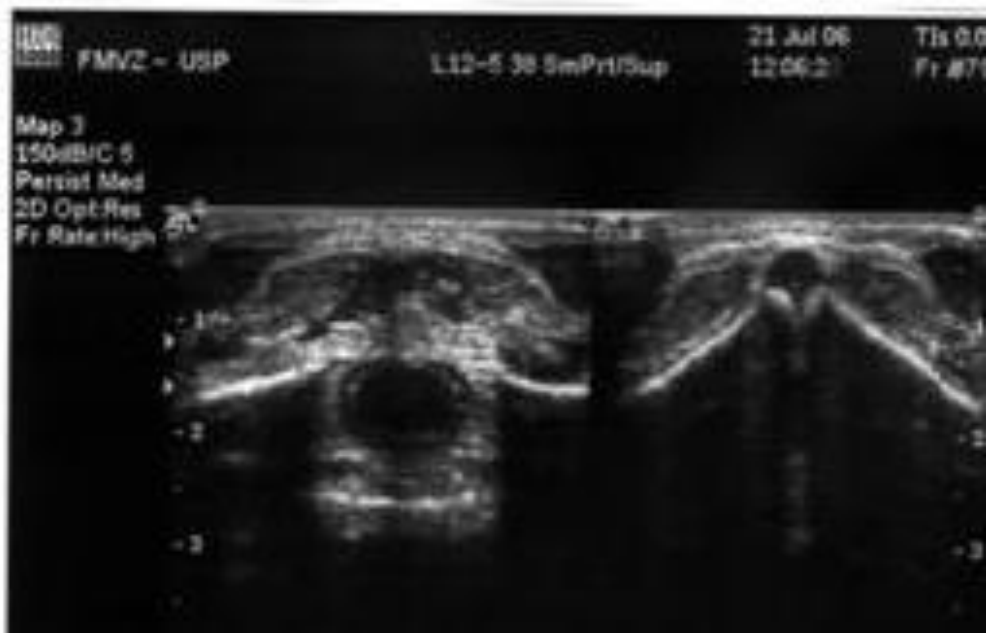
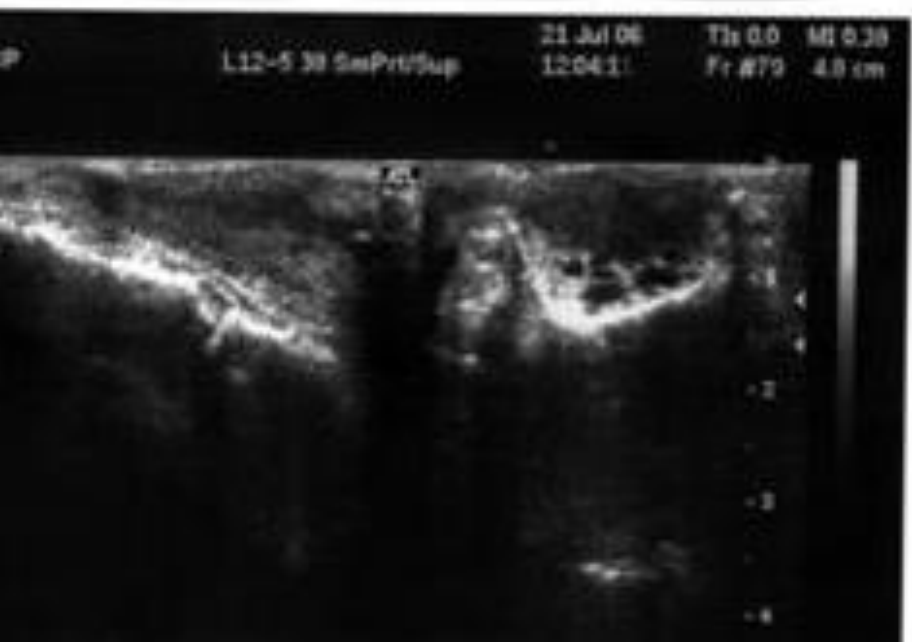
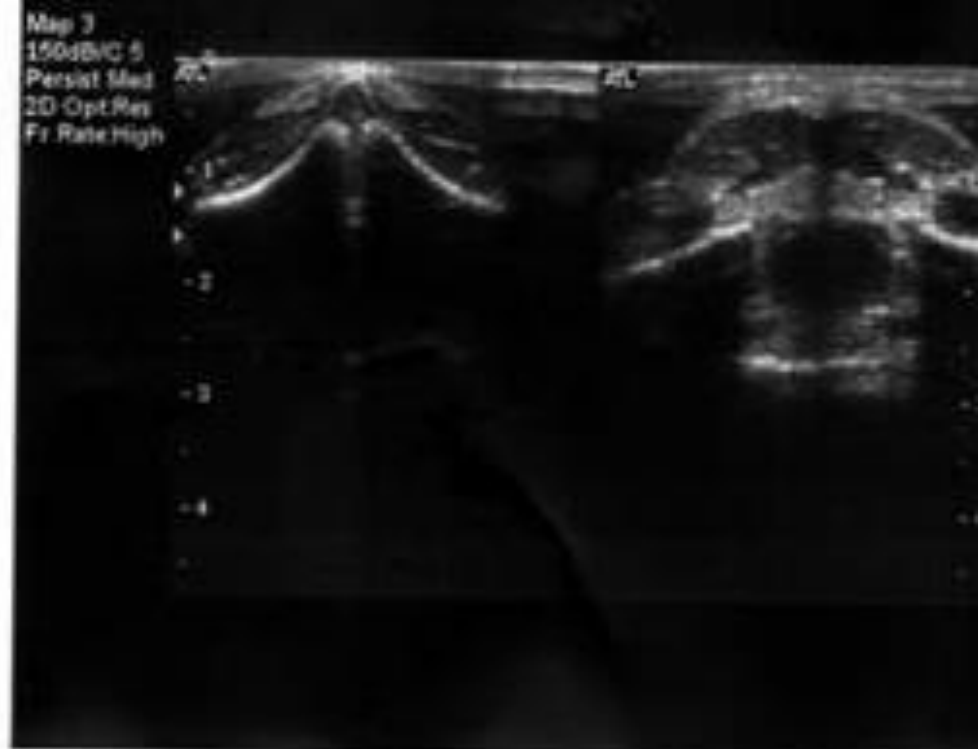
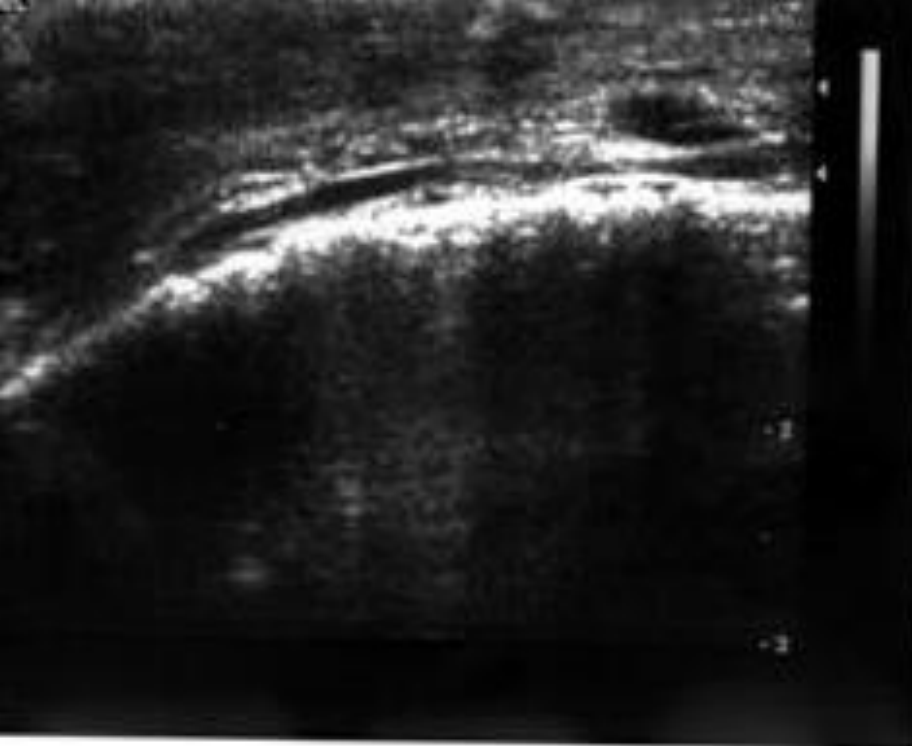
- Aumento de ecogenicidade cortical;
- Doenças parasitárias (*Dioctophyma renale*).

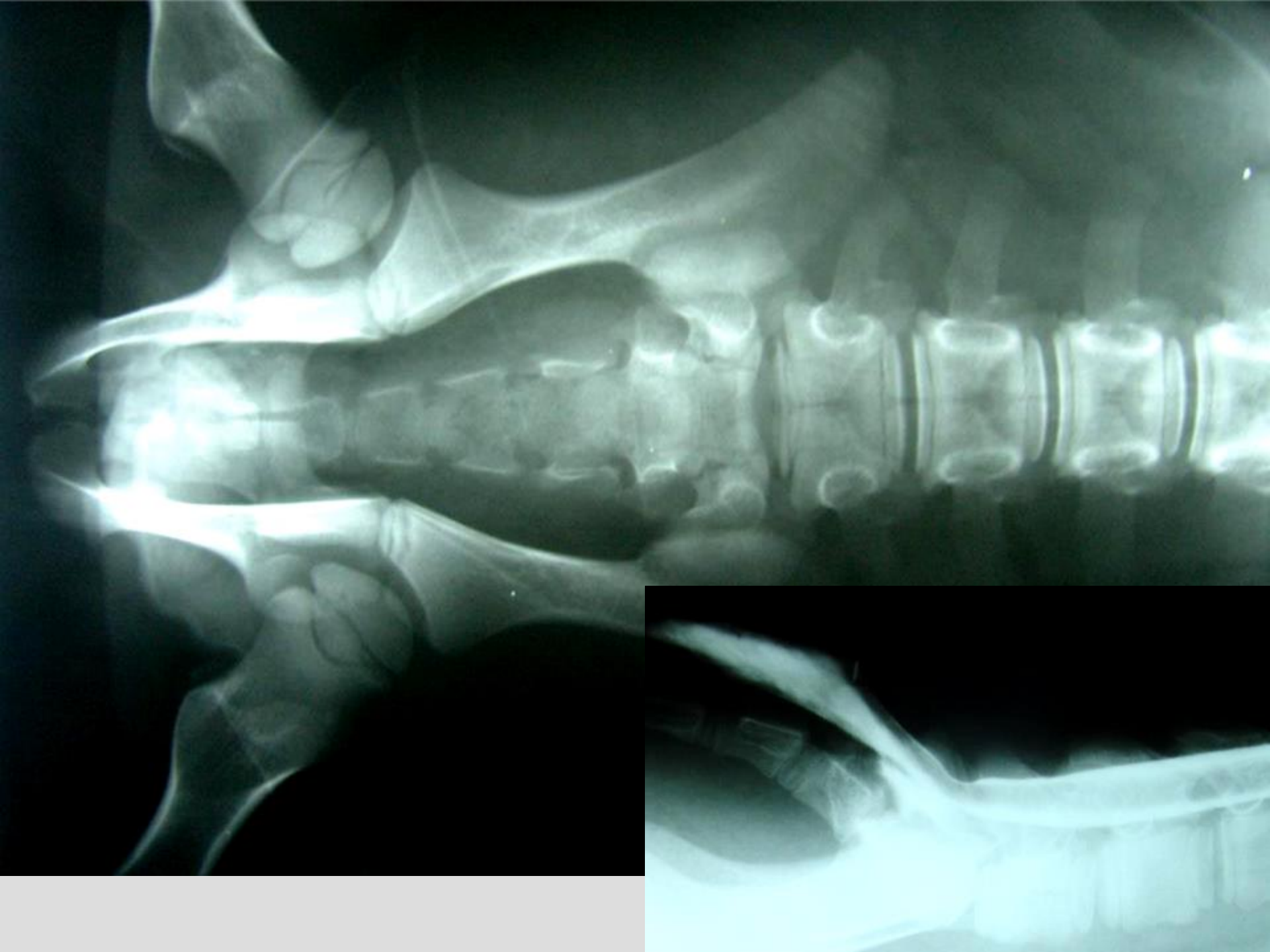
Alterações focais:

- Cisto renal;
- Pseudocisto perinéfrico;
- Fluido subcapsular;
- Massas complexas;
- Neoplasias renais.









Técnica Radiográfica

- **Radiografia Simples**
- **Radiografia Contrastada**
 - **Urografia Excretora**
 - Preparo (jejum)
 - Contraste iodado hidrossolúvel (2ml/kg - IV)
 - Radiografias seqüenciais (5, 15, 30 min)
 - **Uretrocistografia (via retrógrada)**
 - **Pneumoretrocistografia (via retrógrada)**



HDI 151325, CAN, LHASA APS
0000 FMVZ - USP

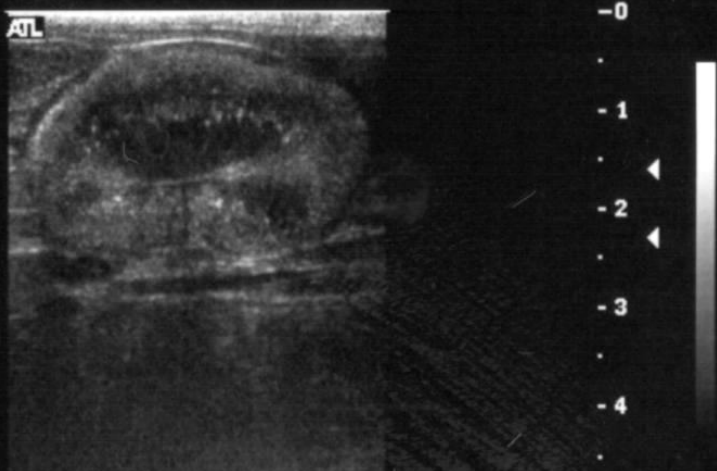
4M, TOMY
L12-5 38 Ped/Abd.

05 Apr 04
11:09:49

TIs 0.1 MI 0.47
Fr #153 7.0 cm

Map 3
150dB/C 4
Persist Low
2D Opt:Res
Fr Rate:High

RE]



TOKIMEC
CN-3030

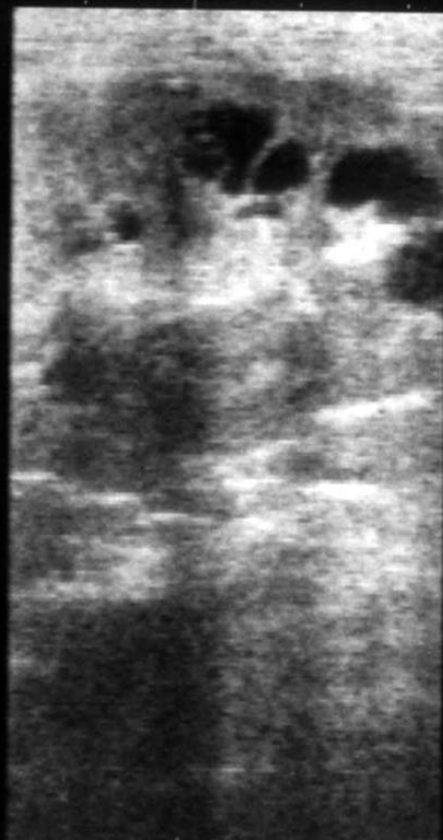
FMVZ-USP

136541 F
DOLLY CAN
6A COCKER

Nov/19/02
10:28

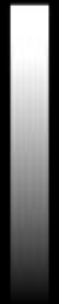
Probe
1 7A 7.5
2 5C 5.0
EEO

RE_

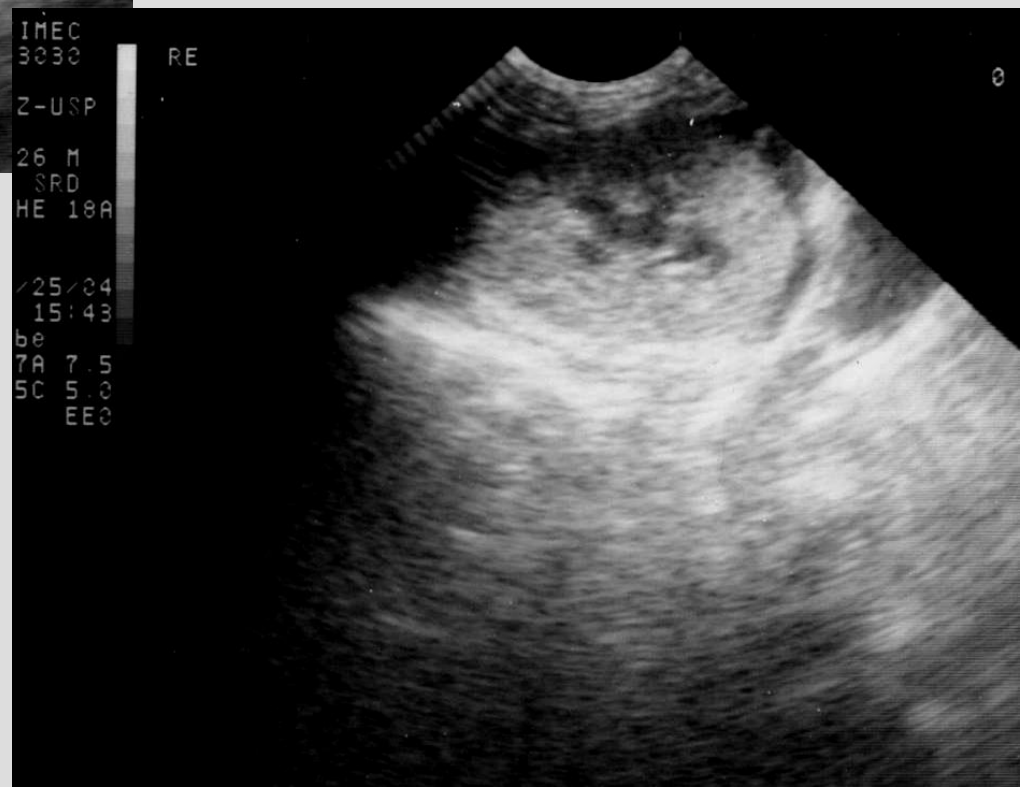
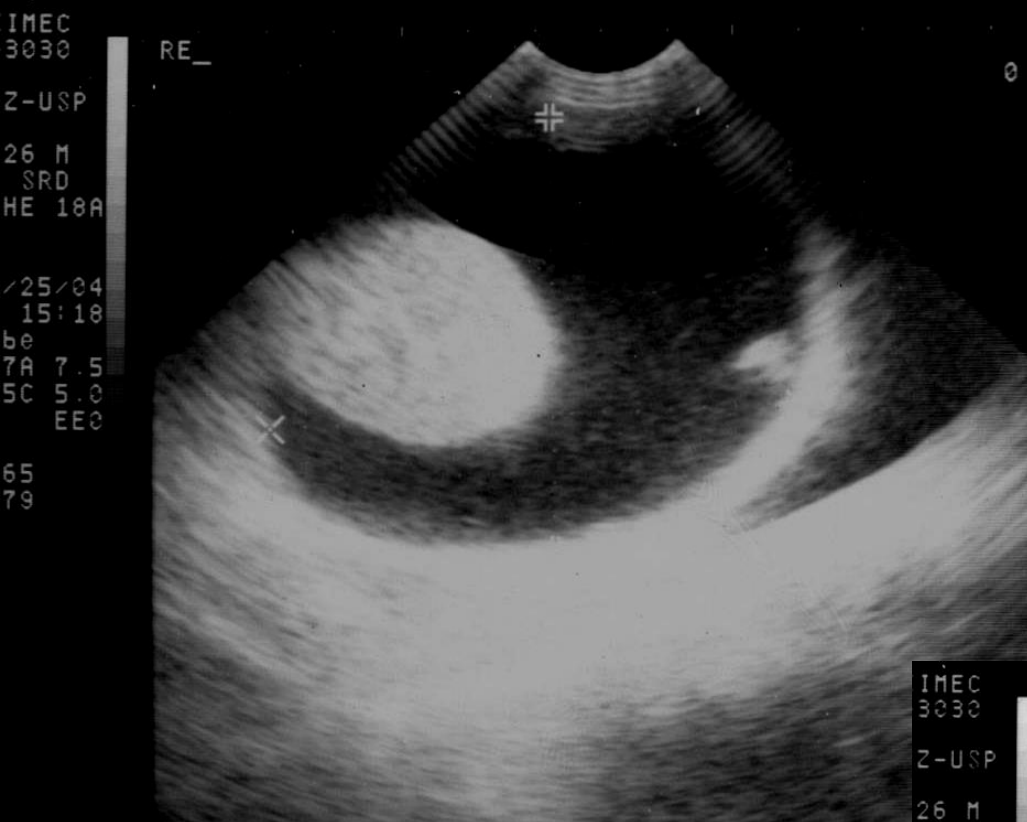


