

**Everything you ever
wanted to know about
ENDOMETRIOSIS but
were afraid to ask!**



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Overview:

- 1) Why is Endometriosis a problem?
- 2) Defining the disease
- 3) Pathogenesis
- 4) Anatomy refresher
- 5) Diagnosis
- 6) Treatment

Is endometriosis a problem?

- Incidence: 11%*
- CC? $346,956 \times 51.5\% \times 46.8\% \times 11\% = 9198^*$
- Delayed diagnosis, misdiagnosis, ignorance
- Diagnosis:
 - 10.4% on the first
 - 64.1% up to 10 consultations
 - 7.5% took between 10 and 20 consultations
 - 28.4% reported taking more than 20
- $\frac{1}{4}$ = delay of 6 and 10 years
- $\frac{1}{4}$ = 11 or more years of delay.
- Most common misdiagnoses = Anxiety, depression or irritable bowel syndrome
- \$7.4 billion in Australia in 2017–18



Around **1 in 9** women born in 1973–78 were **diagnosed** with endometriosis by age 40–44



There were around **34,200** endometriosis-related hospitalisations in 2016–17



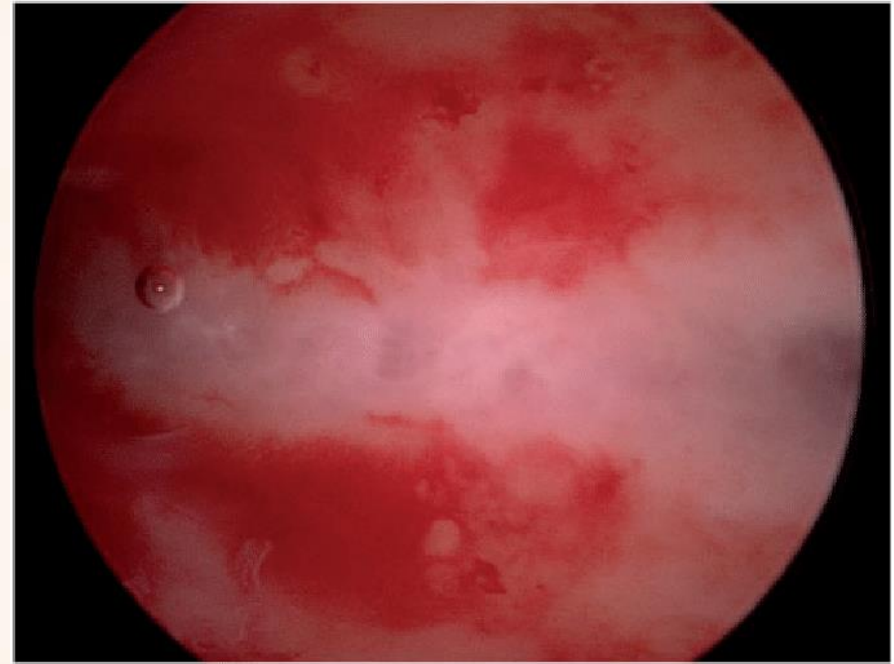
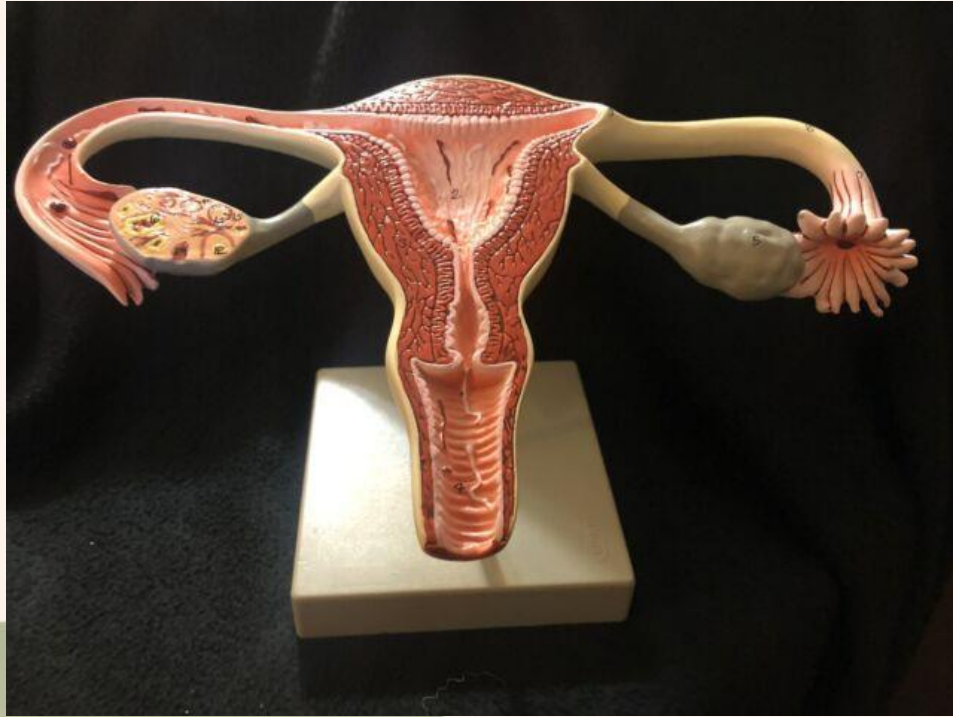
Nearly **4 in 5** (79%) endometriosis-related hospitalisations in 2016–17 were among females **aged 15–44**