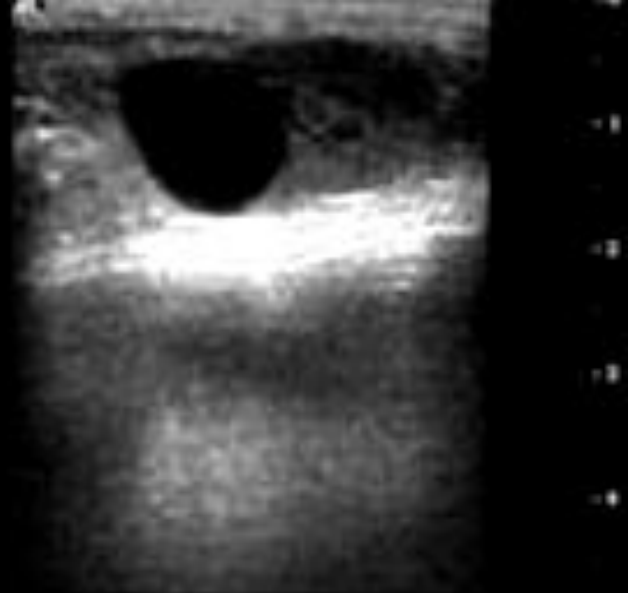
B F 12 MHz G 85%
D 5 cm
PRC 11-2-H PRS 4
PST 3

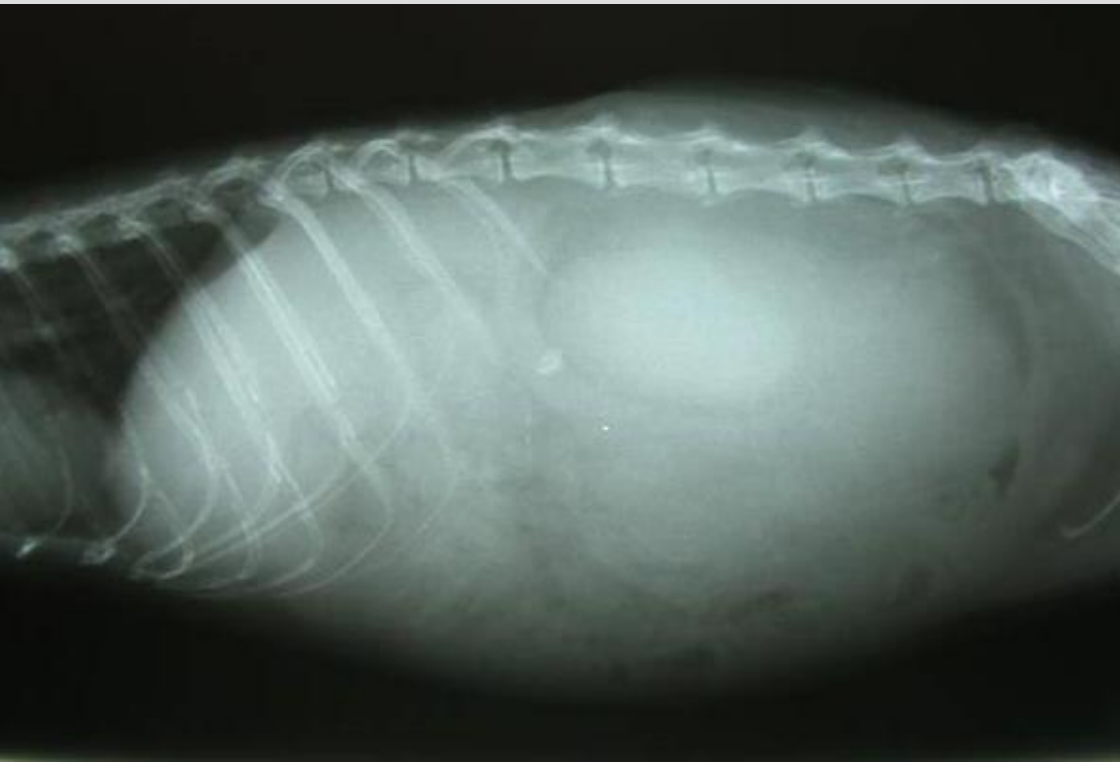
FELINE LA523

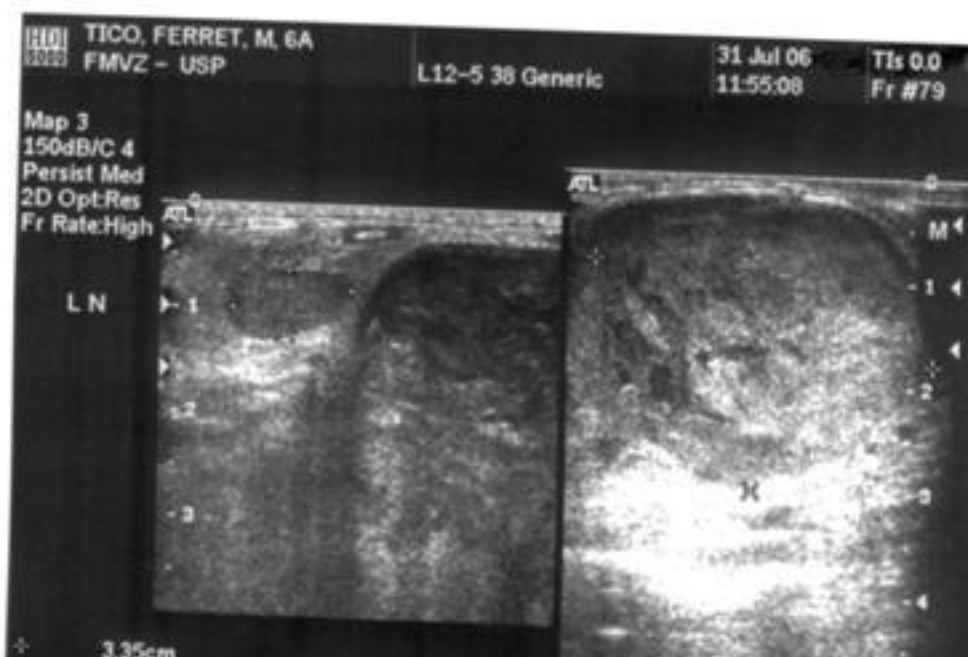
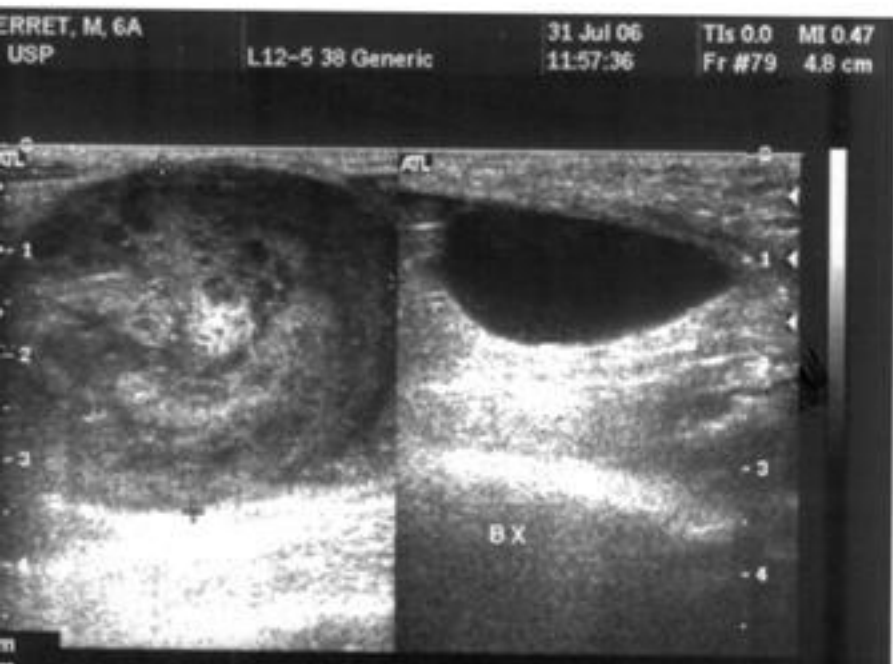
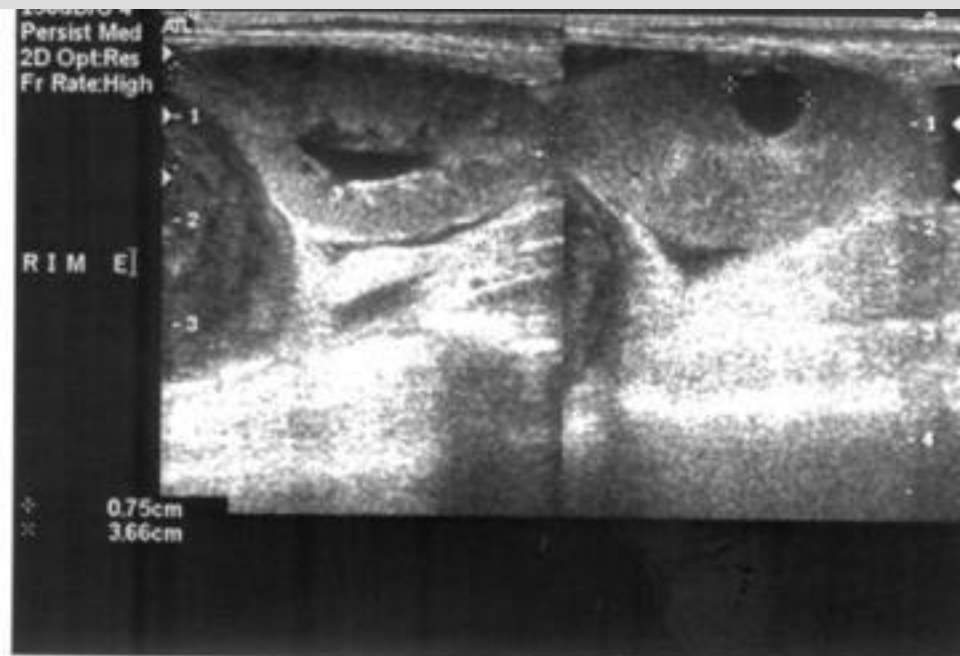
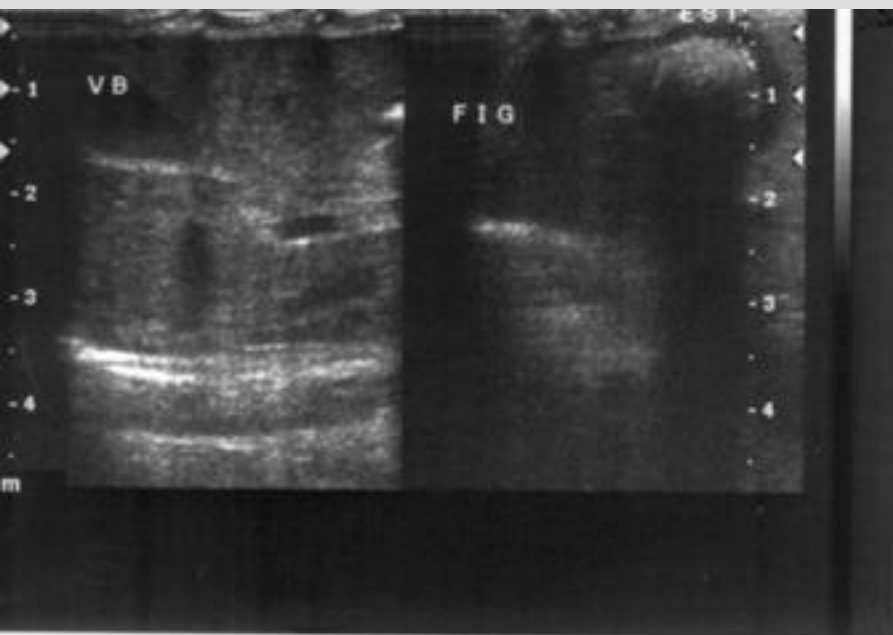










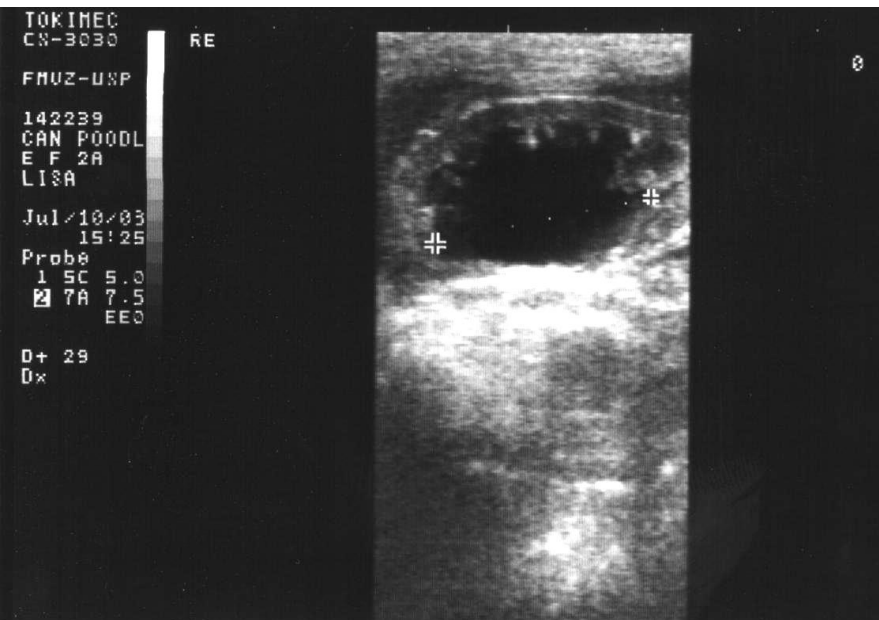
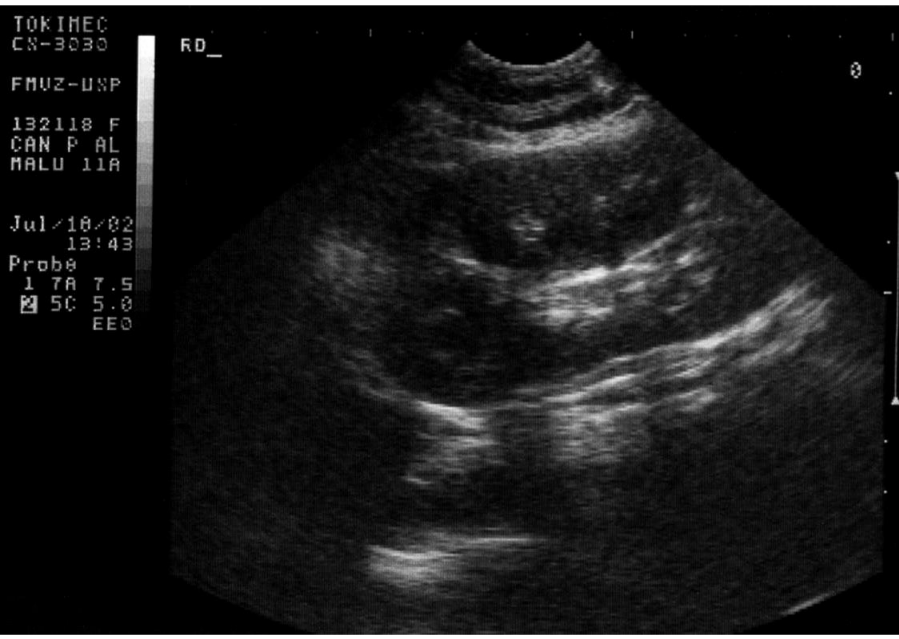




Ultra-sonografia - Rins

Alterações da pelve:

- Dilatação da pelve / Hidronefrose;
- Cálculos.



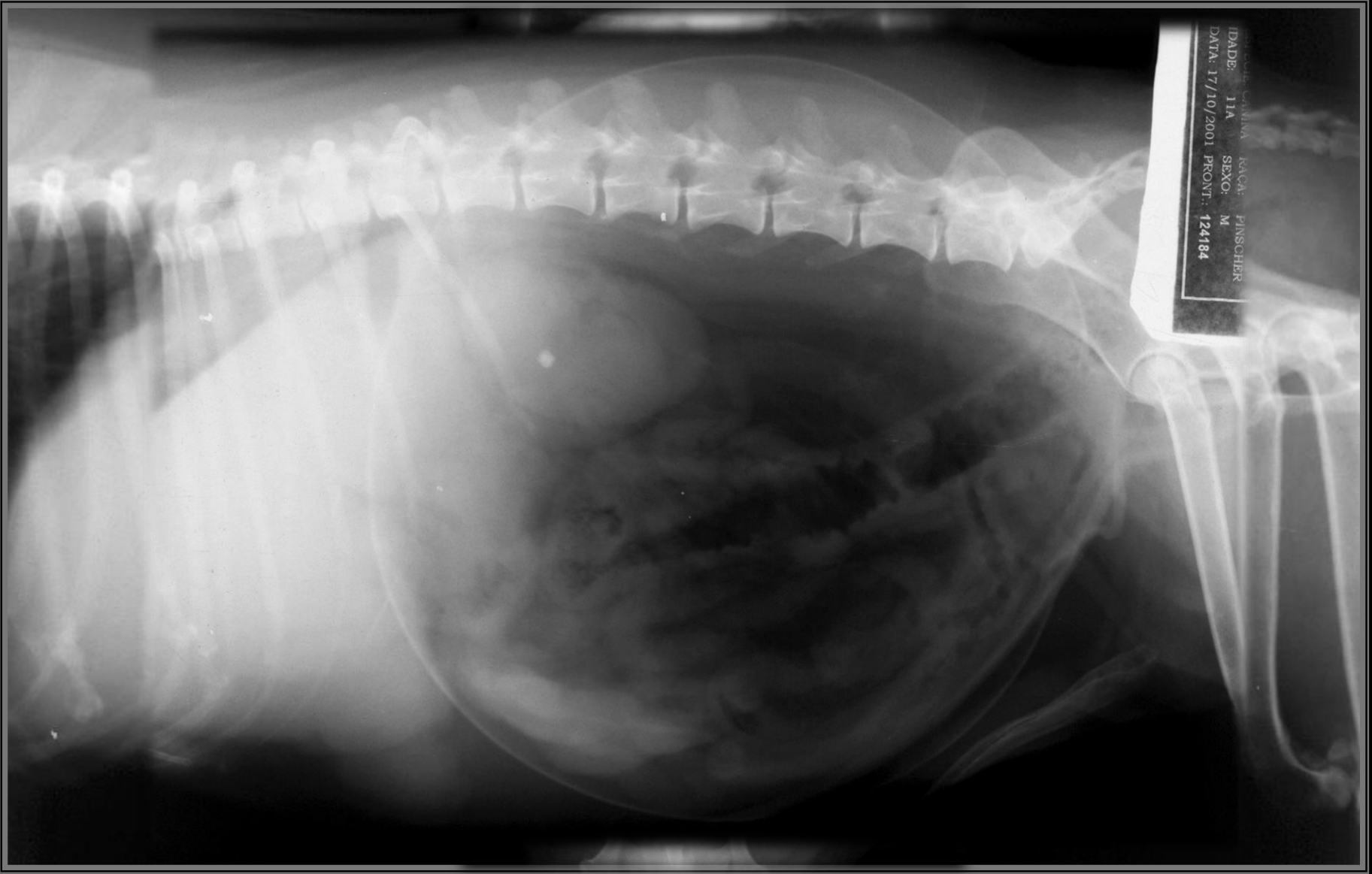






Cálculos

- **Radiopacos (estruvita, fosfatos, oxalatos)**
- **Radiotransparentes (cistina, urato)**
- **Fêmeas: maiores e em menor número**
- **Machos: menores e em maior número**



INSTITUTO CAVALLA RAÇA: PINSCHER
IDADE: 11A SEXO: M
DATA: 17/10/2001 PRONT.: 124184



Ultra-sonografia - Ureteres

- Ureteres normais não são visibilizados.
- São visibilizados quando apresentam dilatações por ureter ectópico ou obstrução ureteral.
- A urografia excretora é o método mais sensível para detectar o ponto exato de inserção do ureter ectópico e pequenas dilatações dos ureteres!
- Ruptura de ureter (urografia excretora).

TOKIMEC
CX-3030

URETER E_

FMUZ-USP

131287
CAN 4A F
BEAGLE
MEG

Jun/04/02
10:54

Probe
1 7A 7.5
2 5C 5.0
EE0

D+ 11
Dx



TOKIMEC
CX-3030

URETER E

FMUZ-USP

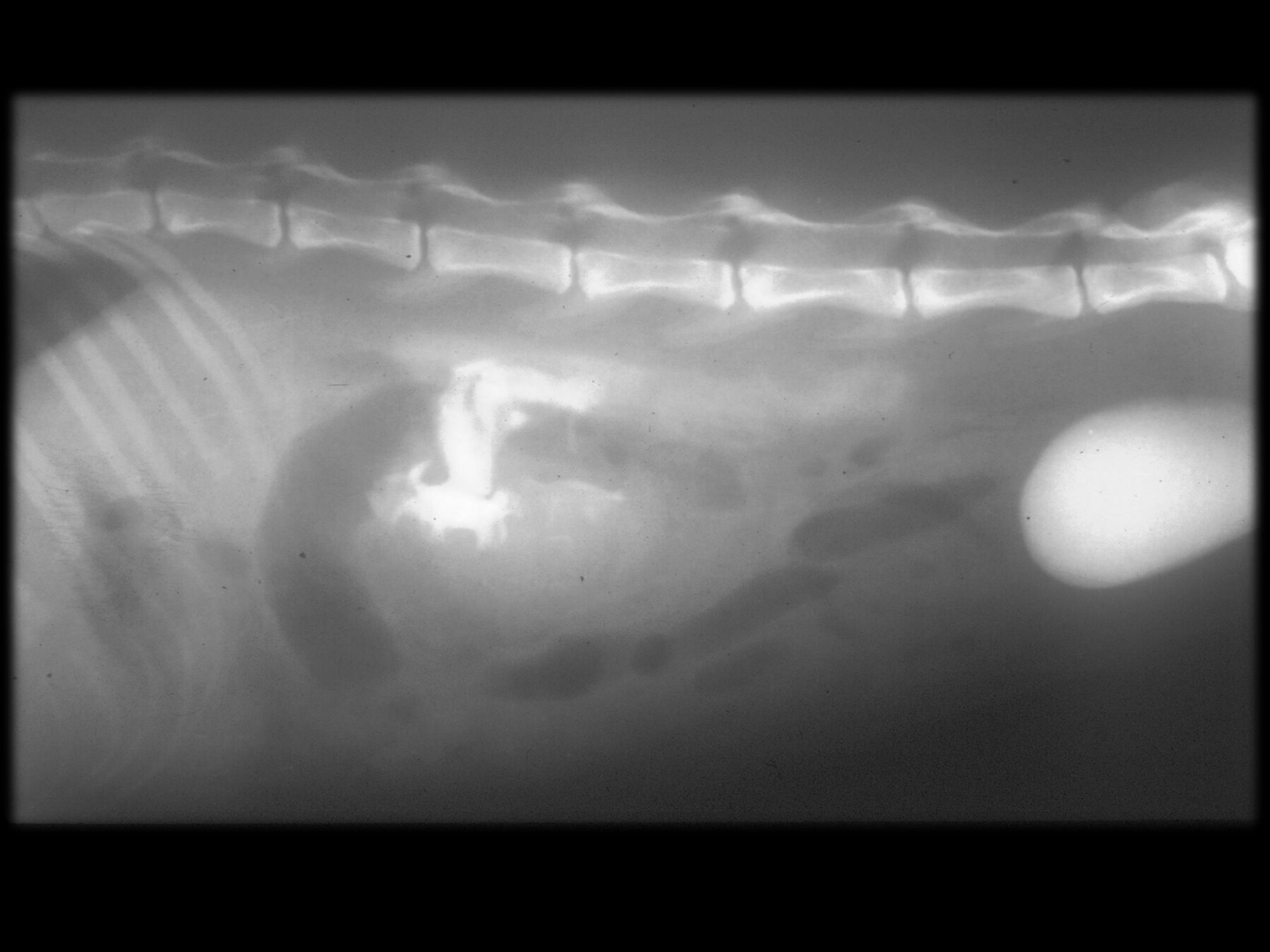
108851 F
CAN 10A
BEAGLE
LAIZA

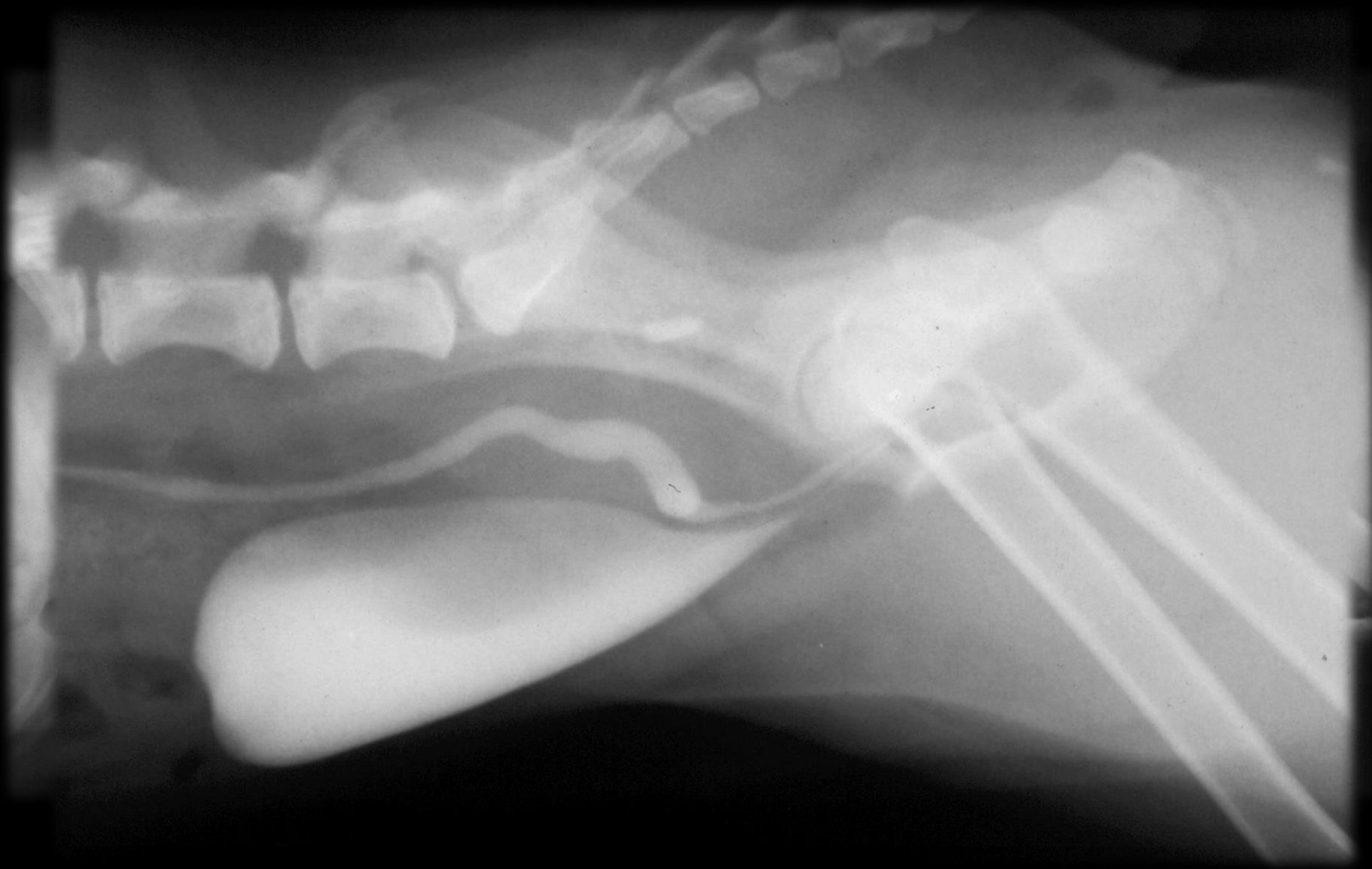
Aug/29/03
9:32

Probe
1 5C 5.0
2 7A 7.5
EE0

D+
Dx 5







Ultra-sonografia – Vesícula Urinária

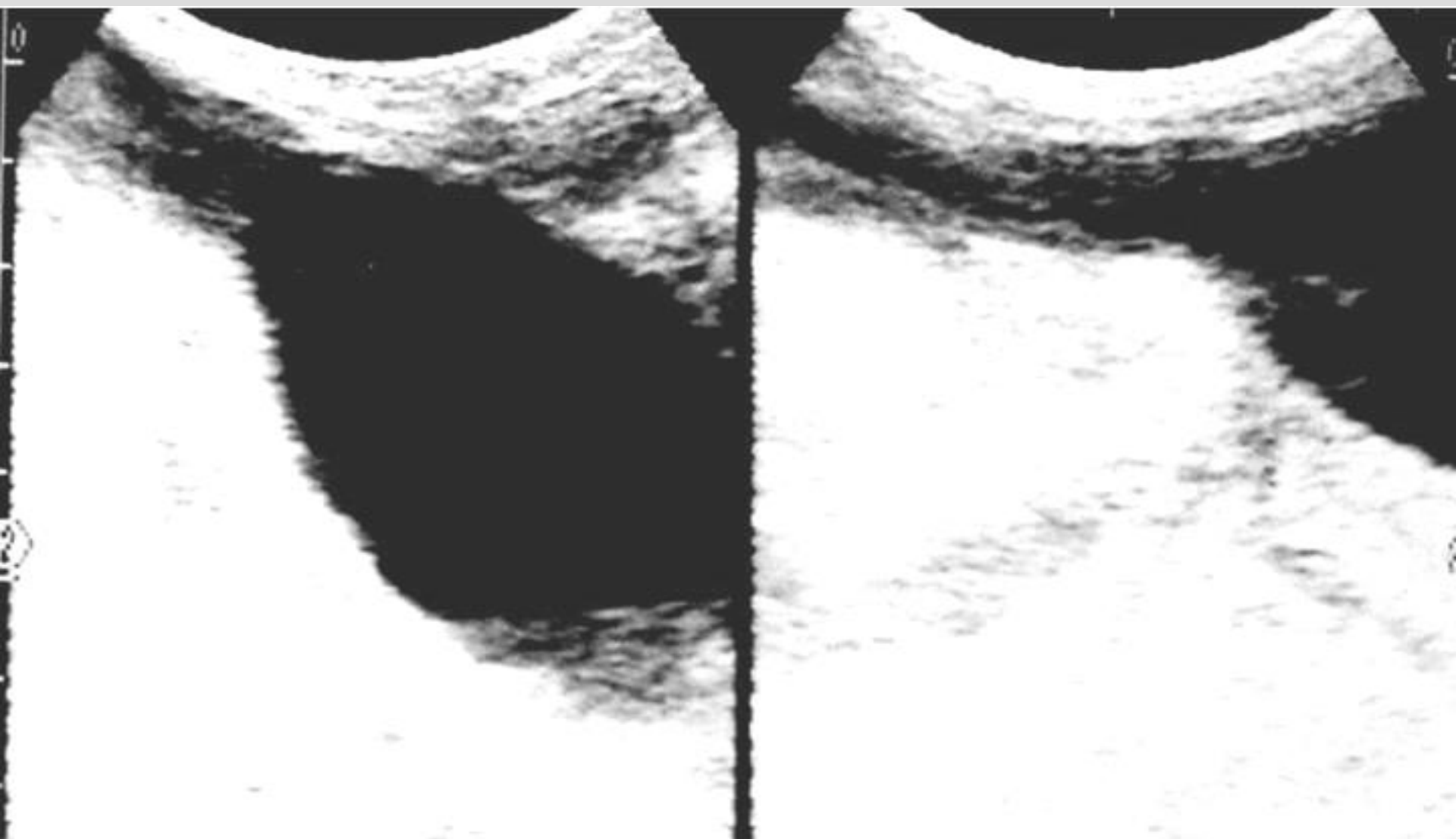
INFORMAÇÕES OBTIDAS AO EXAME

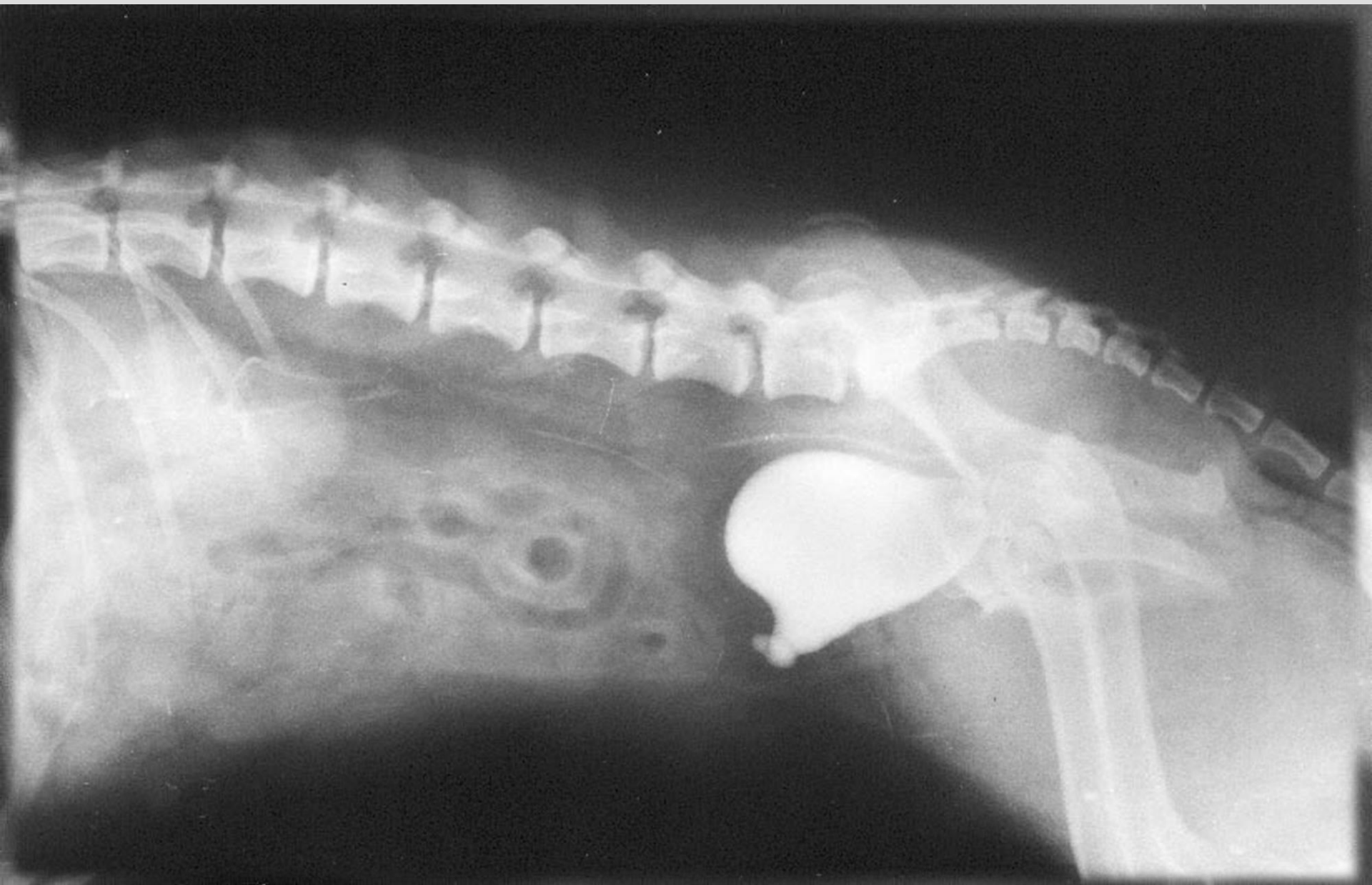
- Repleção (posição / janela acústica / avaliação adequada da espessura da parede);
- Conteúdo (celularidade, ar, sedimento, microcálculos, cálculos, coágulos);
- Paredes (espessura, massas).

Ultra-sonografia – Vesícula Urinária

ALTERAÇÕES

- Cistite (crônica / aguda / polipóide / enfisematosa);
- Coágulos;
- Cálculos (radiopacos e radiotransparentes);
- Neoplasia;
- Ruptura (cistografia positiva);
- Divertículo vesical (cistografia positiva);
- Persistência do úraco (cistografia positiva).







B F 8.0 MHz G 58%
D 10 cm
PRC 10-3-H PRS 2
PST 3

MSK523 CA123



B F 8.0 MHz G 58%
D 10 cm
PRC 10-3-H PRS 2
PST 3

MSK523 CA123



B F 8.0 MHz G 58%
D 10 cm
PRC 10-3-H PRS 2
PST 3

MSK523 CA123





TOKIMEC
CN-3030

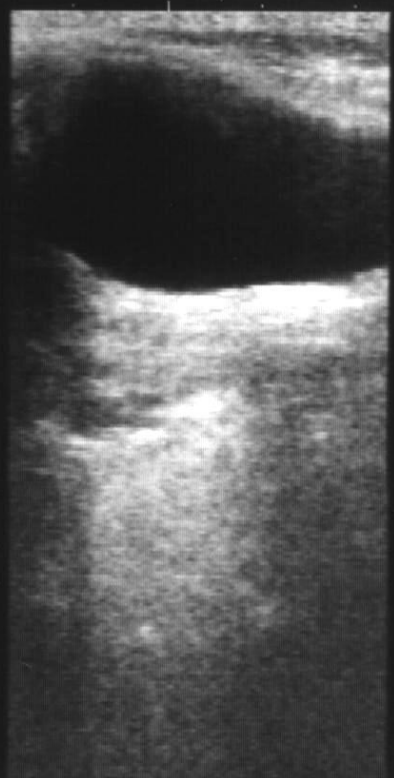
BX_

FMUZ-USP

147340 F
POODL CAN
15A
CHERRY

Nov/03/03
10:58

Probe
1 5C 5.0
7A 7.5
EE0



TOKIMEC
CN-3030

BX_

FMUZ-USP

138592 M
CAN SRD
12A HUCK

Jan/14/03
16:24

Probe
1 7A 7.5
5C 5.0
EE0

D+ 14
Dx



TOKINEC
CN-3030

BX_

0

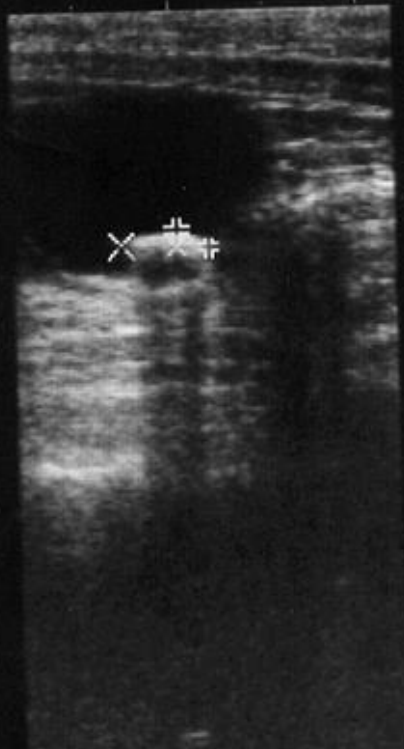
FMUZ-USP

RAI FEL M
0A SPD
141675

May/12/03
14:58

Probe
1 SC 5.0
2 7A 7.5
EEO

D+ 4
Dx 6



TOKINEC
CN-3030

BX_

0

FMUZ-USP

105314 M
CAN FOX
6A MAX

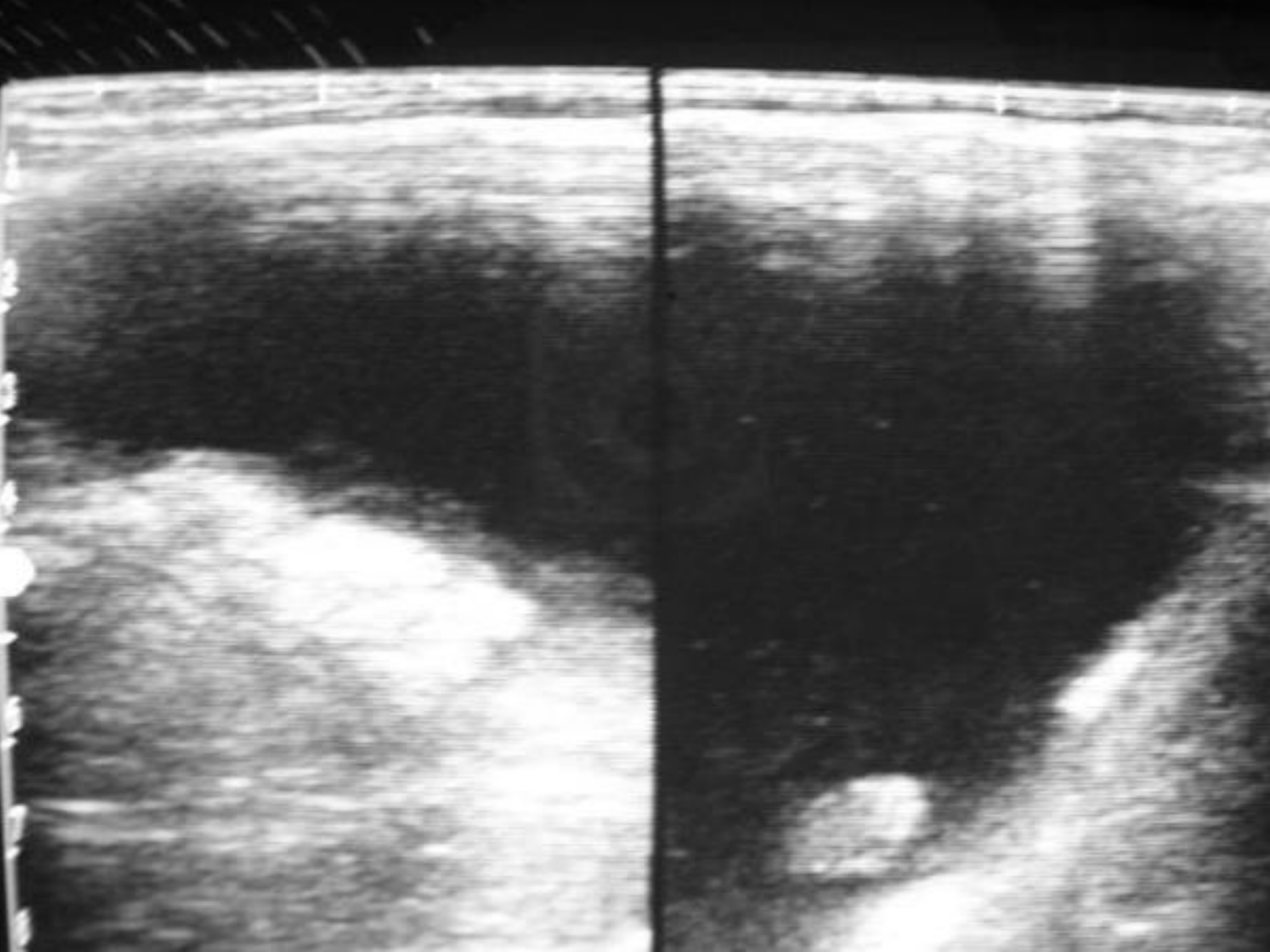
Nov/21/03
14:39

Probe
1 SC 5.0
2 7A 7.5
EEO

D+ 7
Dx 9



0 92 D55 R 44 PRB1 + 1.00



Ultra-sonografia - Uretra

Ultra-sonografia - Próstata

INFORMAÇÕES OBTIDAS AO EXAME

- Dimensões;
- Contornos;
- Ecotextura;
- Arquitetura .