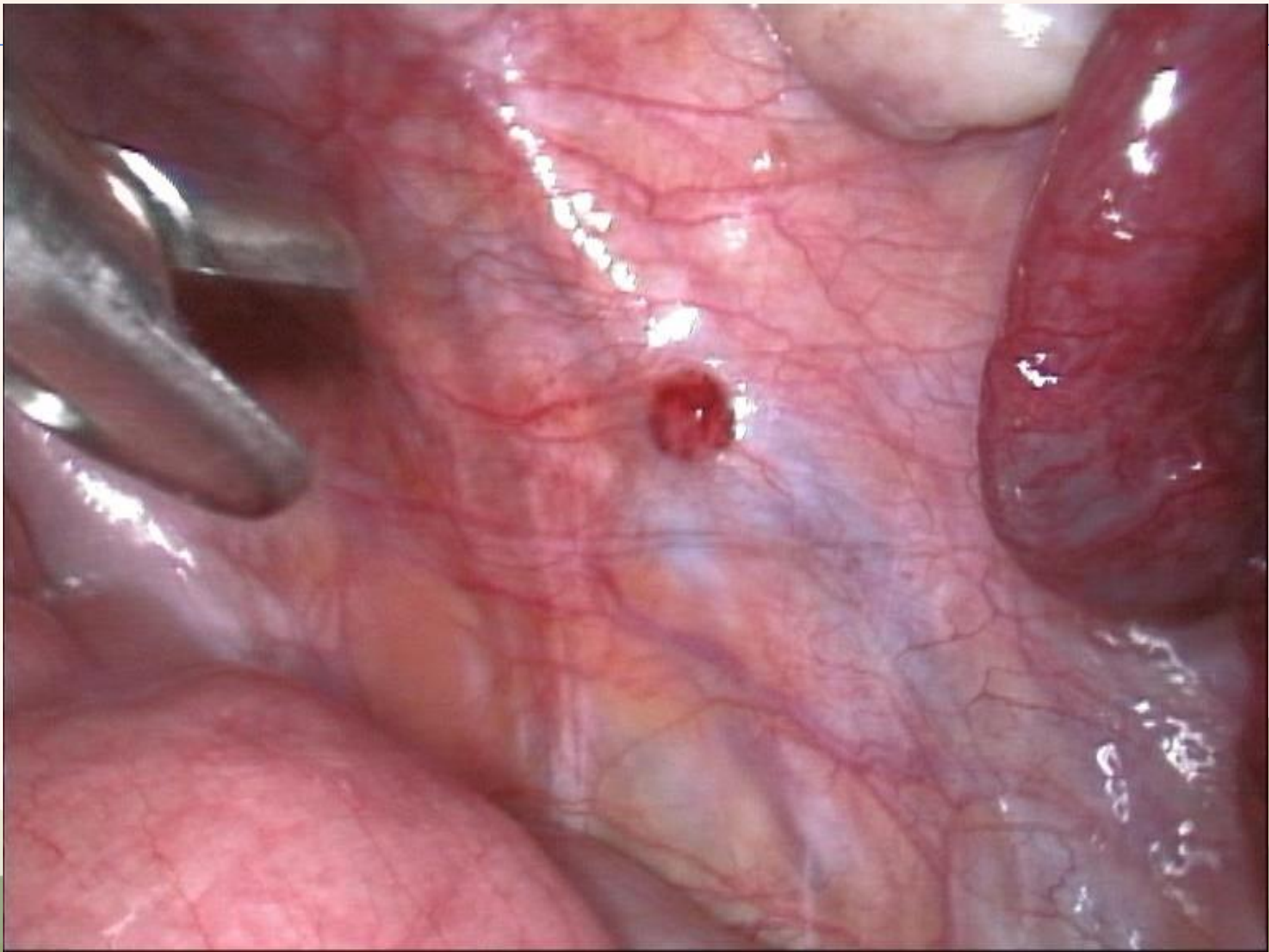


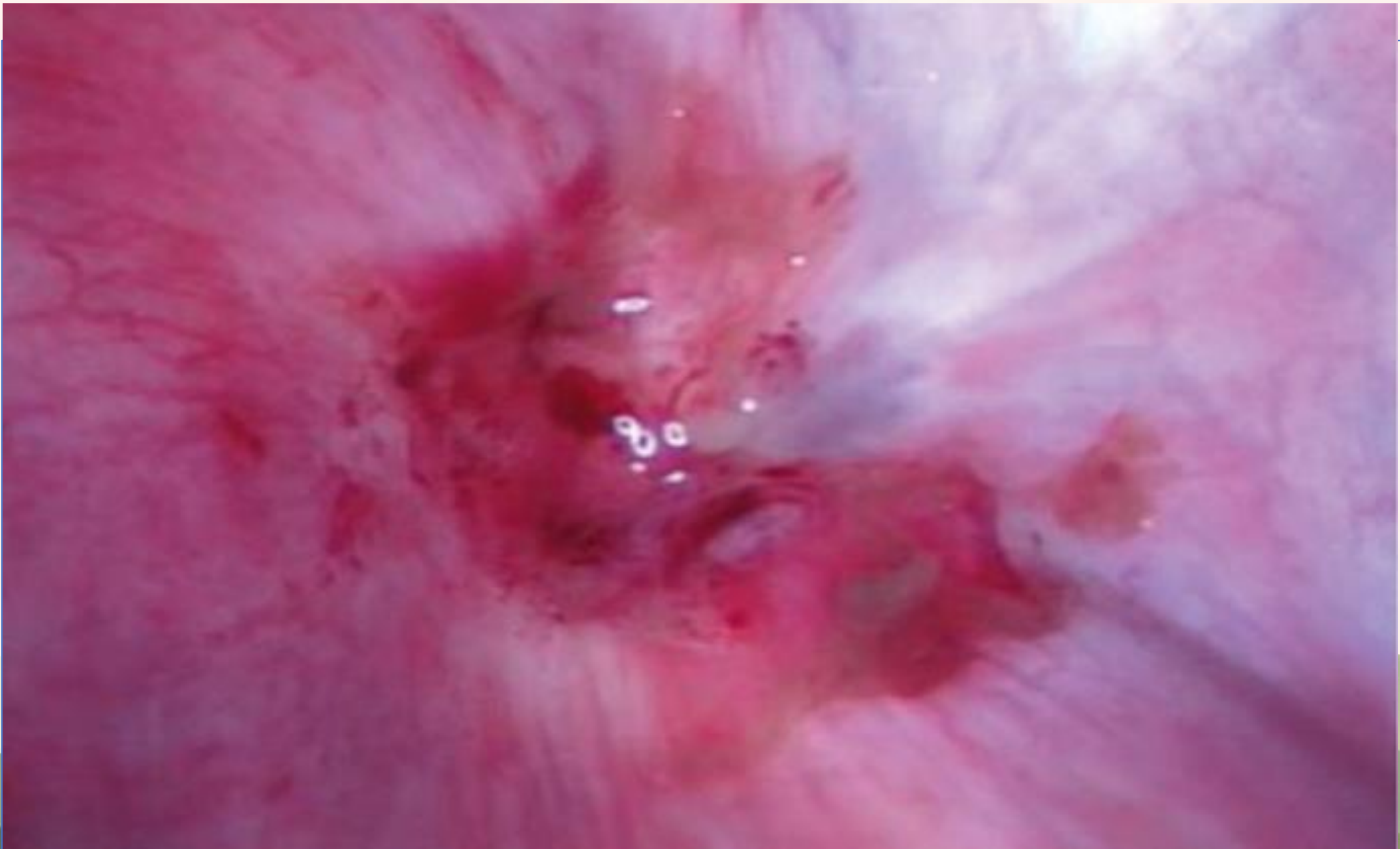
Around **15** of every 1,000 hospitalisations among females aged 15–44 in 2016–17 were endometriosis-related

Pelvic surface anatomy refresher

Endowhat?