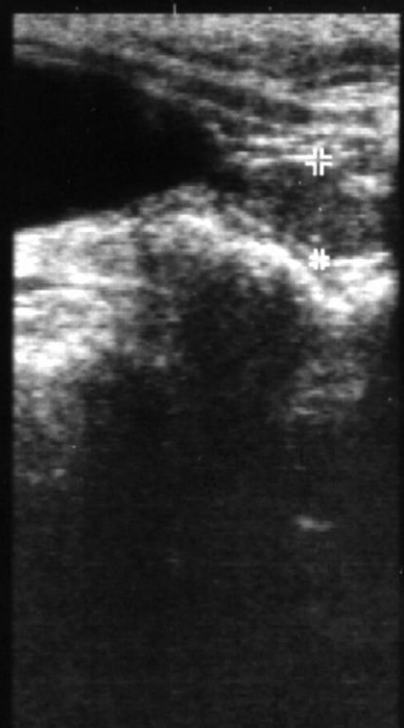
ALTERAÇÕES

- Hipertrofia / Hiperplasia benigna de próstata;
- Cistos prostáticos;
- Prostatite bacteriana (abscessos);
- Cistos paraprostáticos;
- Neoplasia.

TOKIMEC
CN-3030

PRT_

FMUZ-USP
147143 M
CAN DACHS
2.5M FLUC



Nov/24/03
10:16

Probe
1 5C 5.0
2 7A 7.5
EEO

D+ 10
Dx

TOKIMEC
CN-3030

PRT_

FMUZ-USP
138592 M
CAN SRD
12A HUCK



Jan/14/03
16:25

Probe
1 7A 7.5
2 5C 5.0
EEO

D+ 78
Dx

TOKIMEC
CN-3030

PRT_

0

FMUZ-USP
134014 M
SLUGGER
CAN 9A
BICHON F.
Nov/14/02
9:15
Probe
1 7A 7.5
5C 5.0
EEO
D+ 31
Dx 13



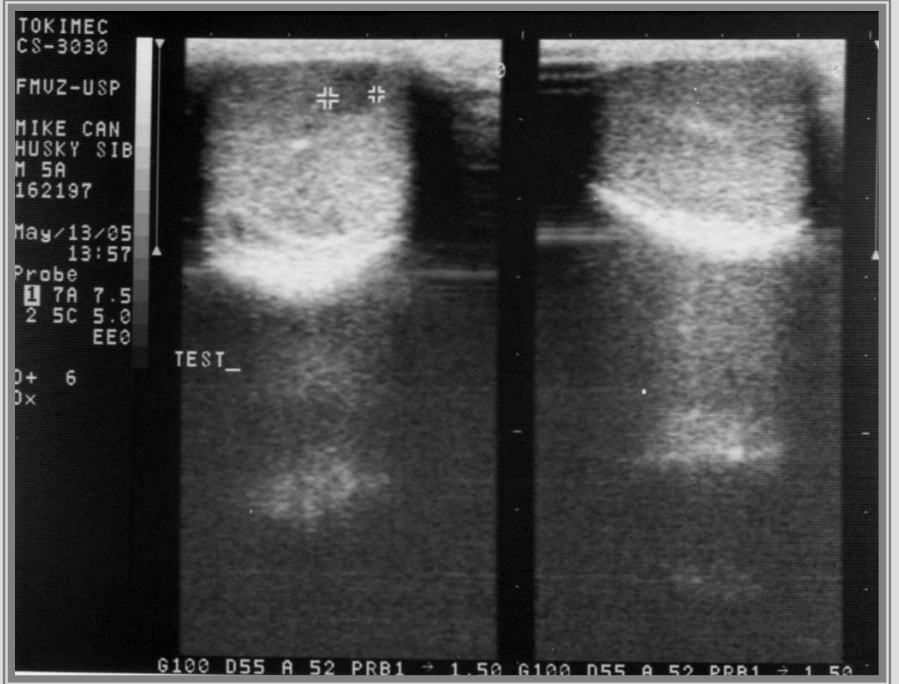
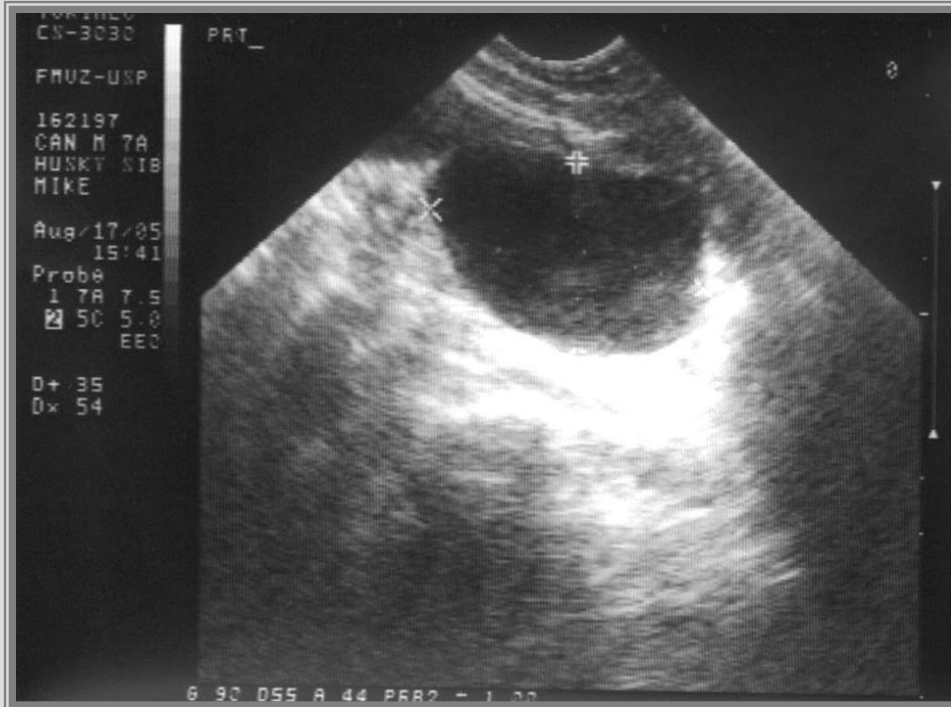
TOKIMEC
CN-3030

PRT

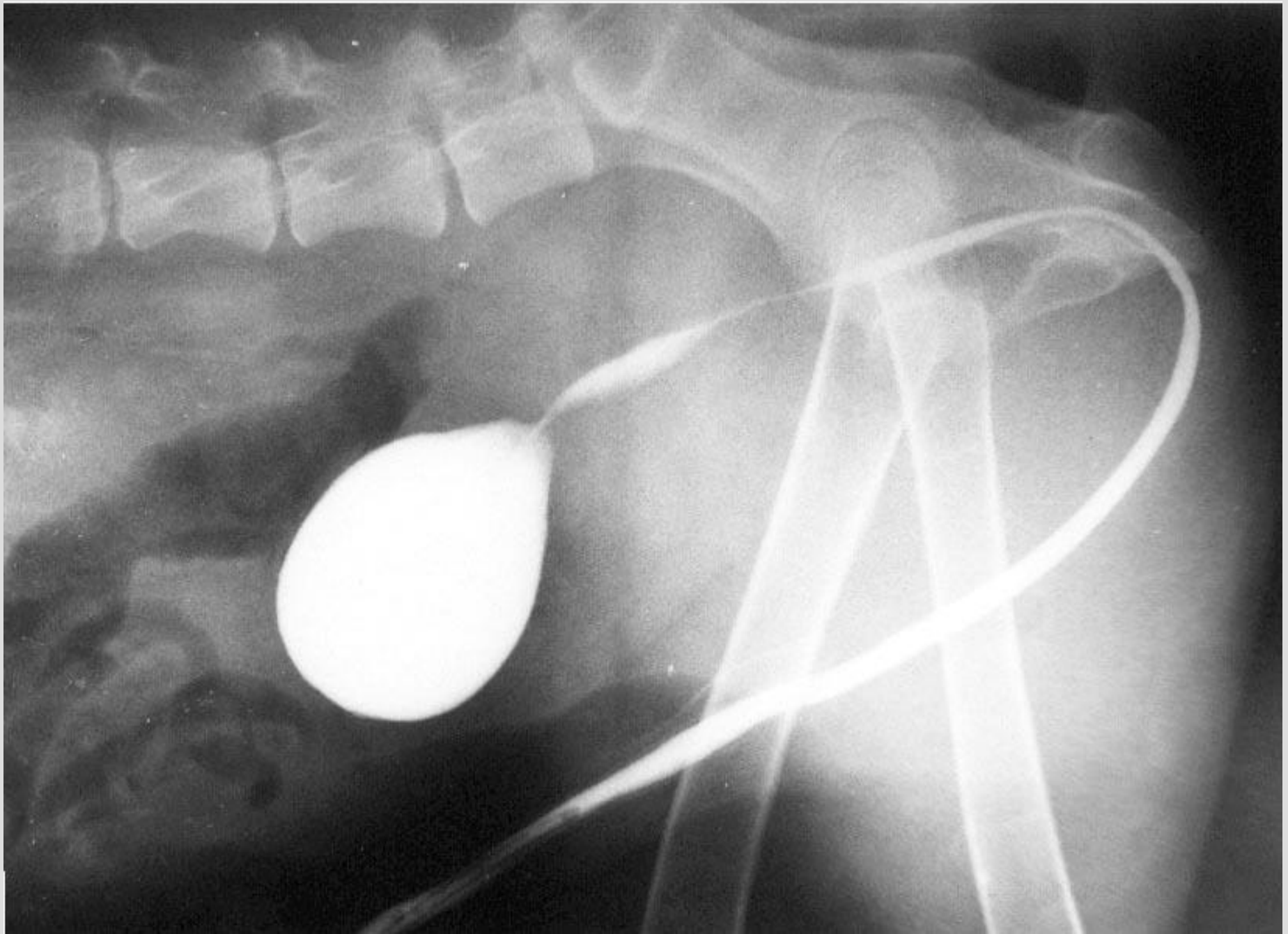
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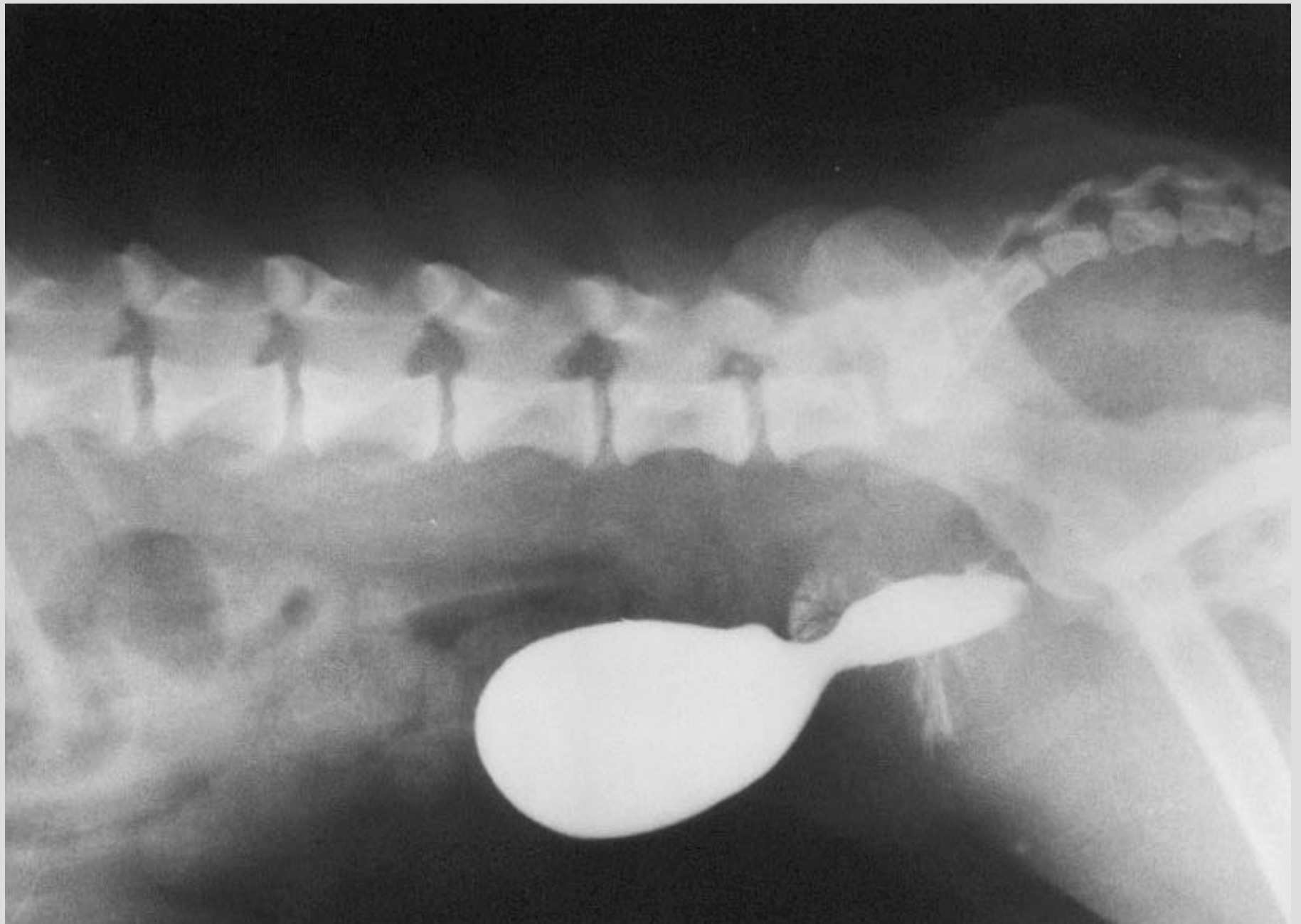
FMUZ-USP
134014 M
SLUGGER
CAN 9A
BICHON F.
Nov/14/02
9:15
Probe
1 7A 7.5
5C 5.0
EEO
D+ 17
Dx 29

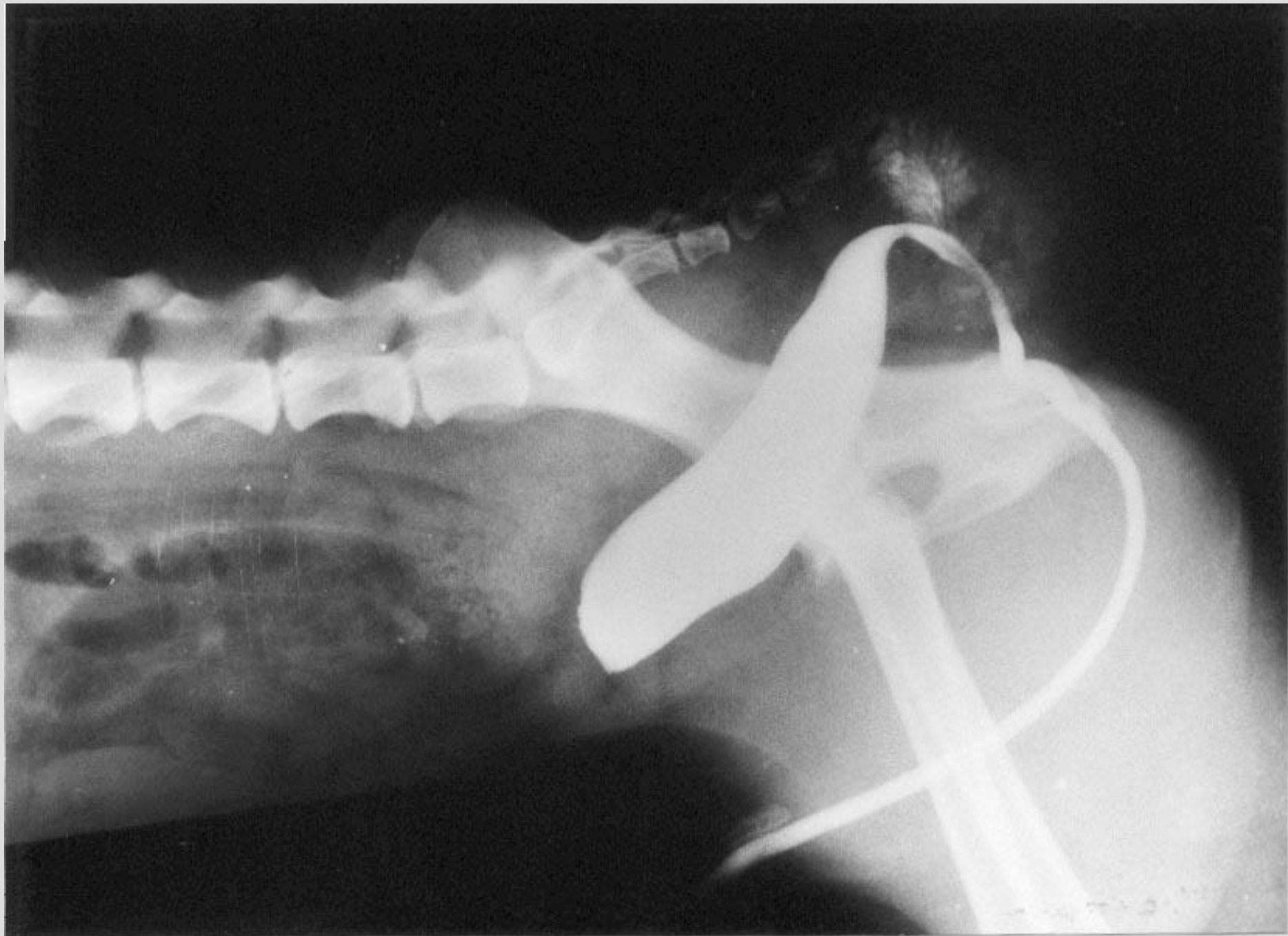












Ultra-sonografia – Testículos

INFORMAÇÕES OBTIDAS AO EXAME

- Dimensões;
- Contornos;
- Arquitetura interna;
- Ecotextura.

ALTERAÇÕES

- Criptorquidismo;
- Varicocele;
- Torção testicular (Doppler);
- Orquite / epididimite;
- Neoplasia.

TOKINEC
CN-3030

FMUZ-USP

146472 M
CAN POODL
E BETHOU
N 8A

Dec/03/03
15:49

Probe
1 5C 5.0
2 7A 7.5
EEO

TEST_



TOKINEC
CN-3030

FMUZ-USP

137452
CAN H 7A
BERGLE
WILLY

Feb/19/03
11:00

Probe
1 7A 7.5
2 5C 5.0
EEO

D+ 20
Dx

REG ING D_



TOKIMEC
CW-3030

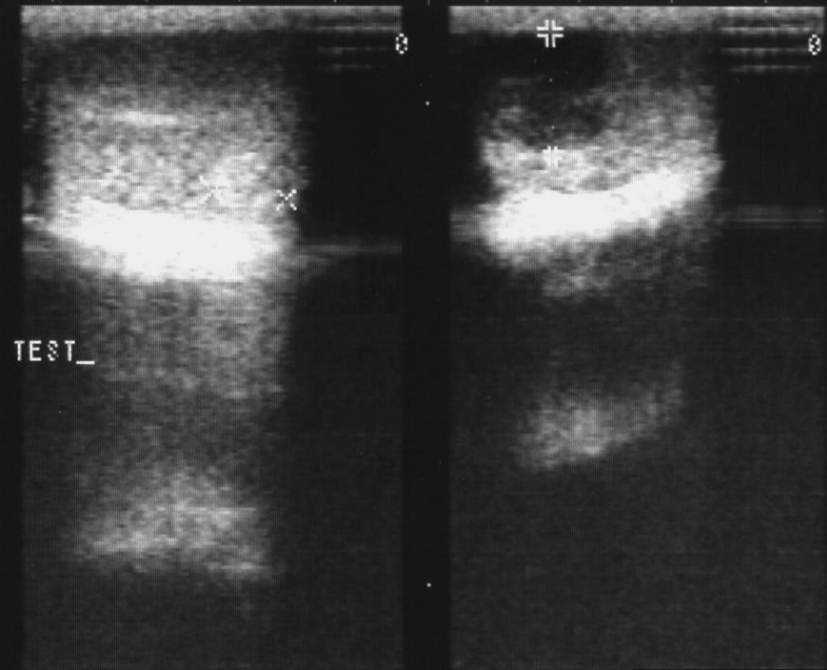
FMUZ-USP

147828 M
CAN SRD
QUIZINHO
13A

Nov/21/03
9:43

Probe
1 SC 5.0
 7A 7.5
EE0

D+ 13
Dx 8



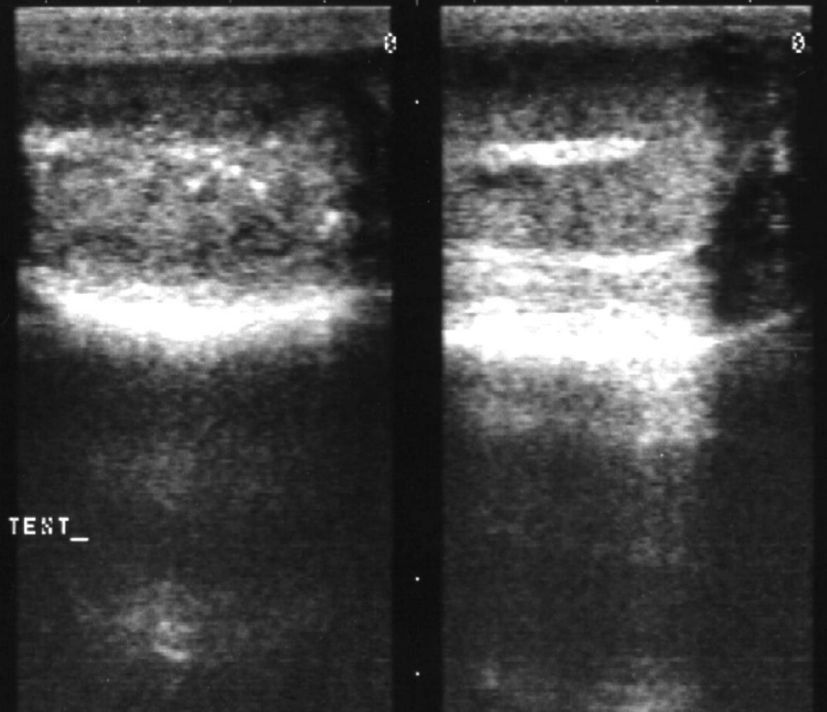
TOKIMEC
CW-3030

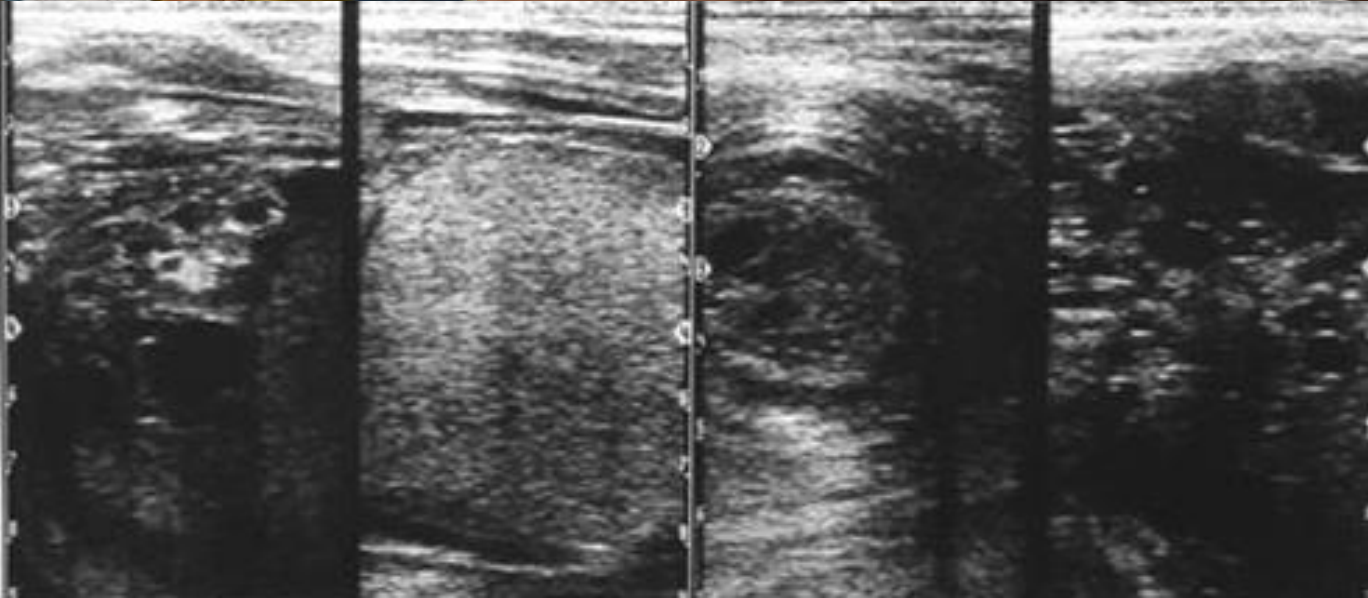
FMUZ-USP

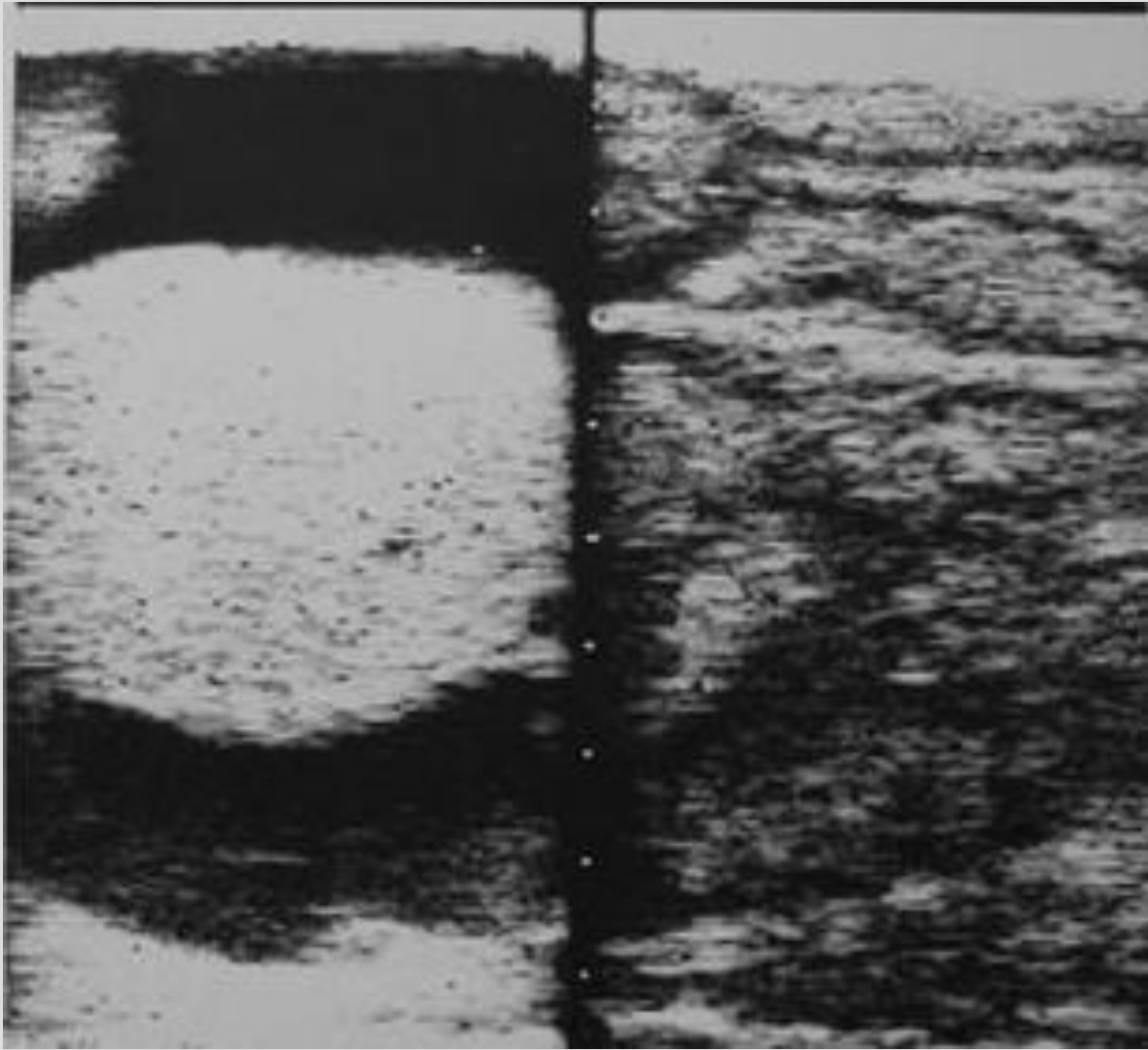
147602
PASTOR AL
EMAO CAN
M 7A

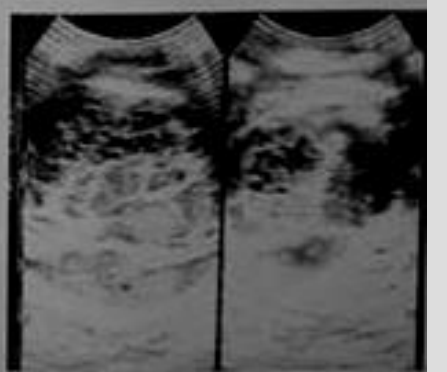
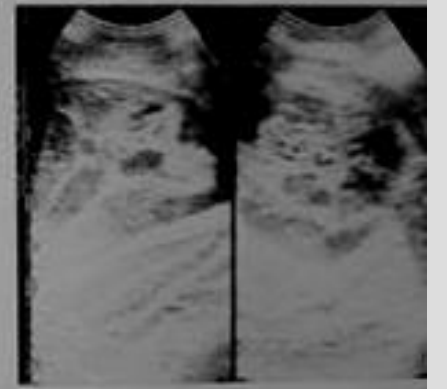
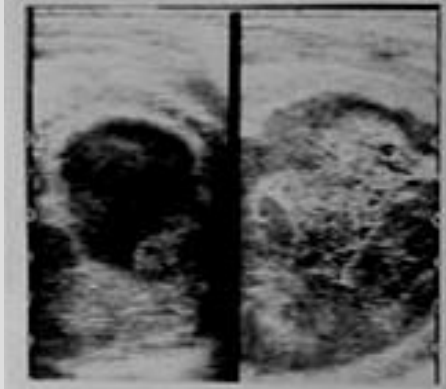
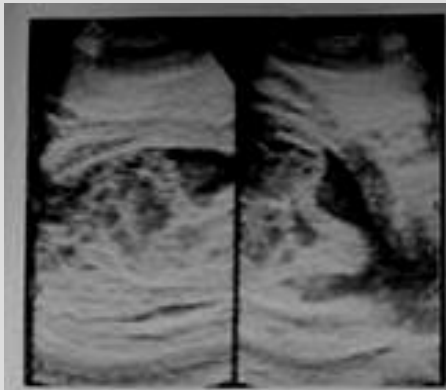
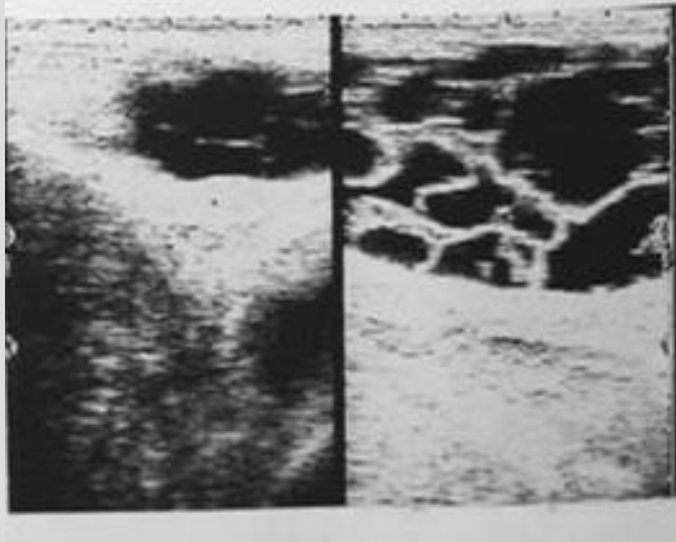
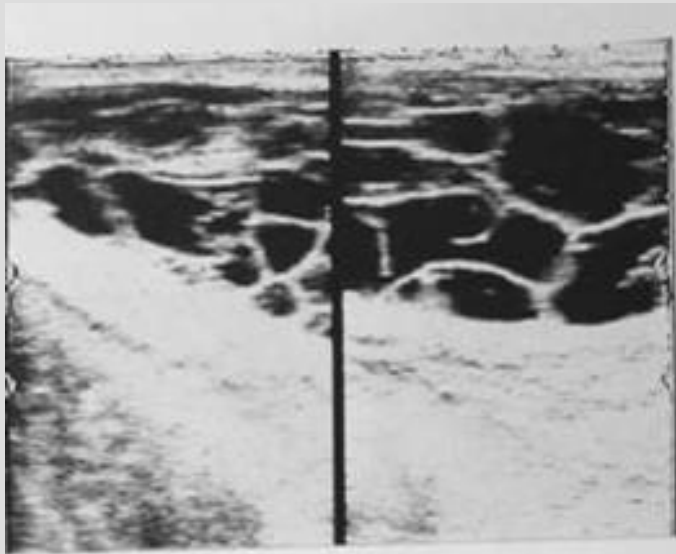
Nov/14/03
16:55

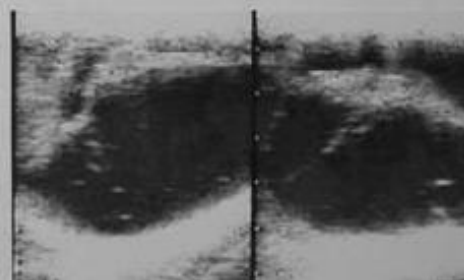
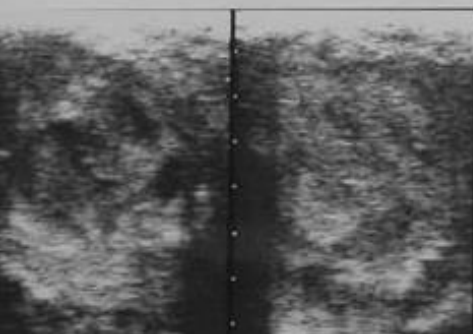
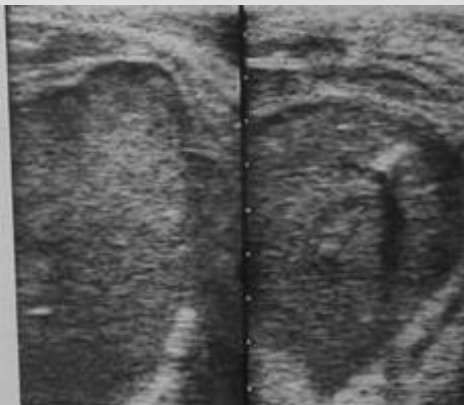
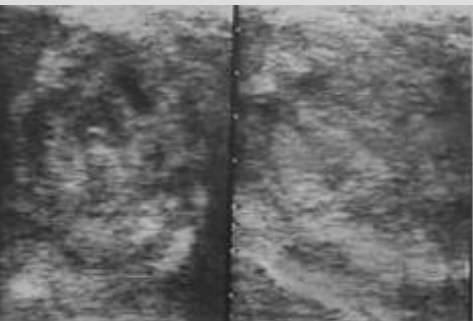
Probe
1 SC 5.0
 7A 7.5
EE0

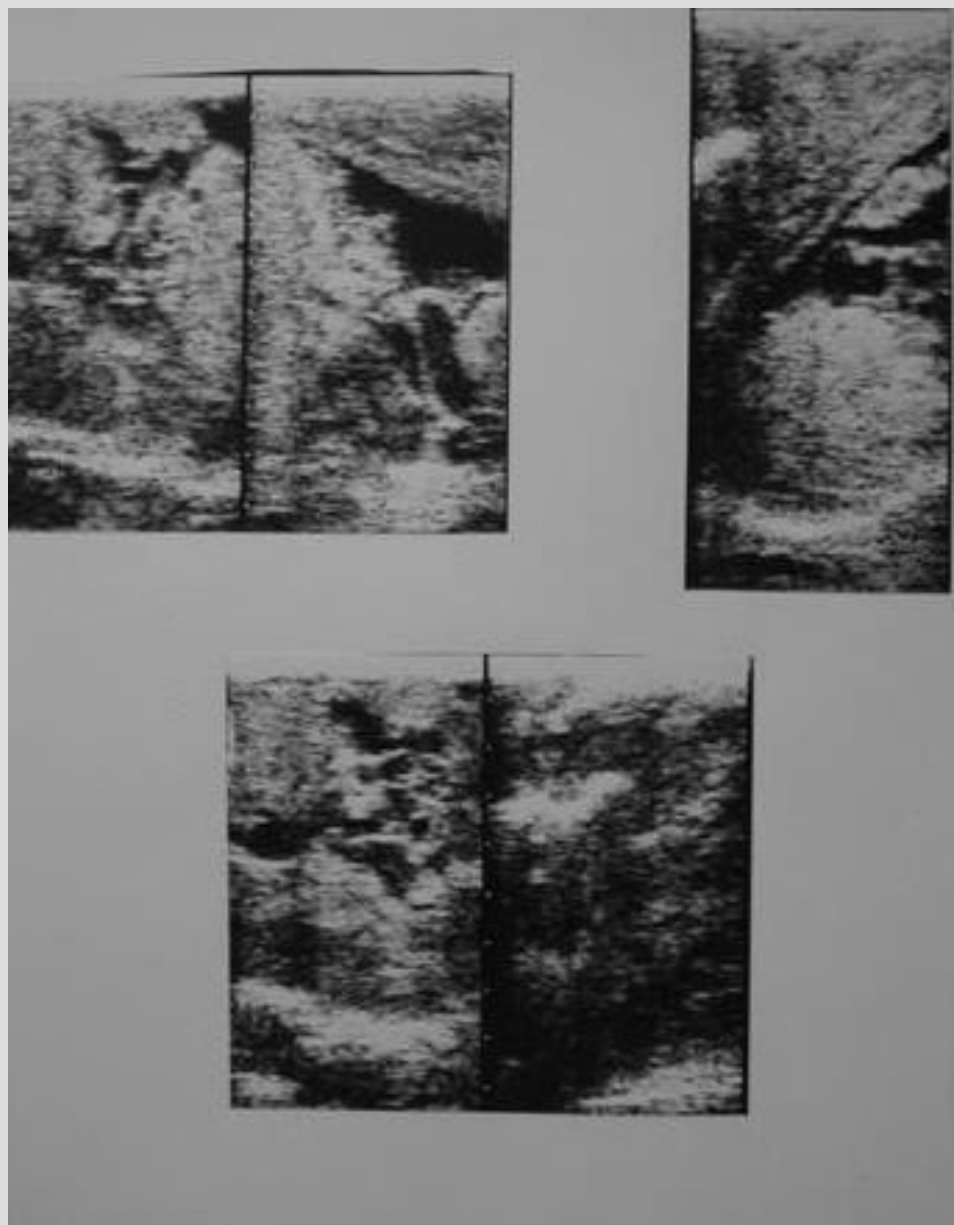
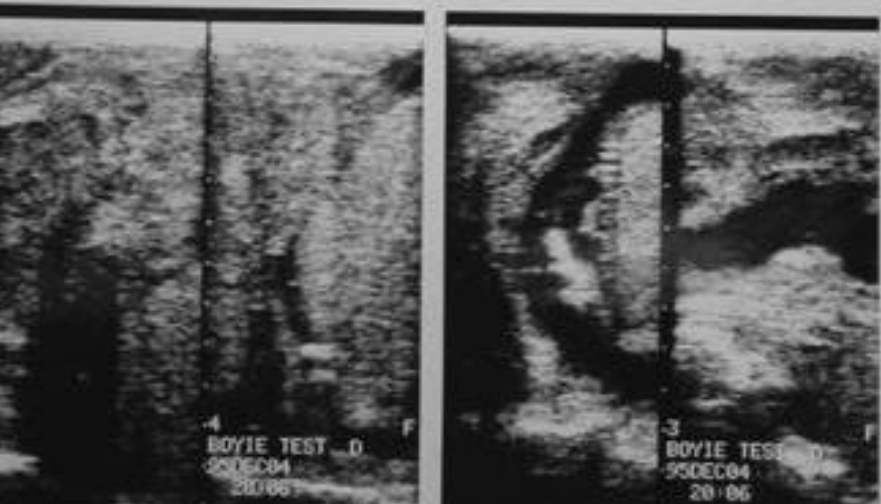
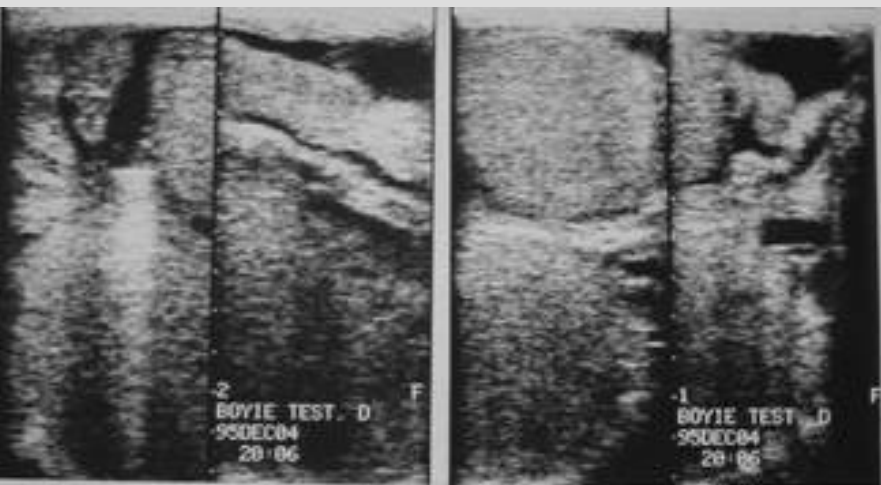