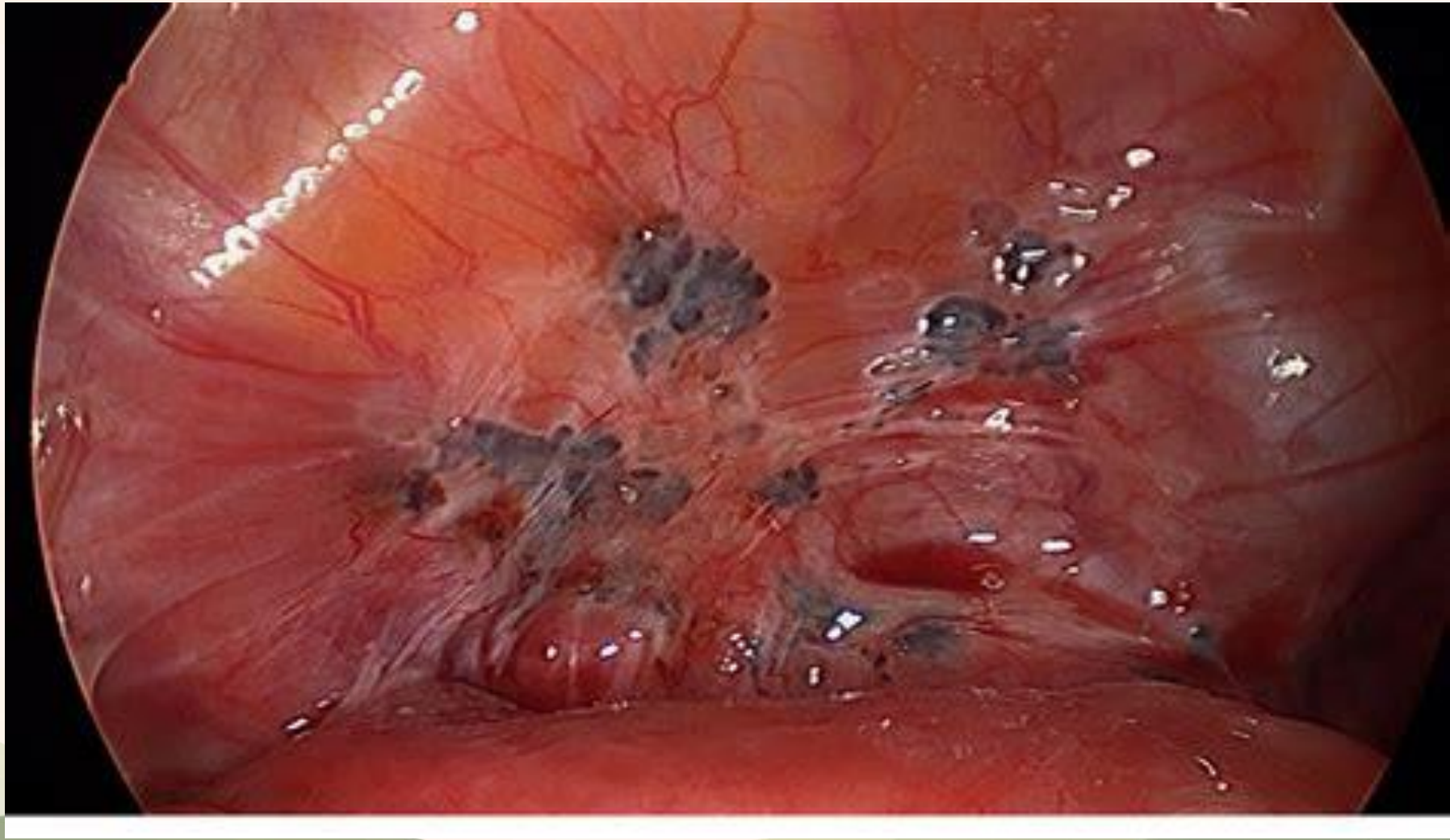


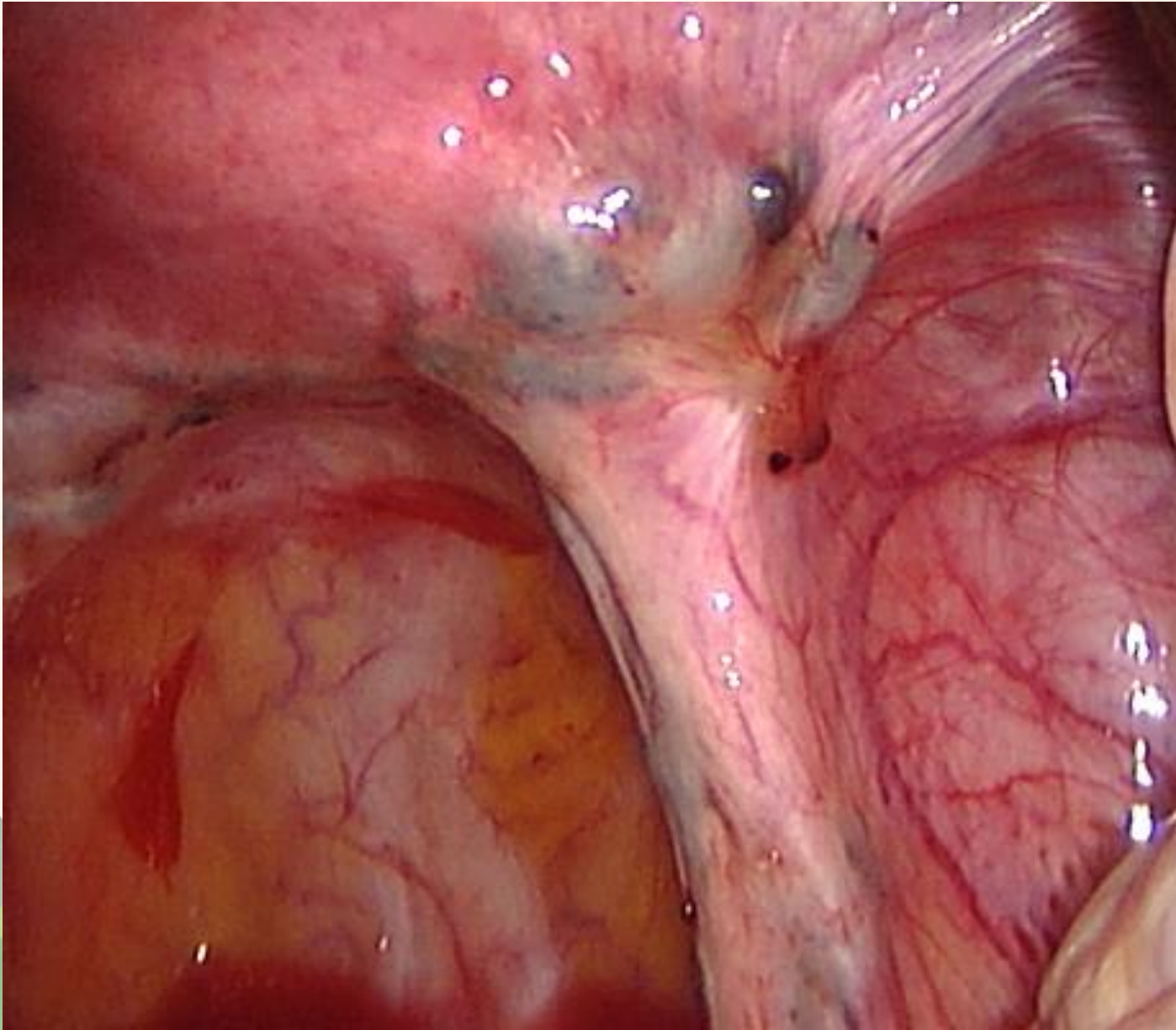




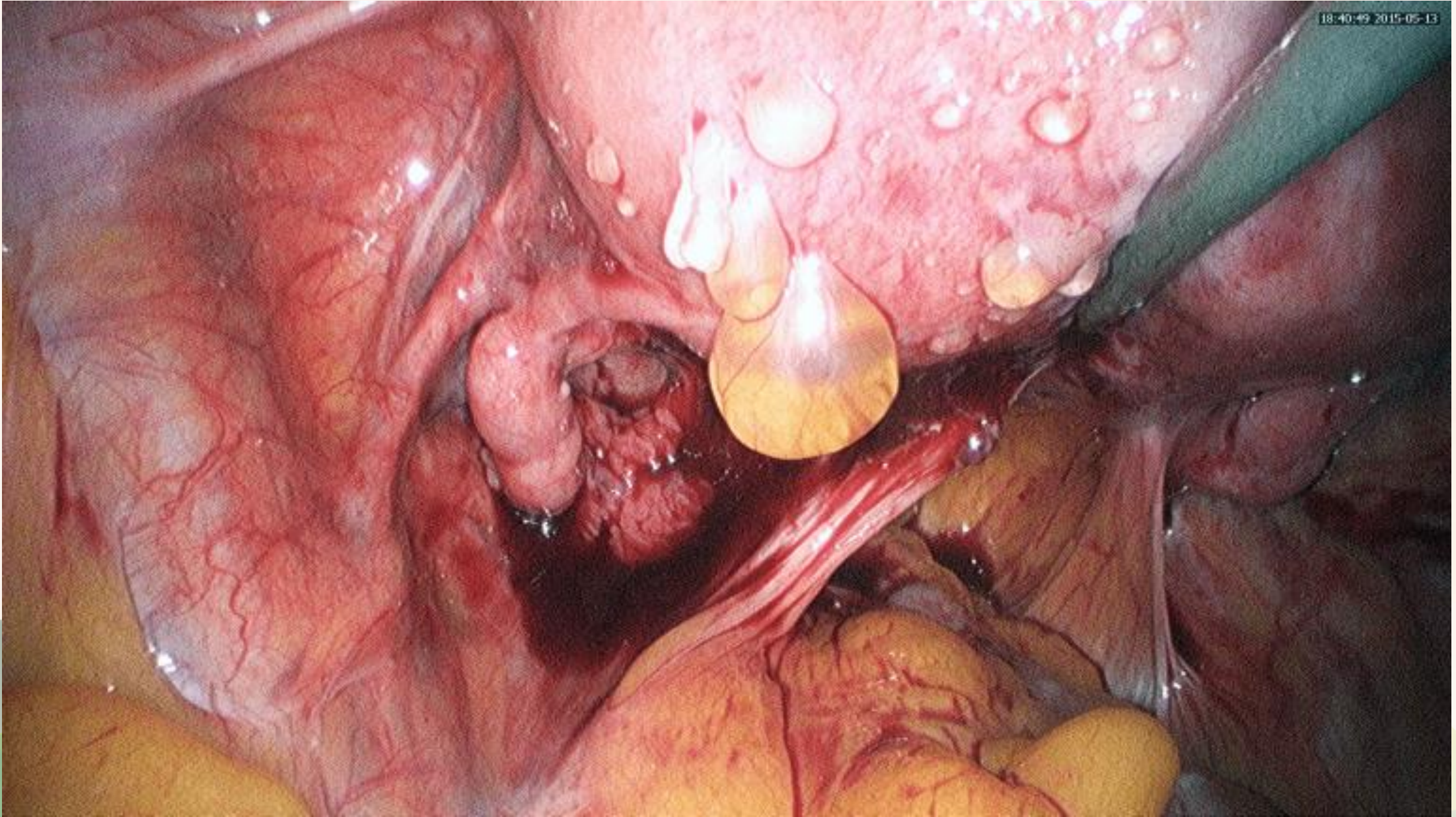


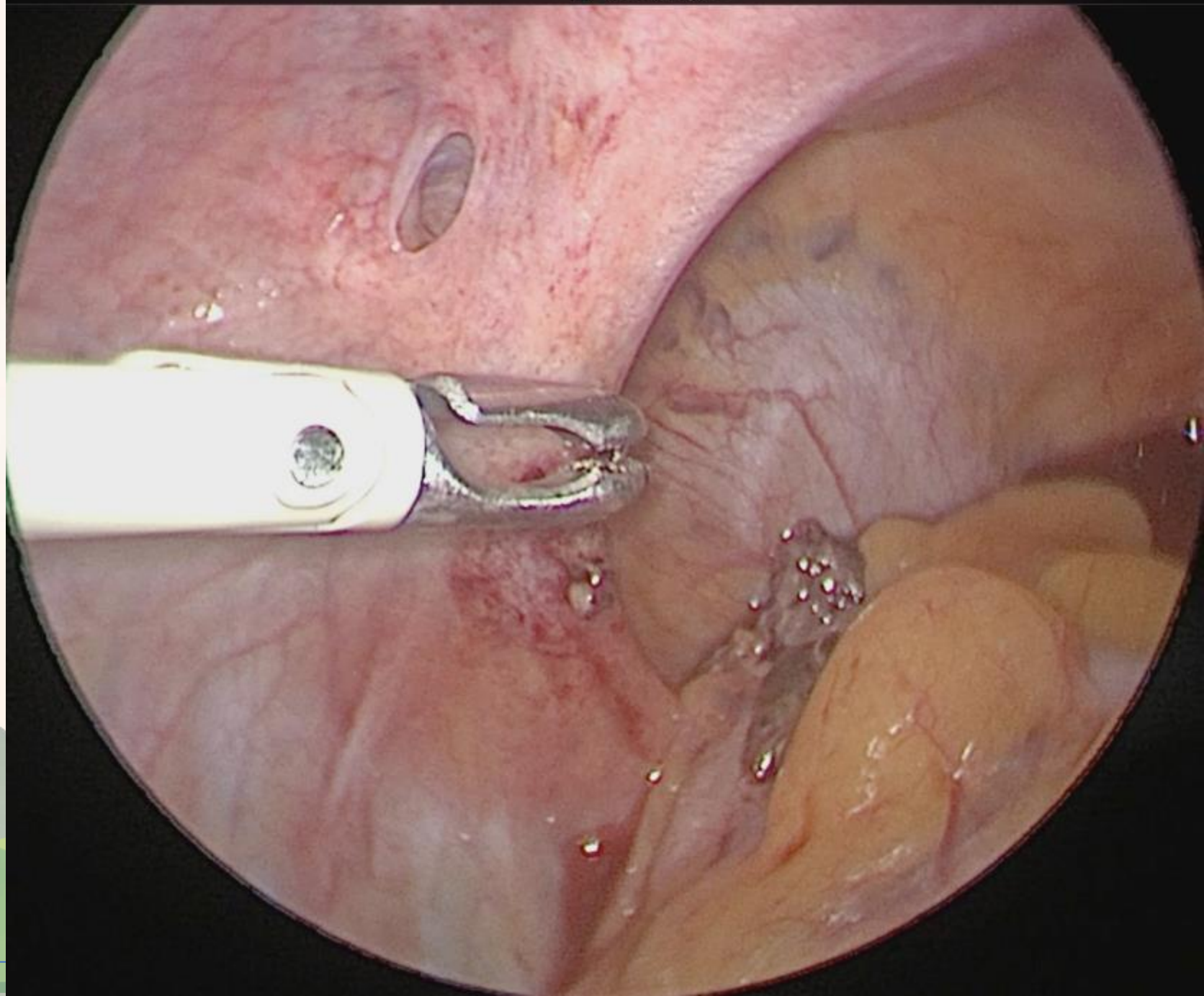


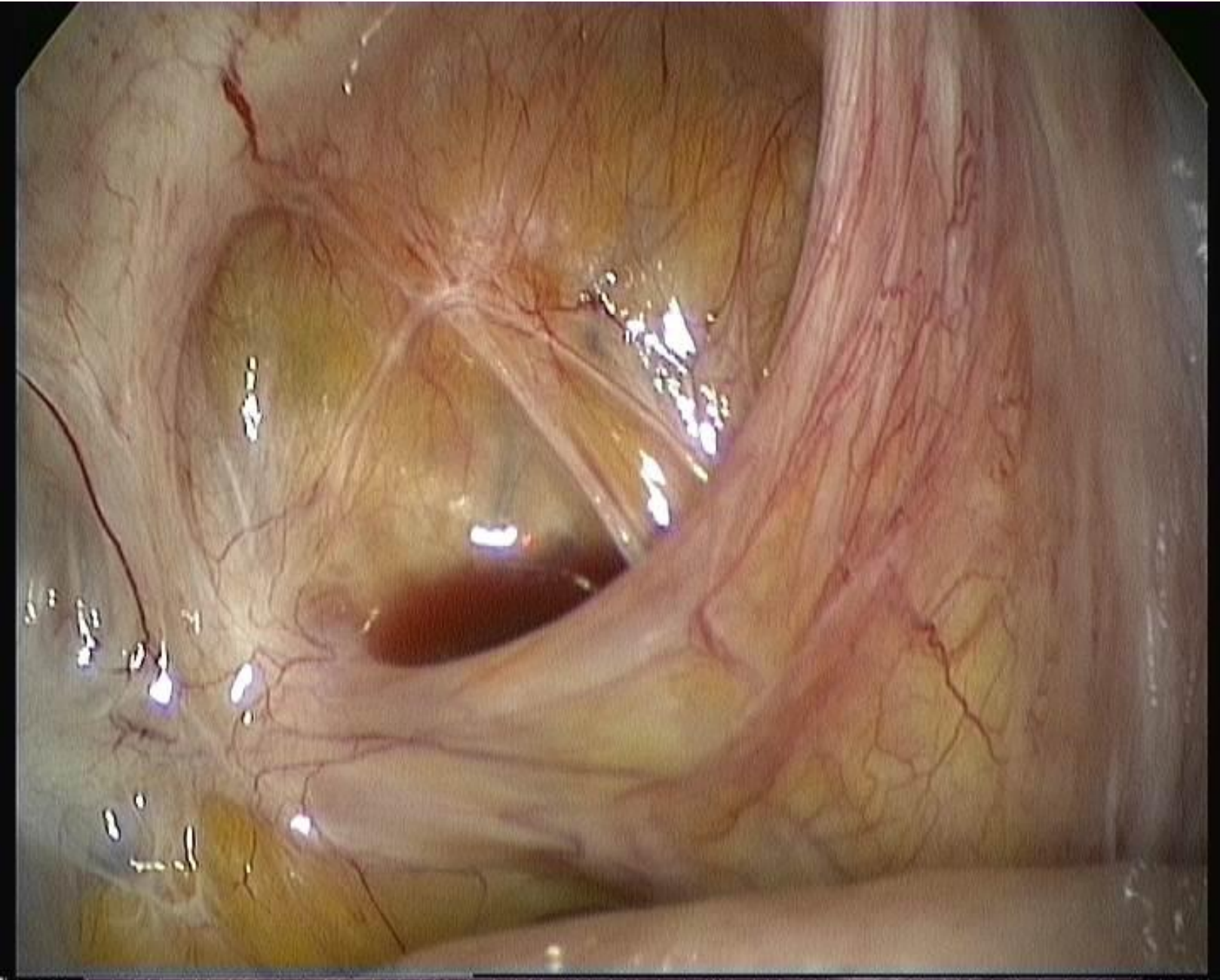