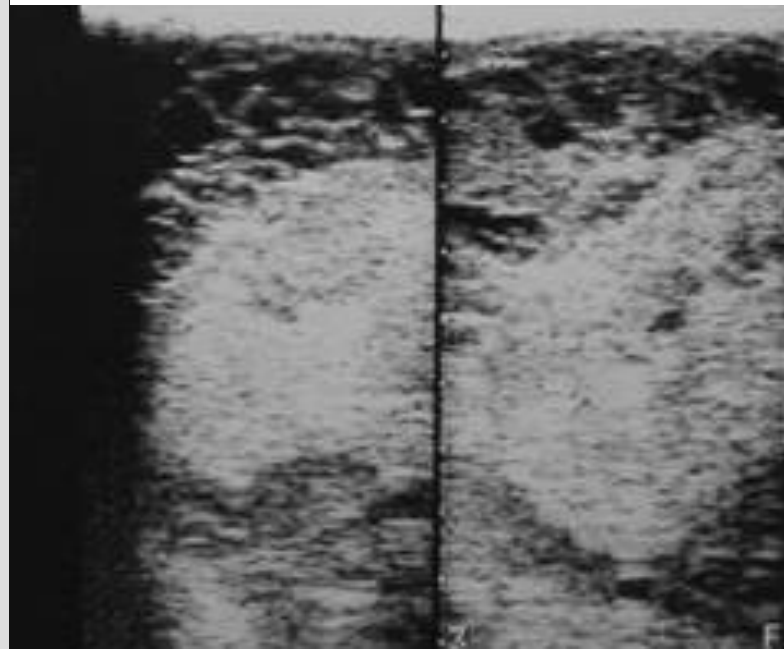
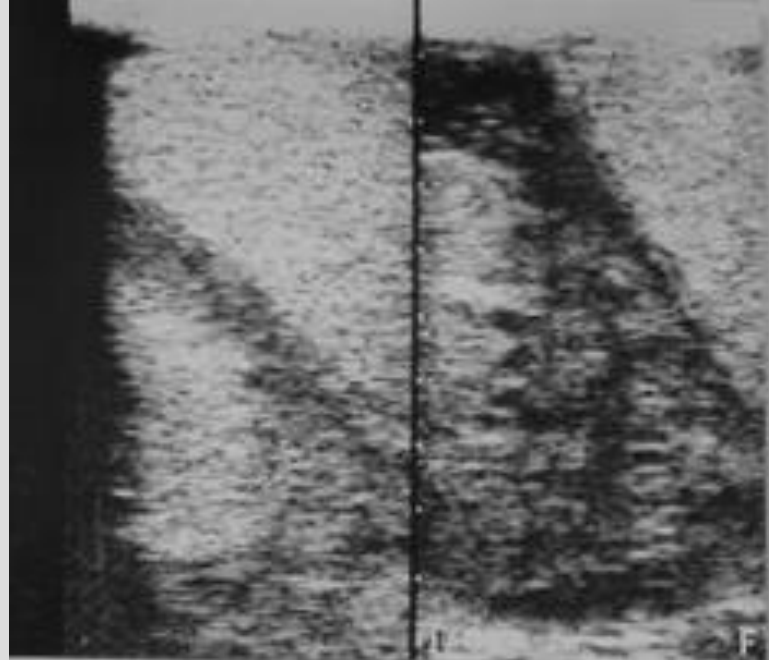


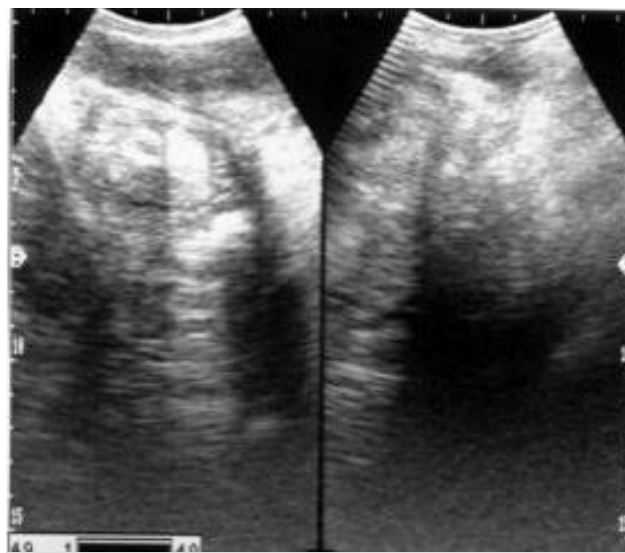
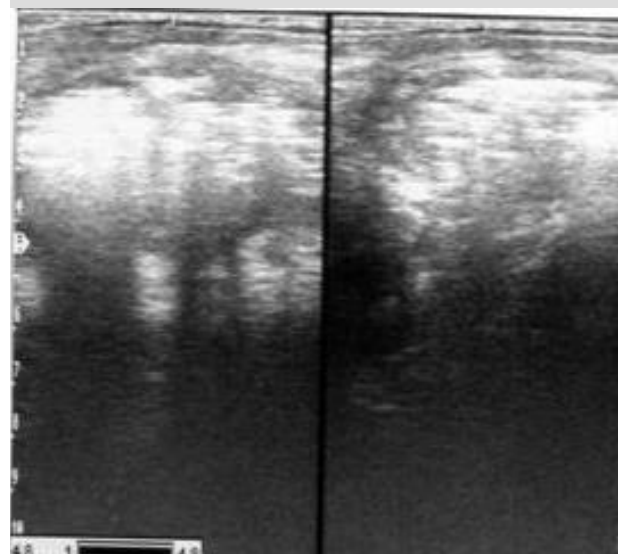
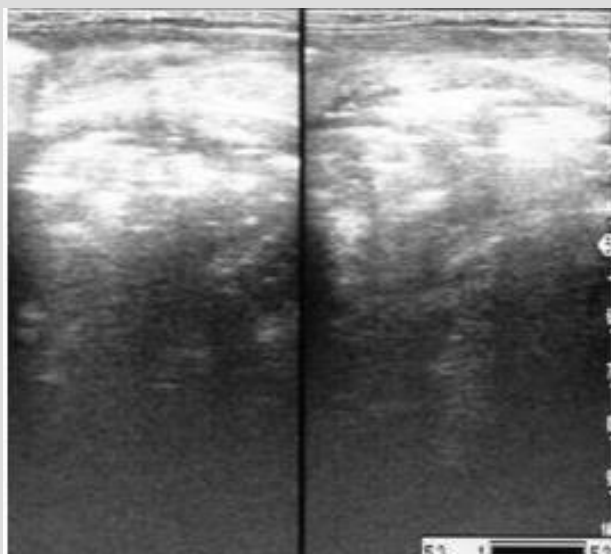






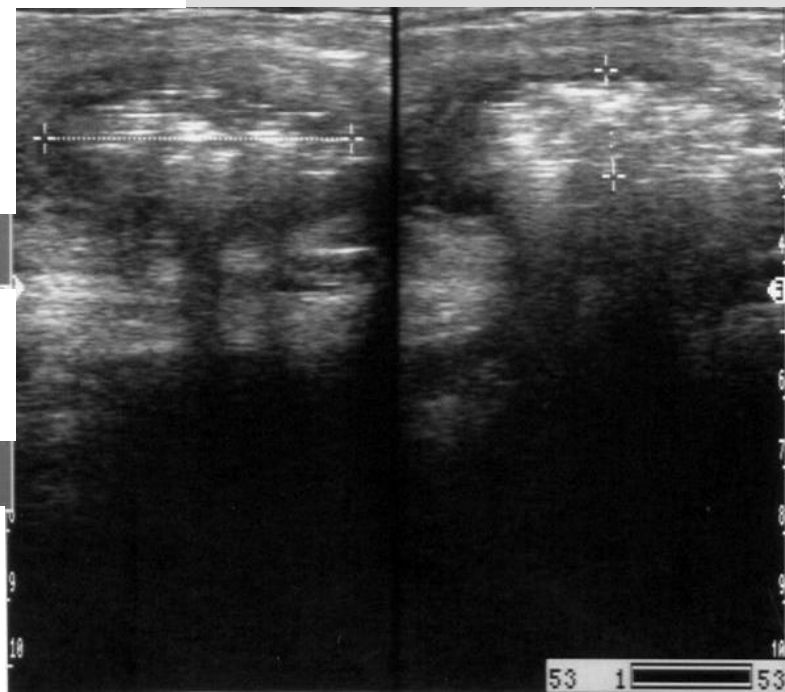


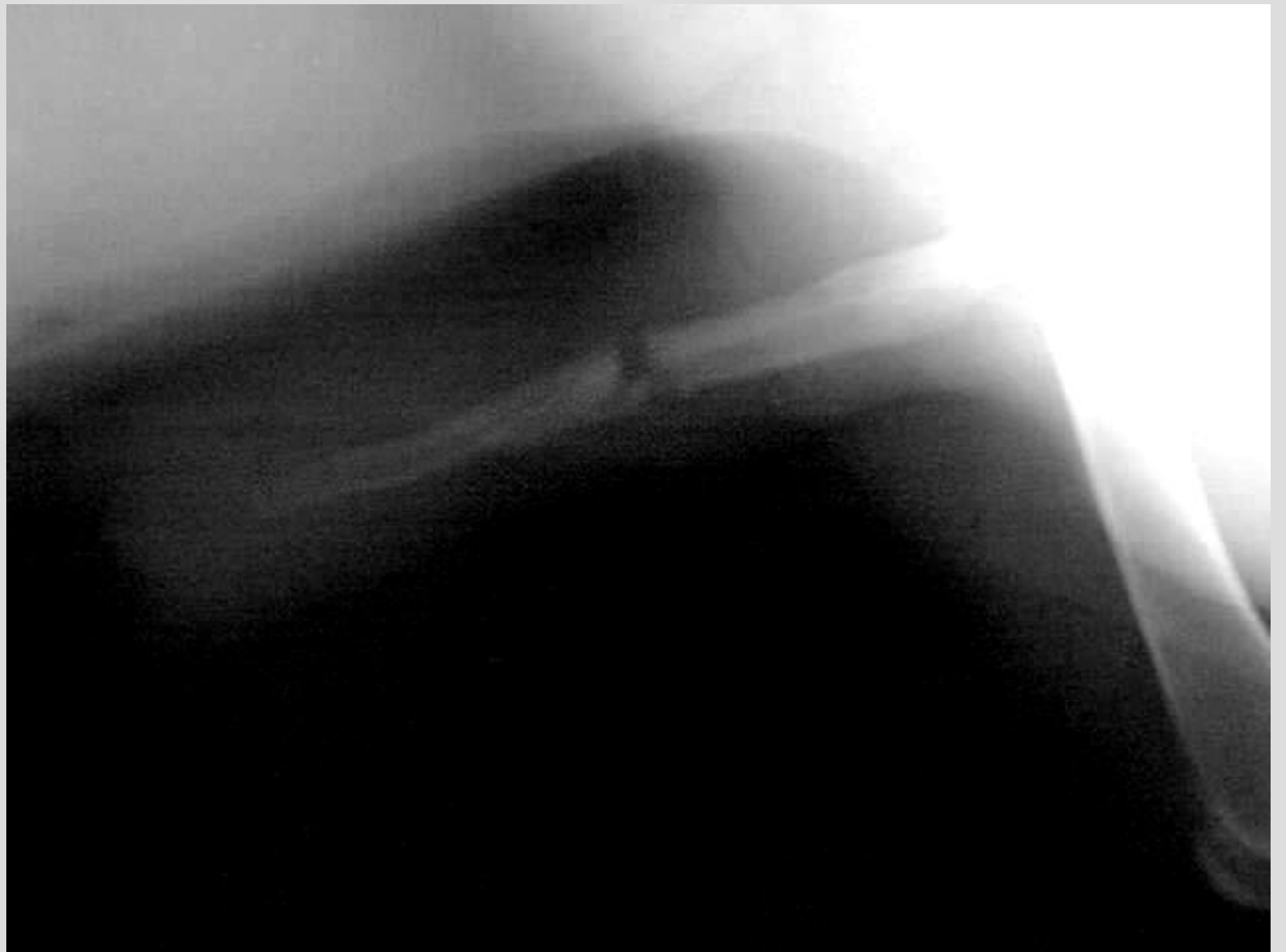


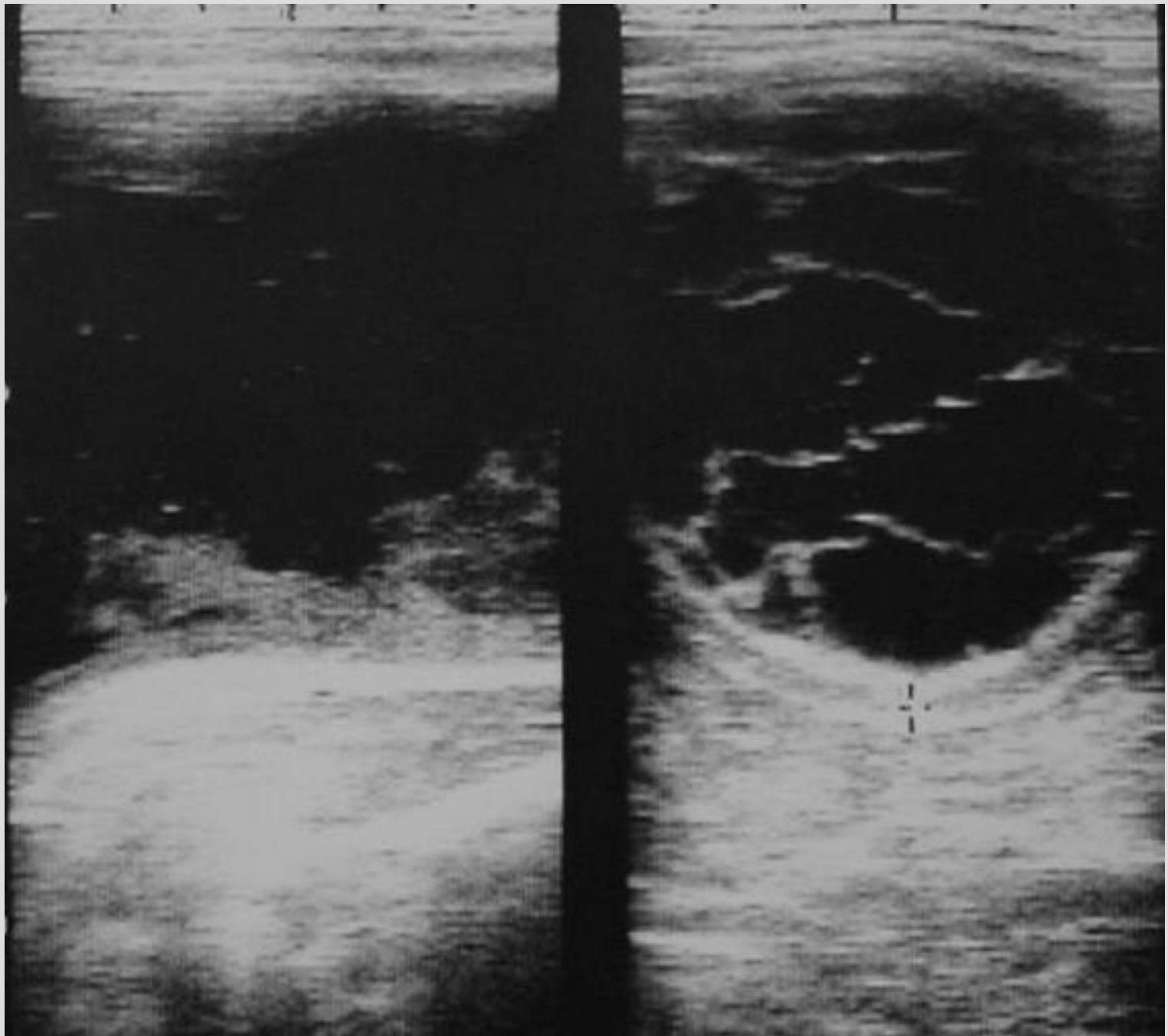


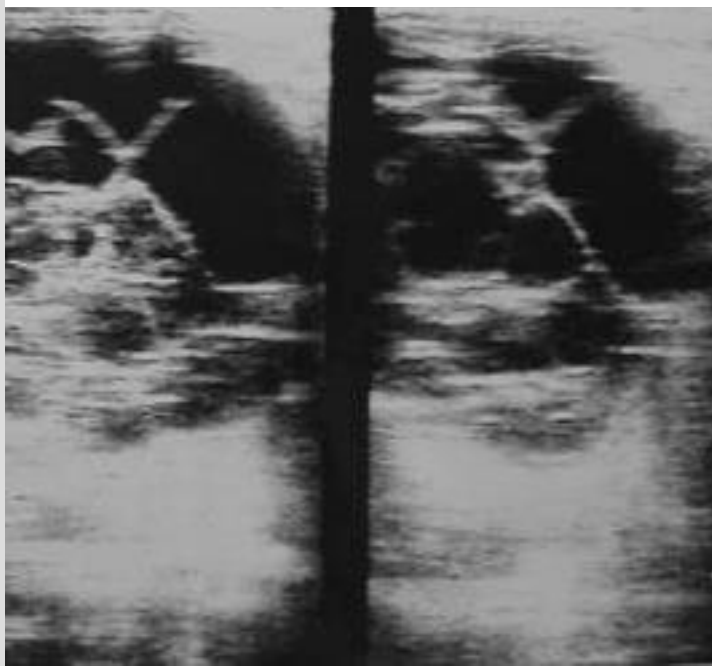
Distance
4.51 cm

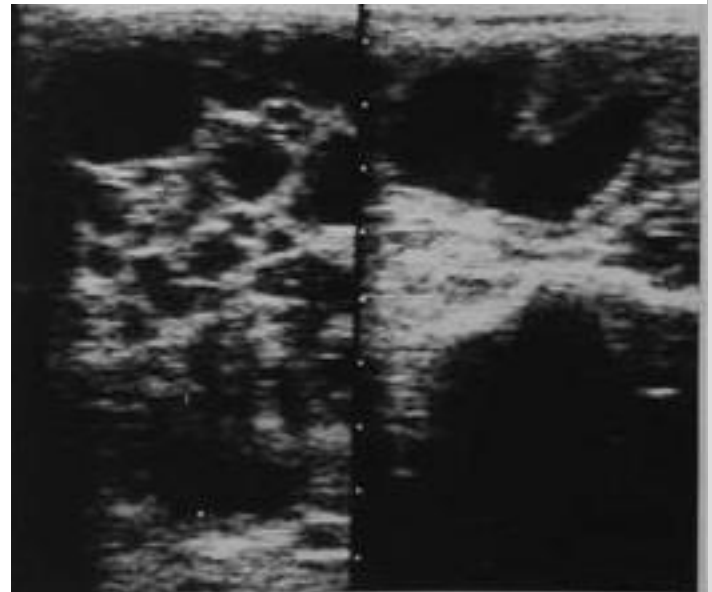
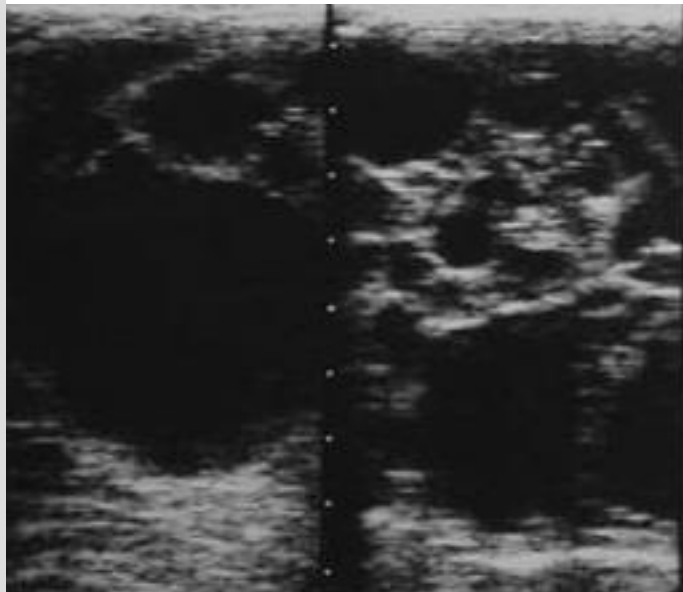
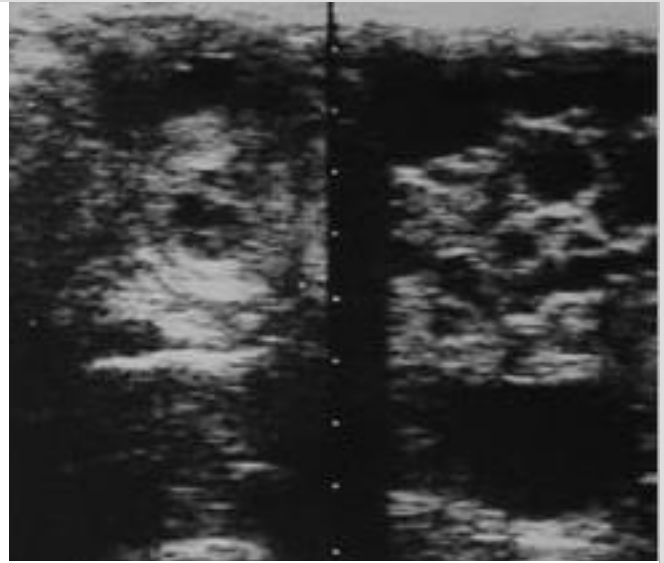
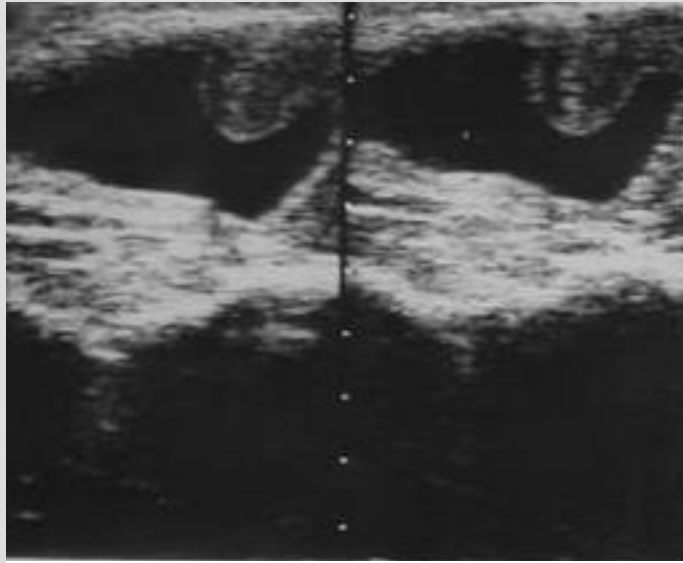
Distance
1.57 cm