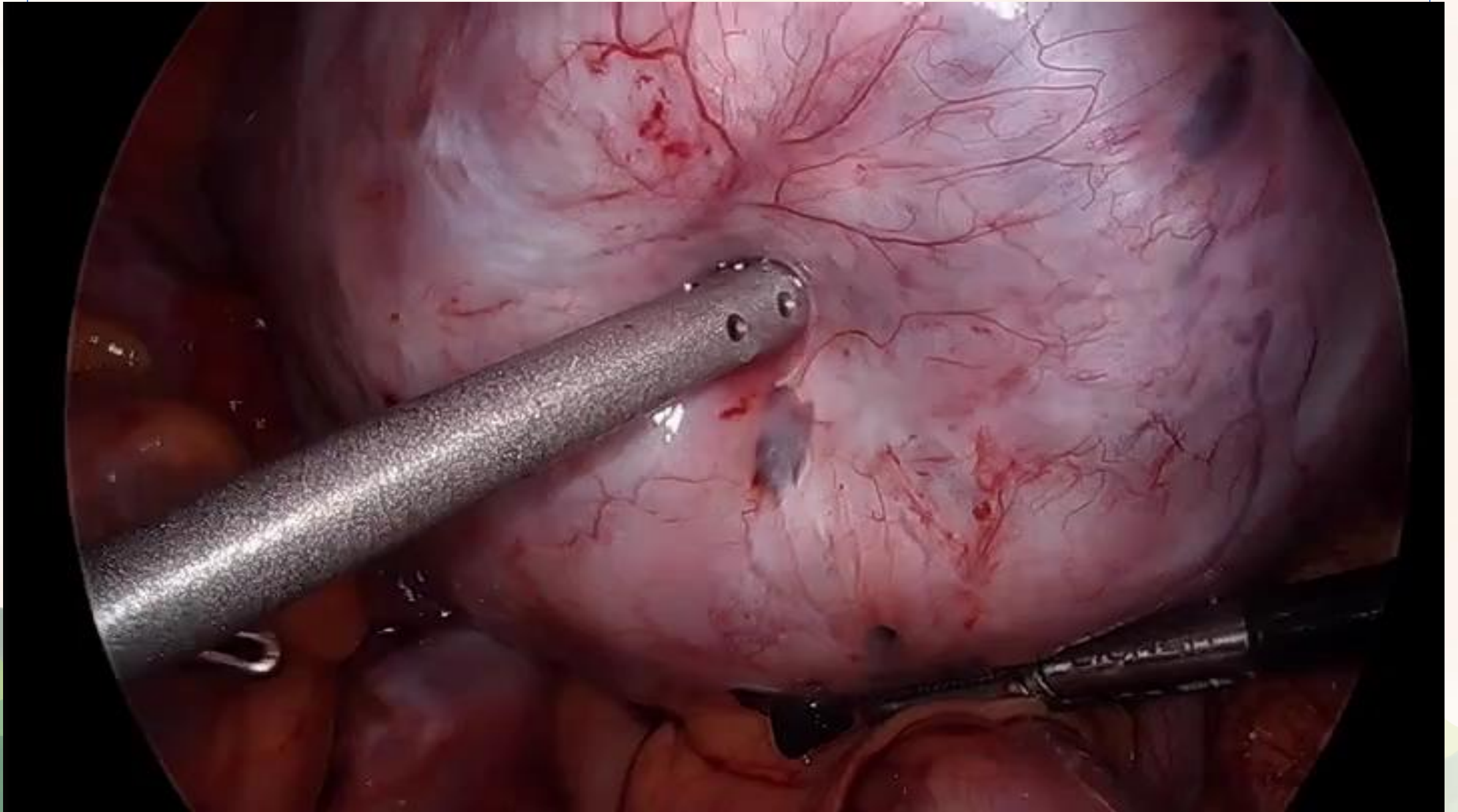


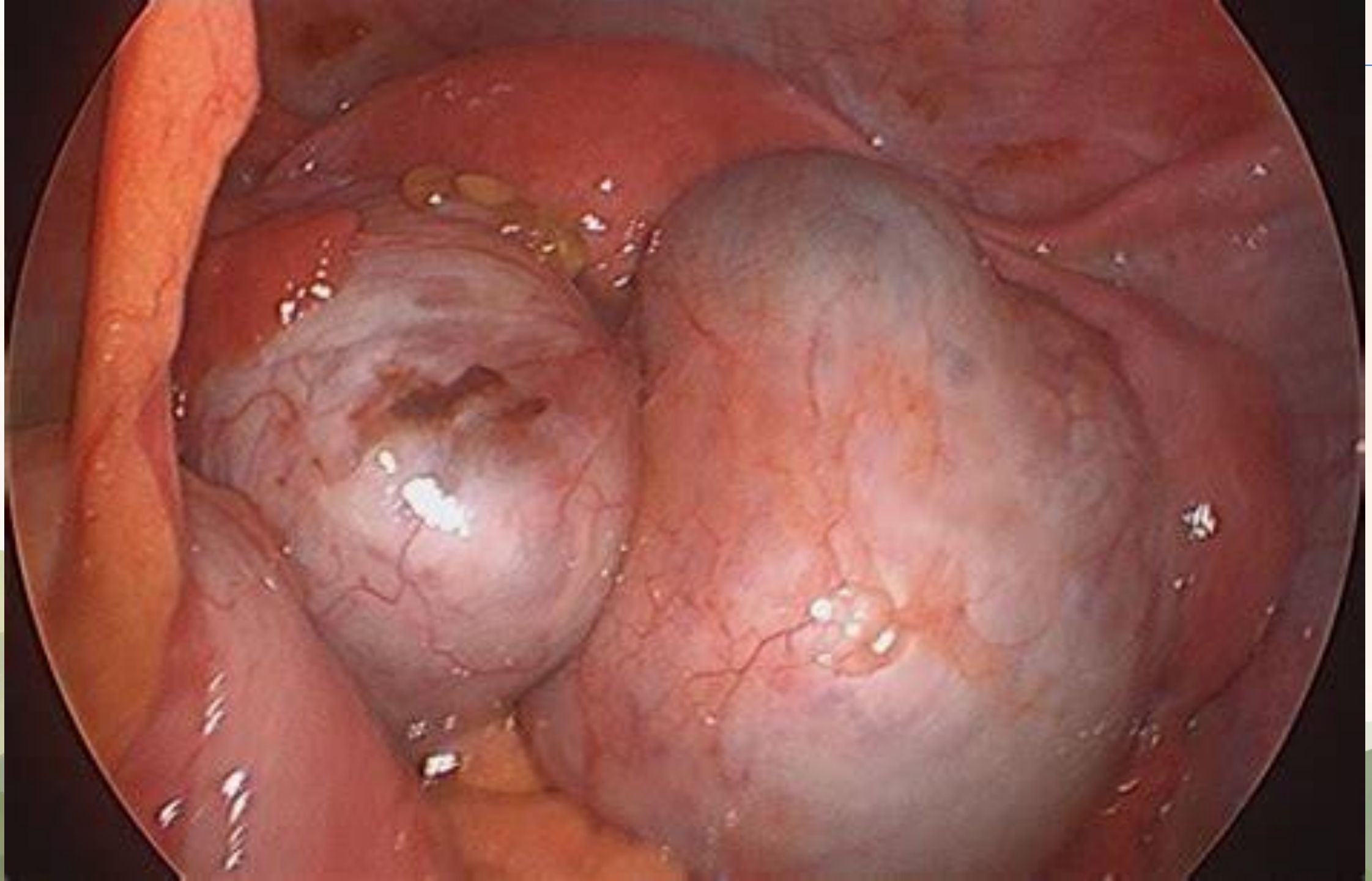