TOKIMEC
CN-3030

UT_

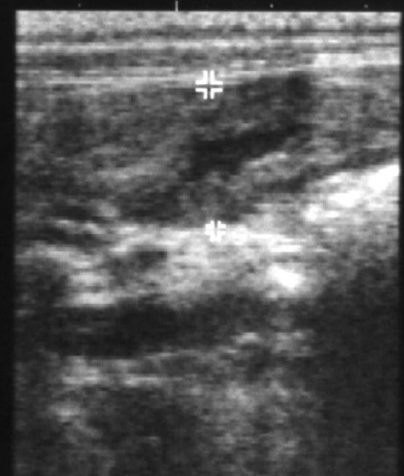
FMUZ-USP

147398 F
2A SRD
CAN TUTI

Nov/04/03
9:57

Probe
1 SC 5.0
 7A 7.5
EE0

D+ 15
Dx



6 97 055 A 52 PRB2 + 1.50

TOKIMEC
CN-3030

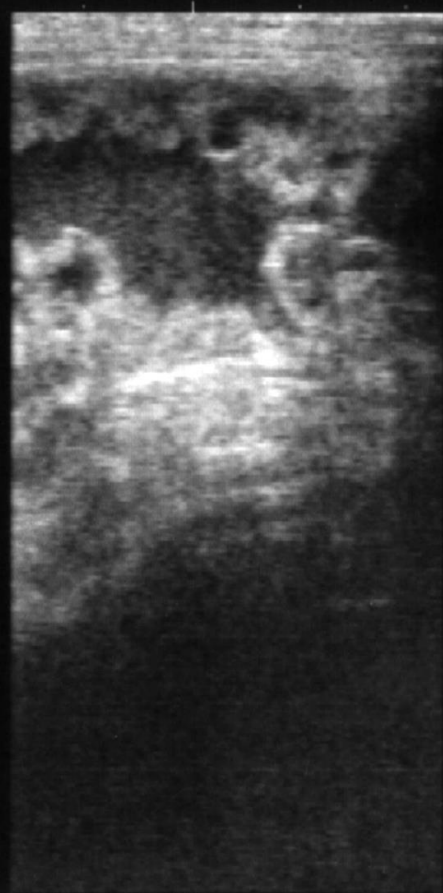
UT_

FMUZ-USP

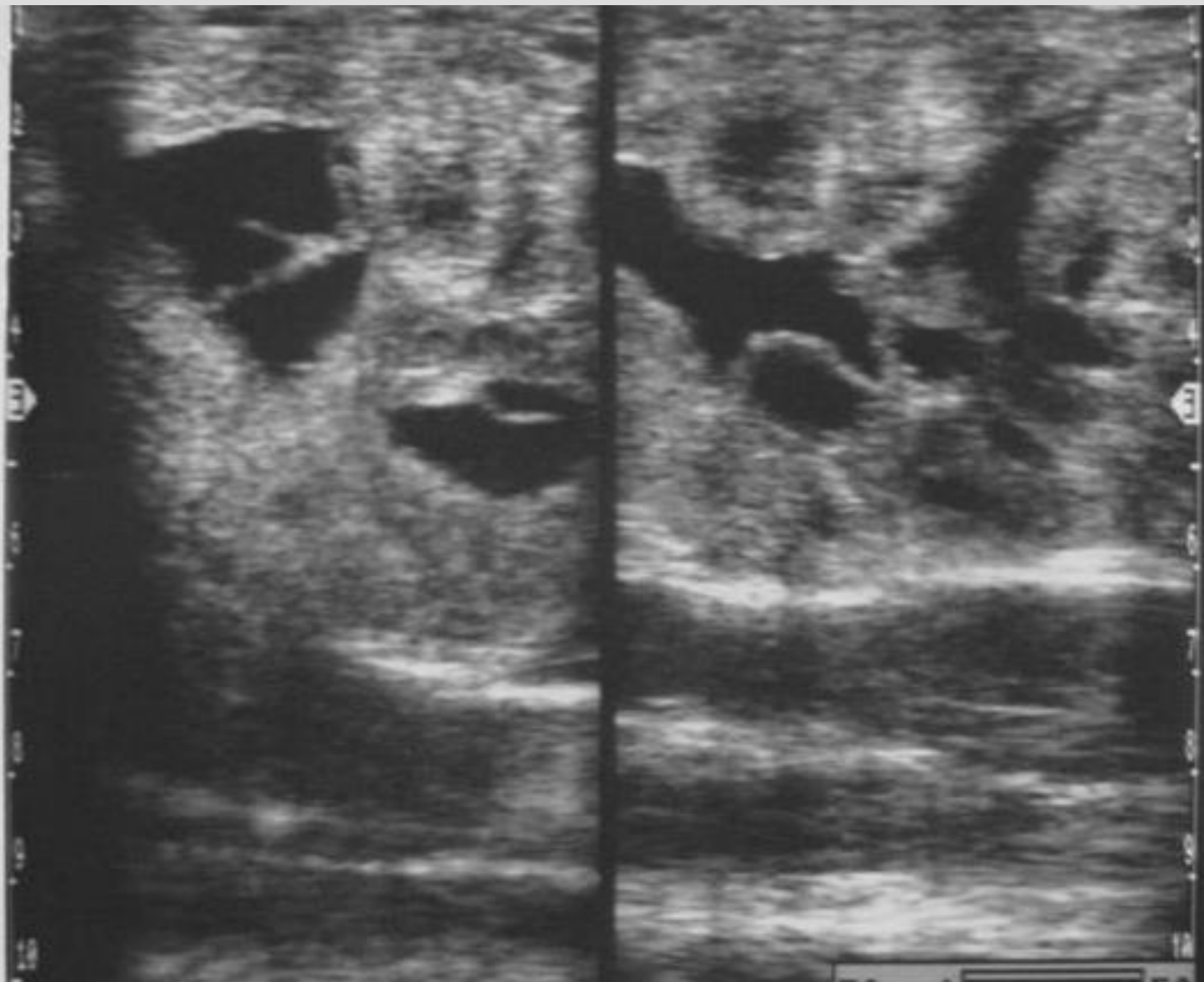
147789 F
CAN SRD
LENNIE
14AN03

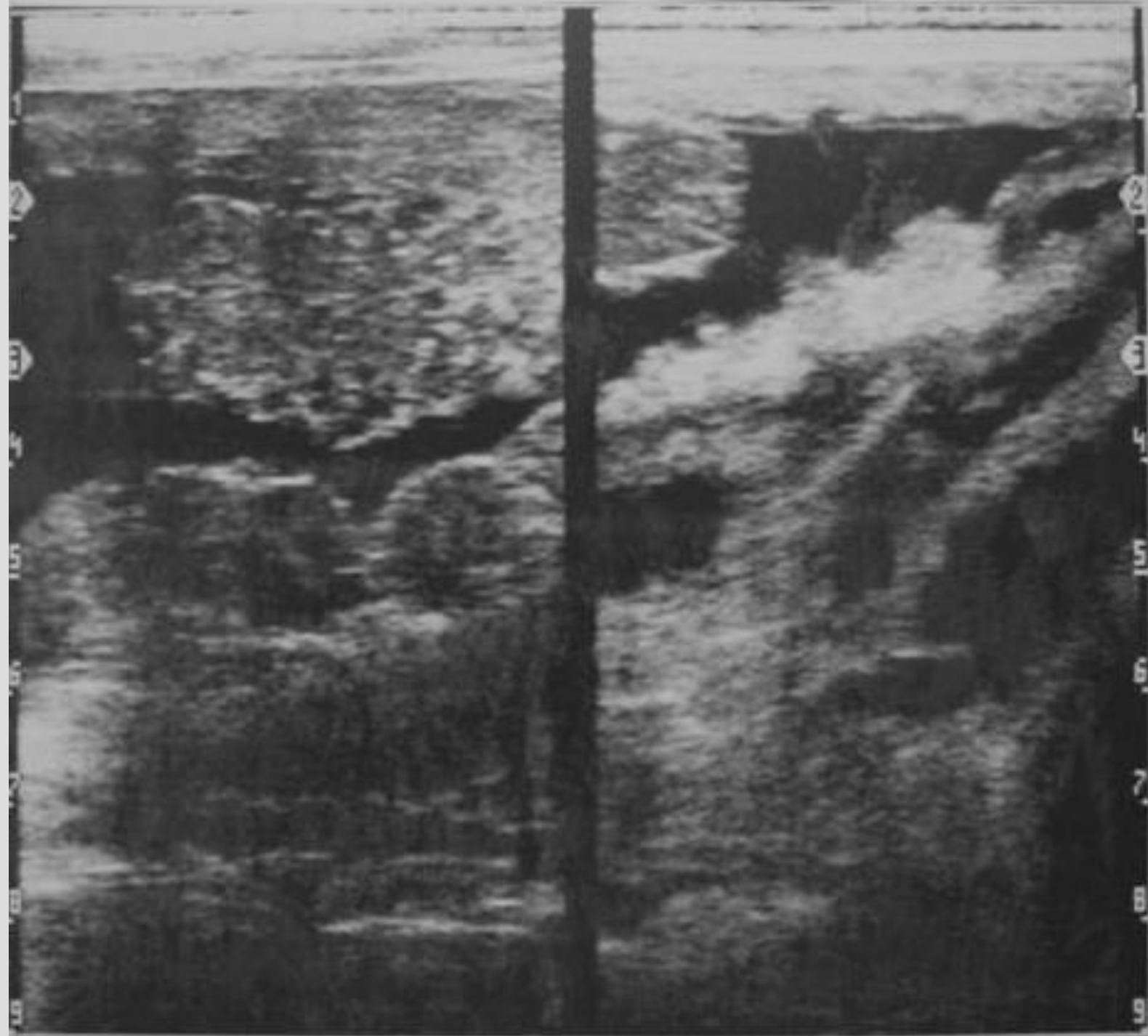
Nov/10/03
11:57

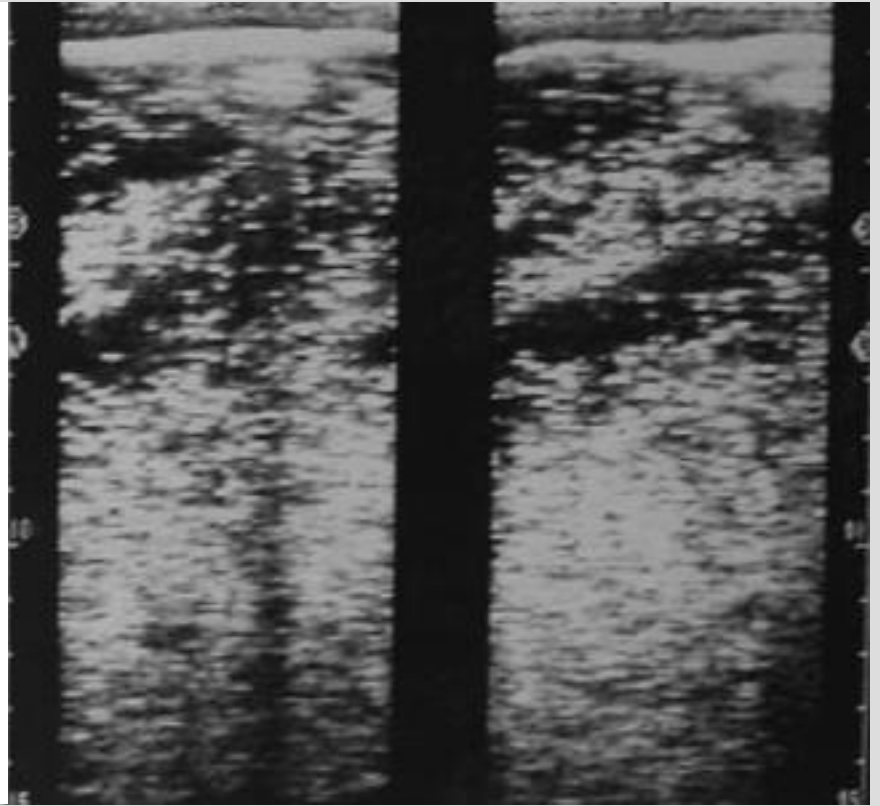
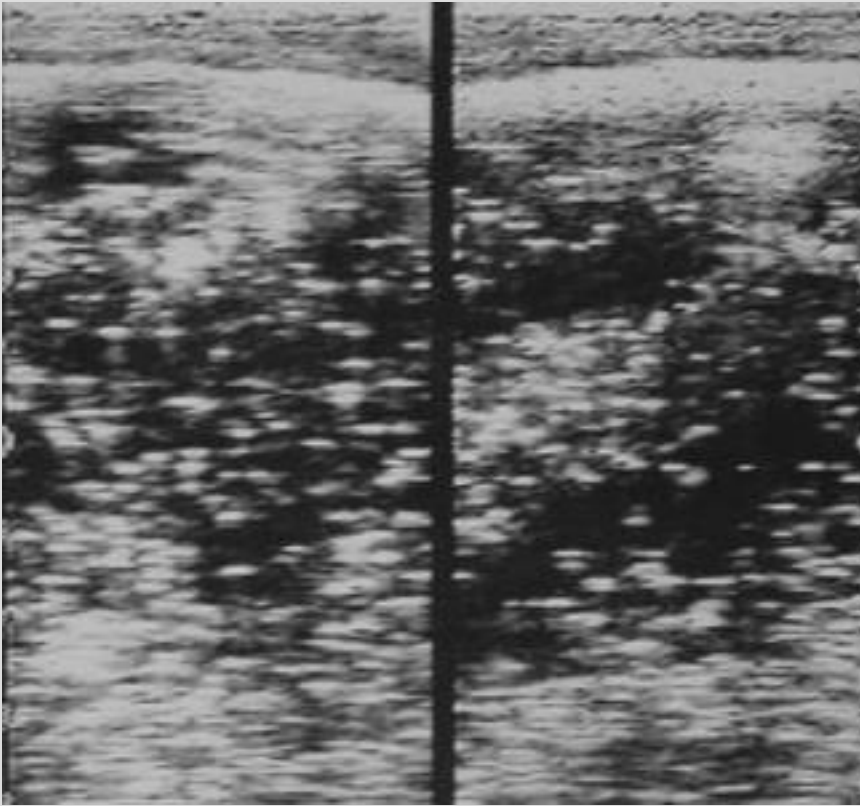
Probe
1 SC 5.0
 7A 7.5
EE0