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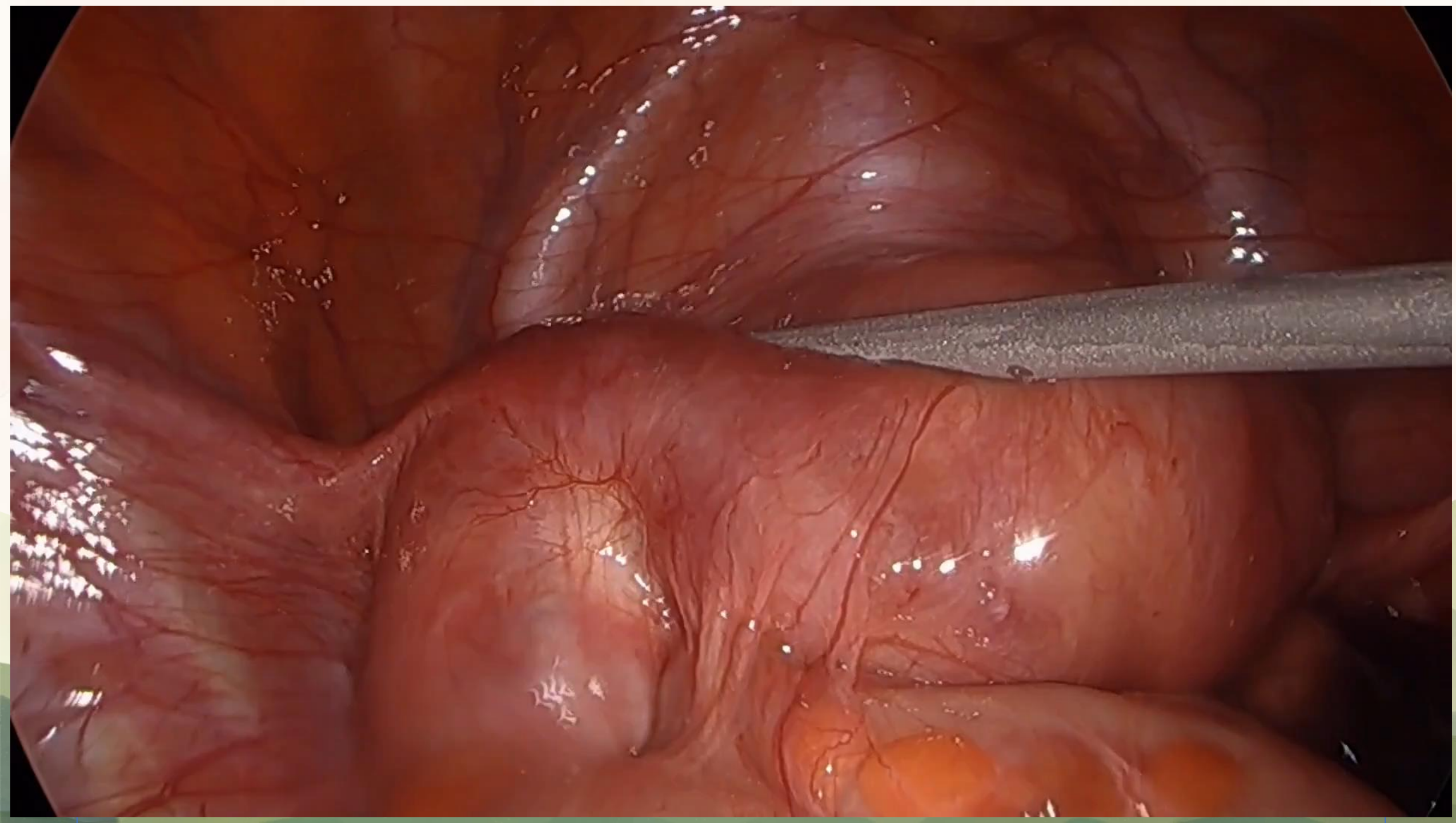










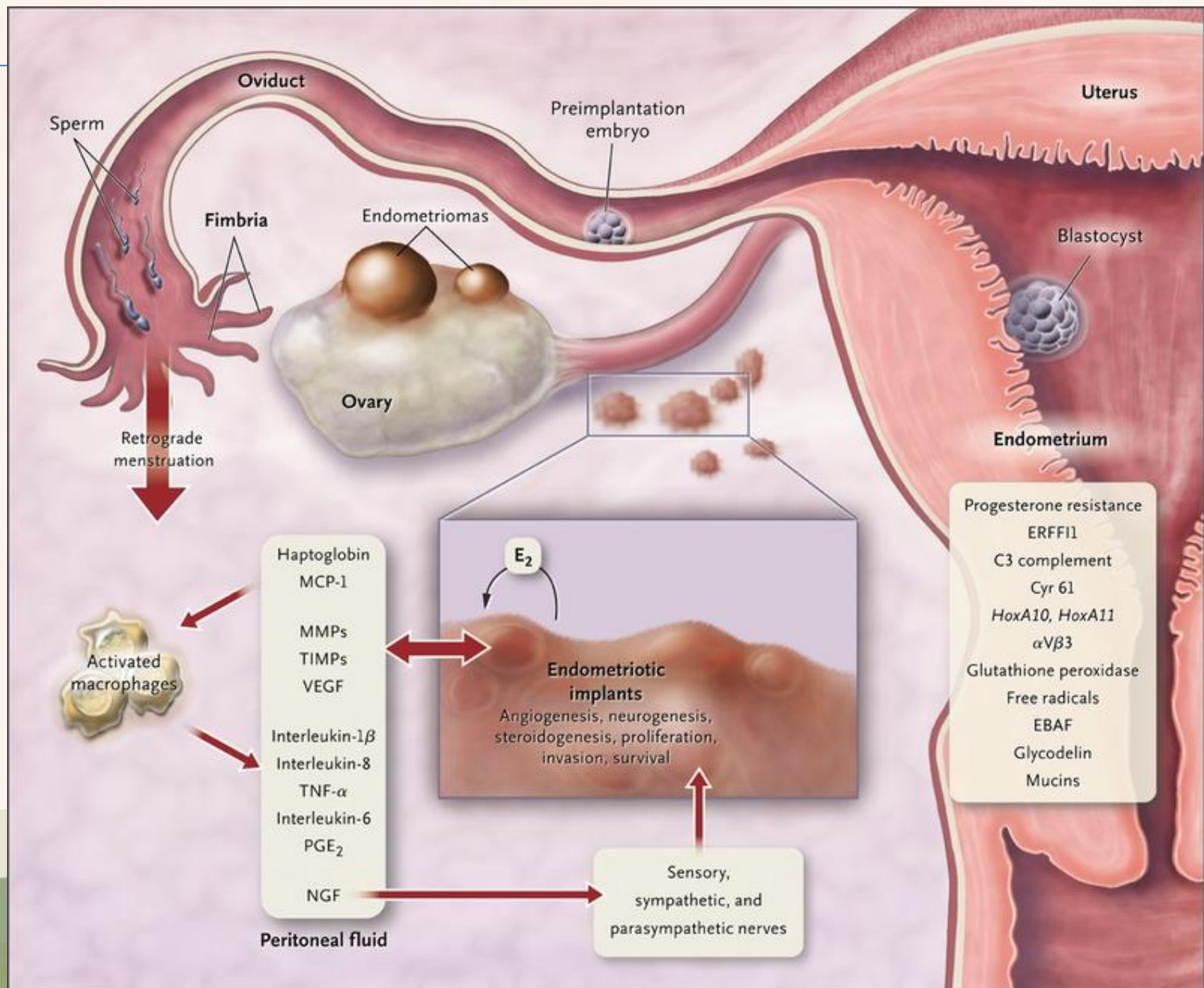


Pathogenesis....



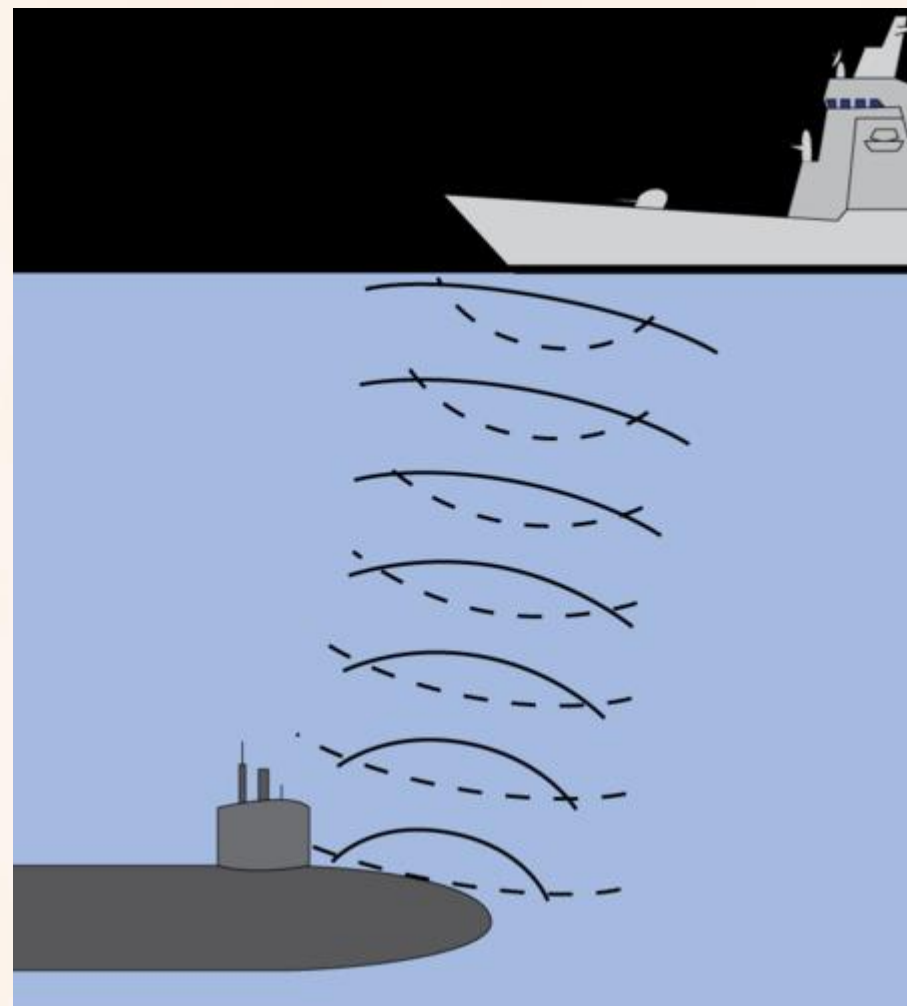
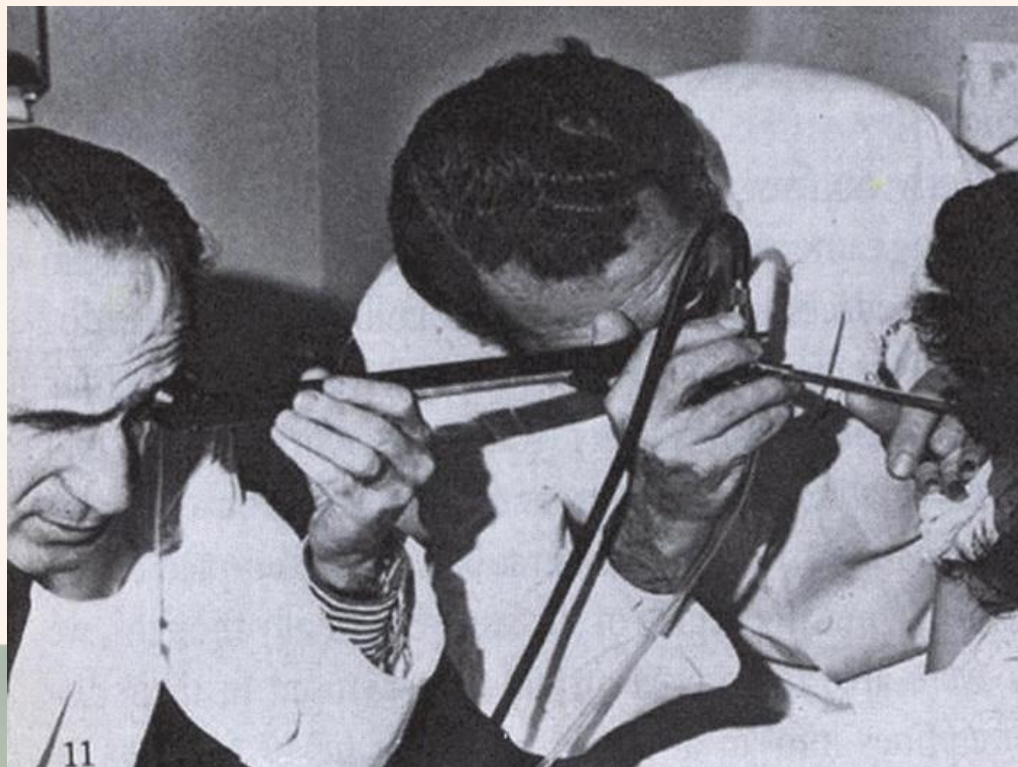
Clinical outcomes