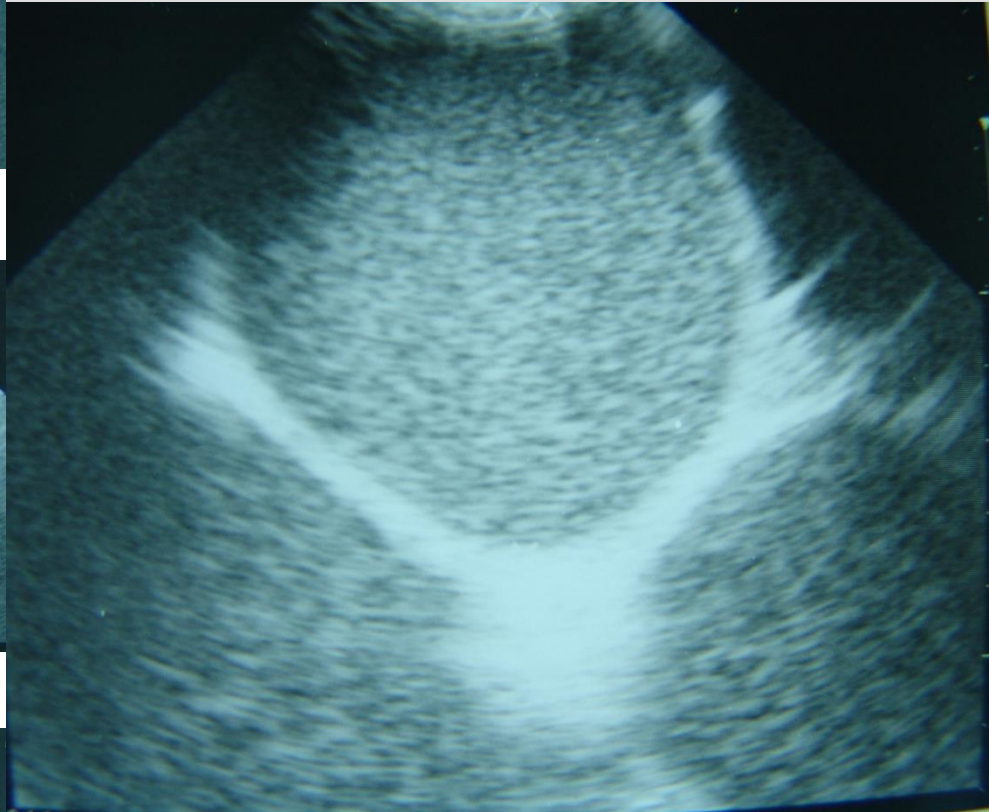
6100 055 A 52 PRB2 + 1.50



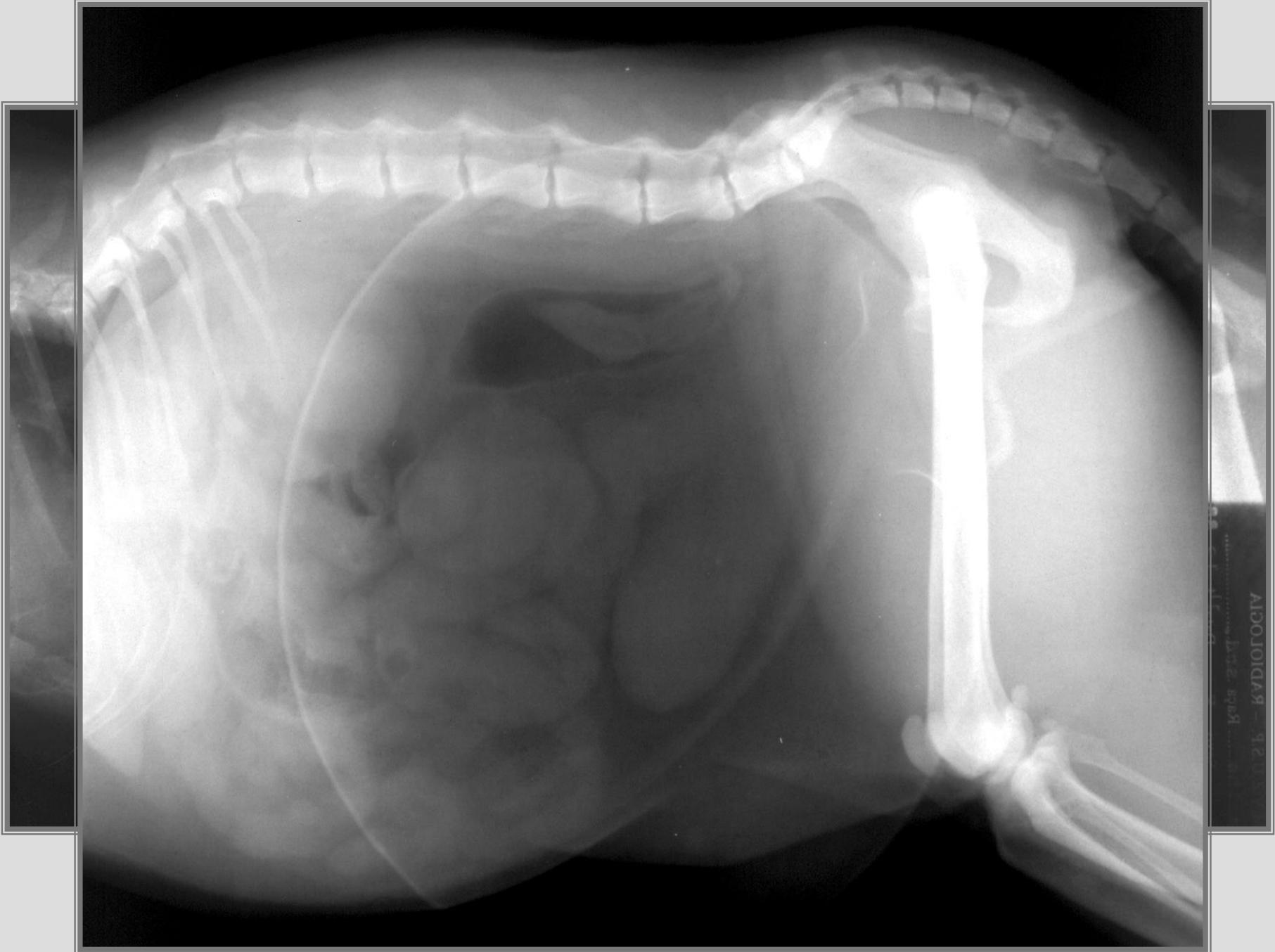












ΑΙΟΛΟΓΙΑ - ΡΑΔΙΟΛΟΓΙΑ
Καθηγητής: Κωνσταντίνος Κωνσταντίνου

TOKIMEC
CS-3030

UTERO_

FMUZ-USP

138366 F
CAN 6A
LABRADOR
PANTERA

Jan/09/03
9:37

Probe
1 7A 7.5
2 5C 5.0
EE0

D+ 31
Dx



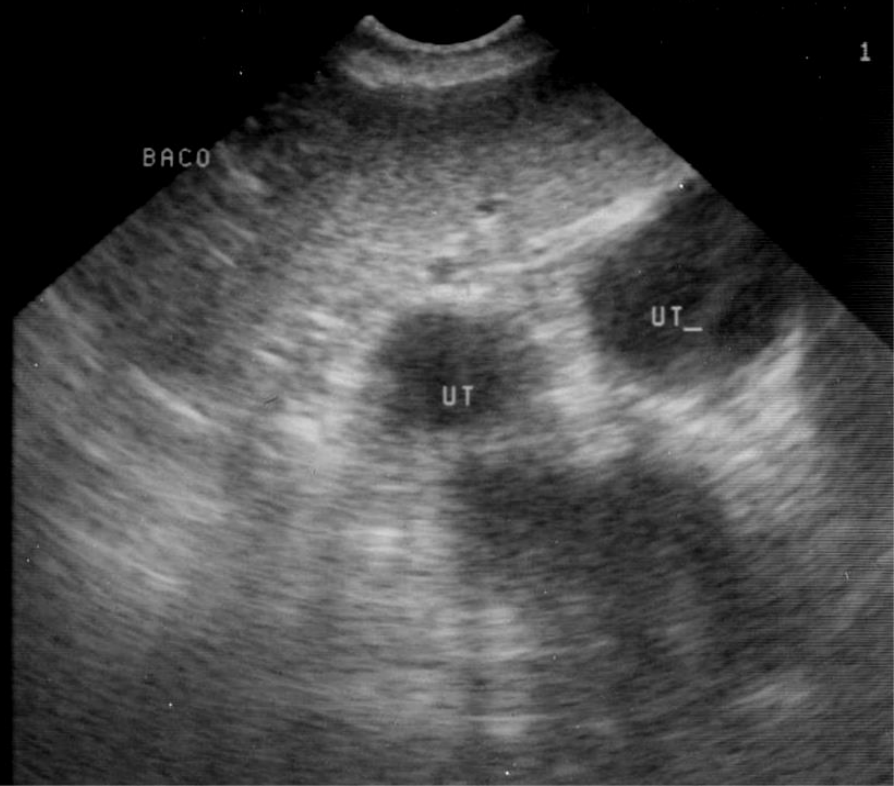
TOKIMEC
CS-3030

FMUZ-USP

138366 F
CAN 6A
LABRADOR
PANTERA

Jan/09/03
9:42

Probe
1 7A 7.5
2 5C 5.0
EE0





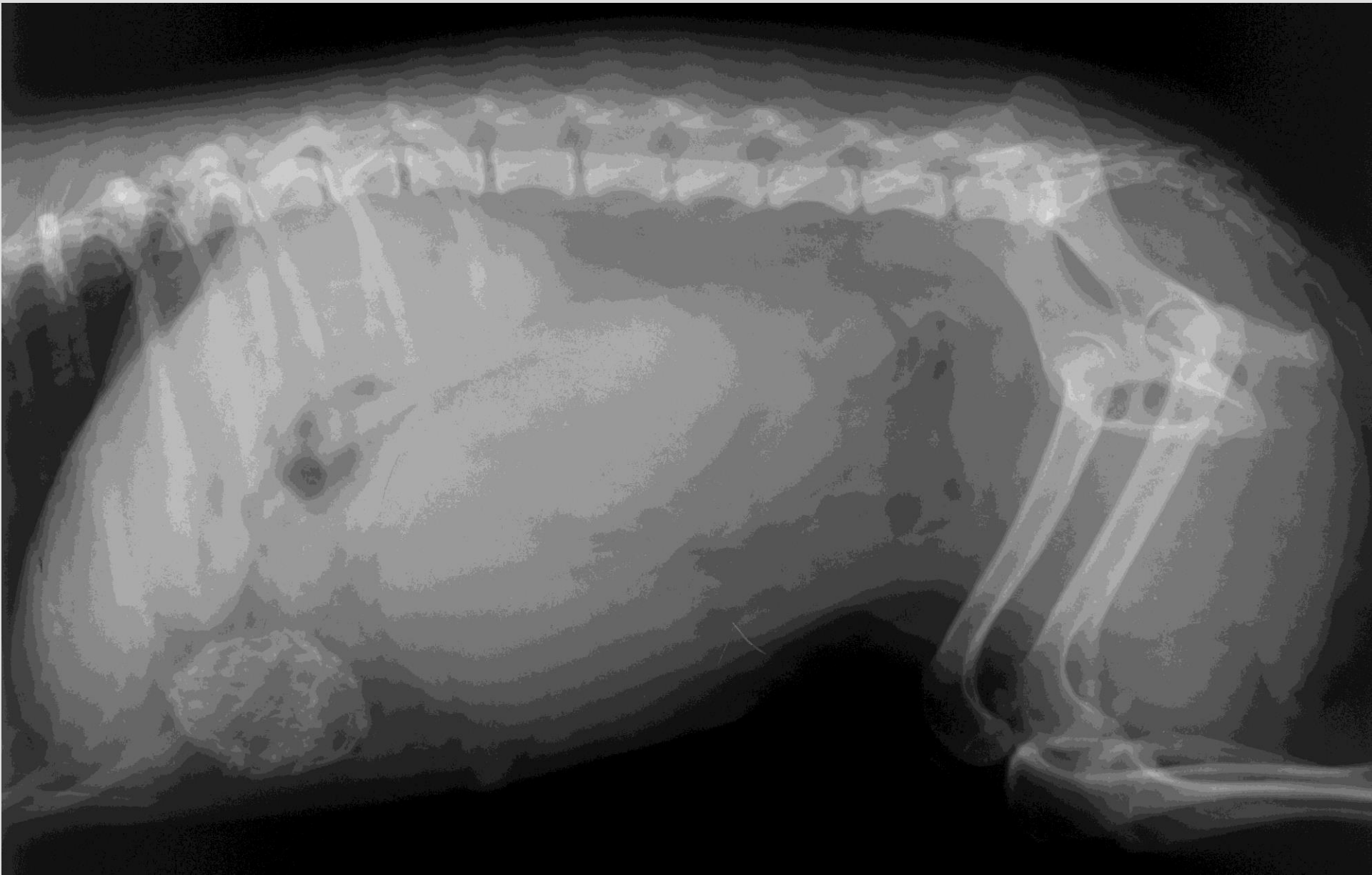


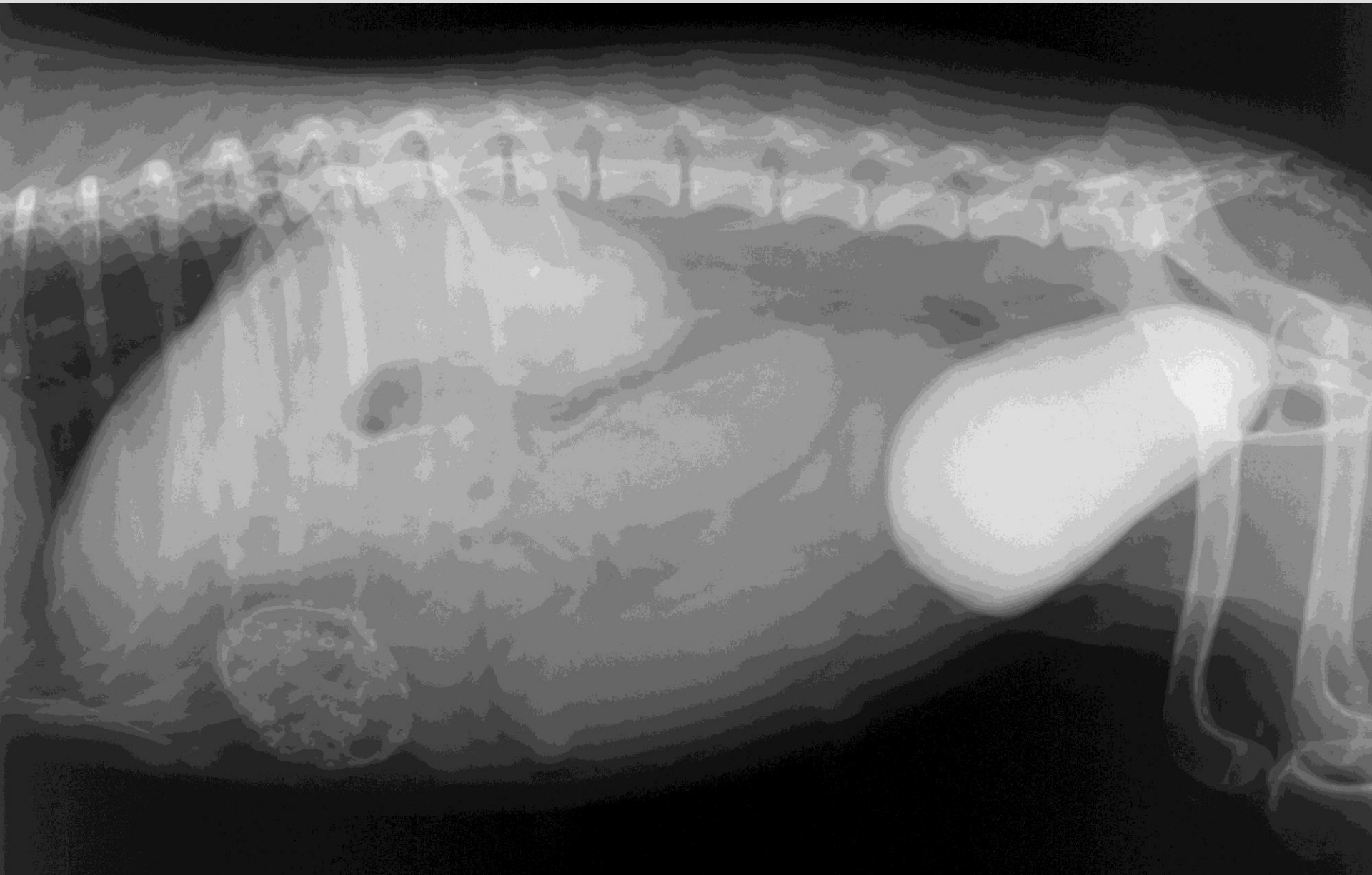
ING E





esp. Raça
Idade Sexo Data 02/21/20
Rad.no. 30593 R.G. 132103





000 XUXA, CAN, SRD, F
FMVZ - USP

136905, 6A
C7-4 Abd/Abd-P

10 Mar 03
13:55:17

TIs 0.1 M
Fr #159 8

lap 3
50dB/C 3
Persist Med
D Opt:Res
r Rate:High

ATL

COTO
UTERINO

1.61cm
1.13cm

-0
-1
-2
-3
-4
-5
-6
-7

TOKINEC
CN-3030

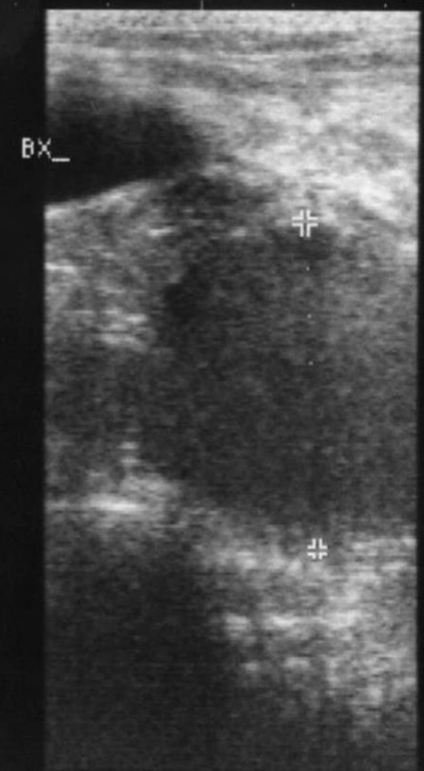
FMVZ-USP

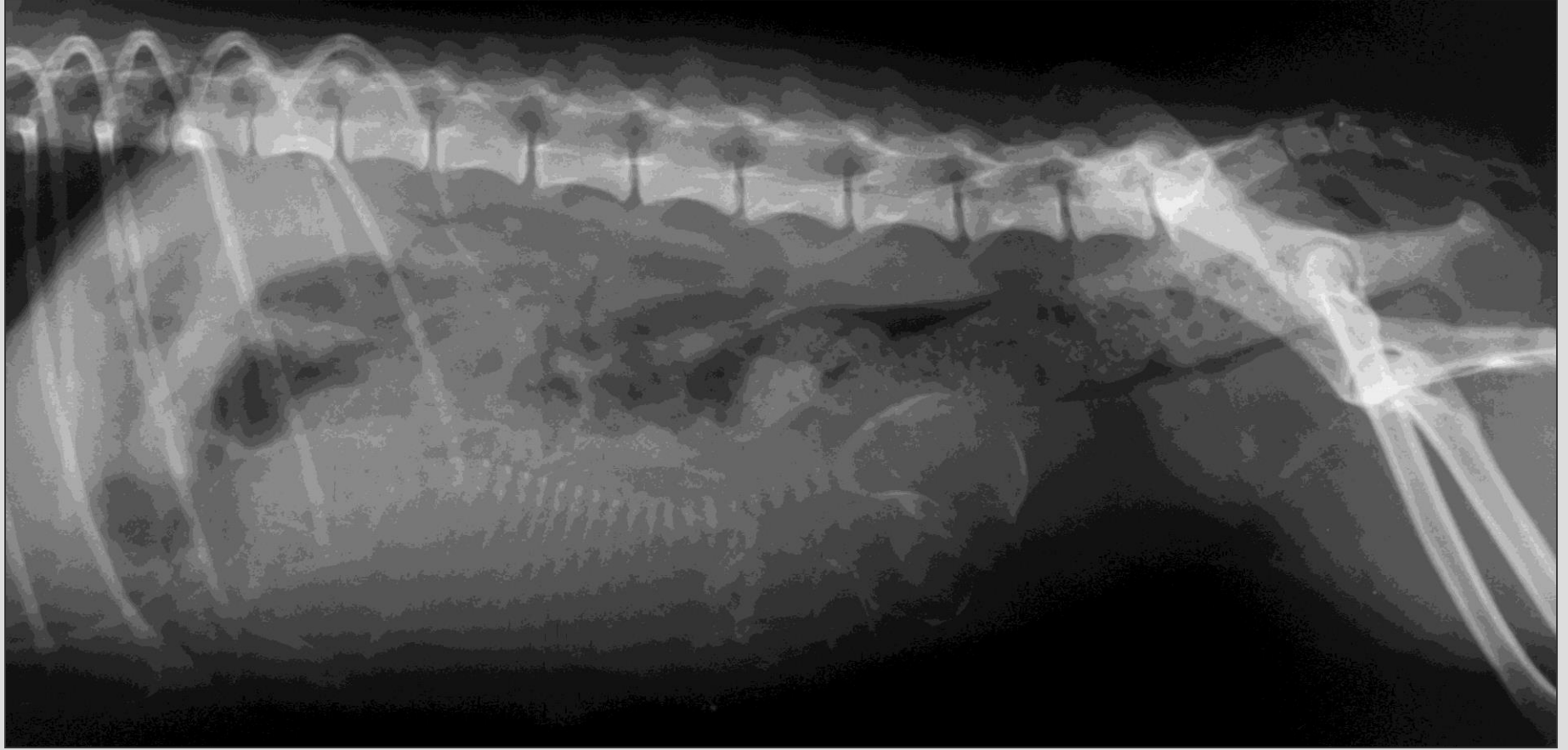
138055
CAN SRD F
GIGI 8A

Jan/00/03
15:13

Probe
1 TA 7.5
2 SC 5.0
EE0

D+ 34
Dx











LLD

p 3
dB/C 4
sist Med
Opt:Gen
Rate:High

ATL



-0

-1 4

-2

-3

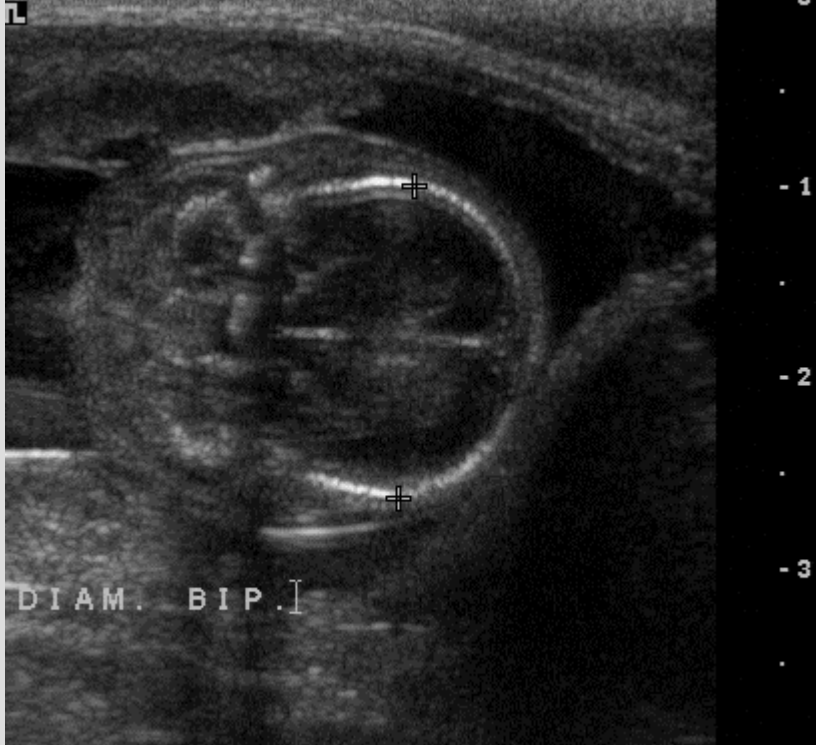




LLD

S: 21
Z:
C: 45
W: 99
Compressed 32:
IM: 100





HDI
5000

222840 M, CAN SRD
FMVZ - USP

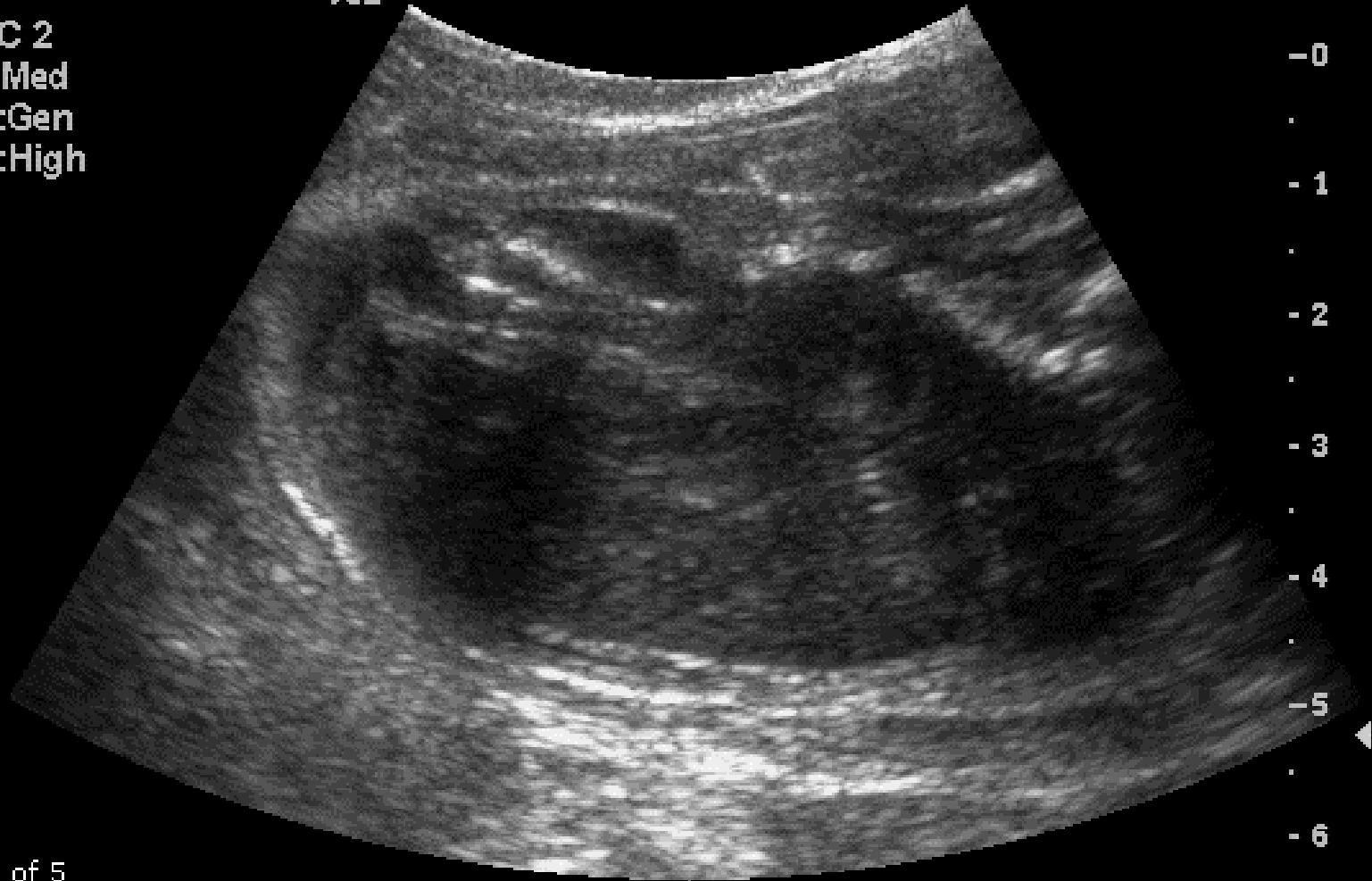
WILLIAM 17A
C7-4 Generic

28 Feb 12
13:57:20

TIs 0.2 MI 0.7
Fr #234 6.4 cm

Map 3
150dB/C 2
Persist Med
2D Opt:Gen
Fr Rate:High

ATL



AL