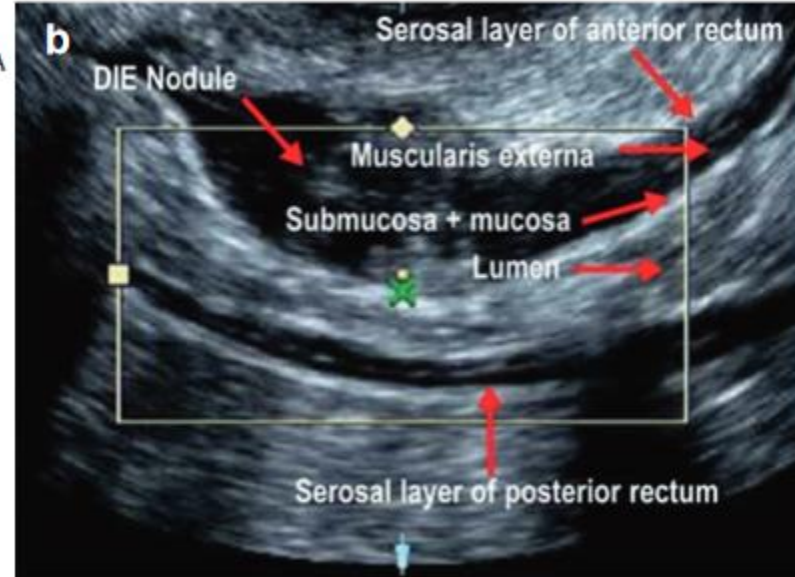
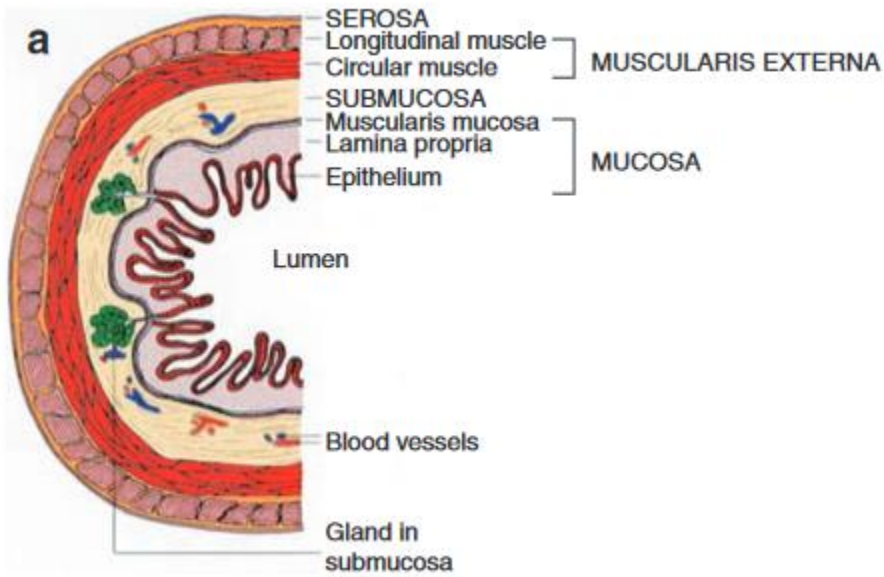
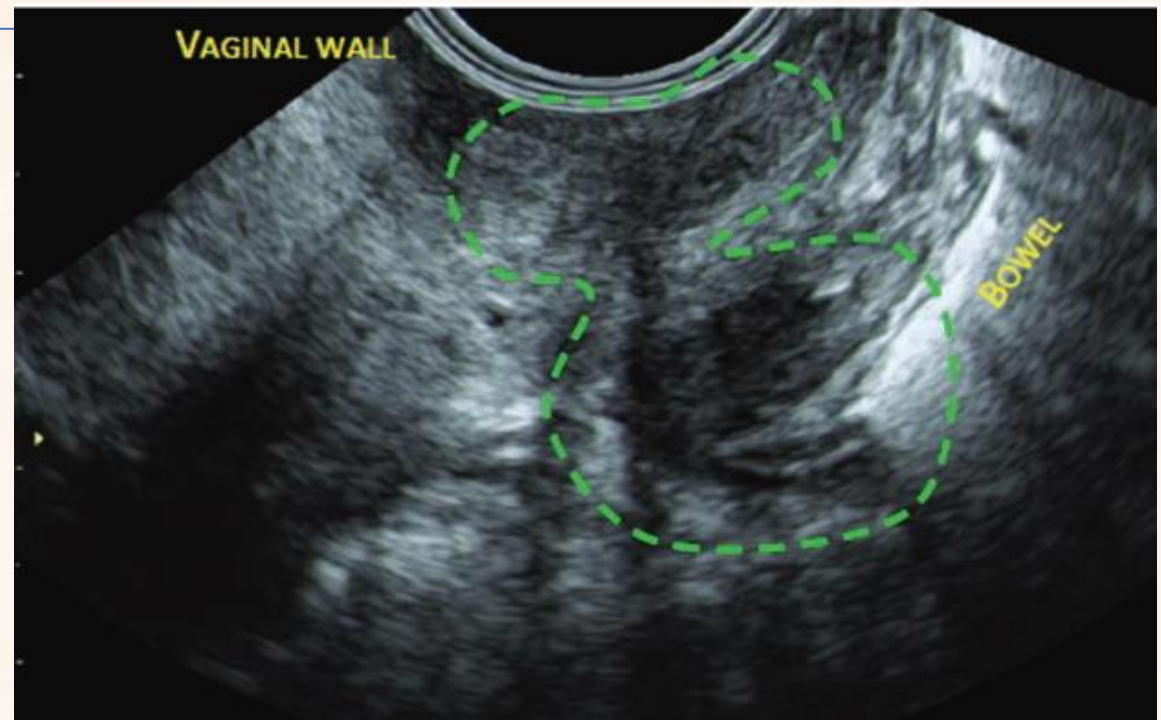
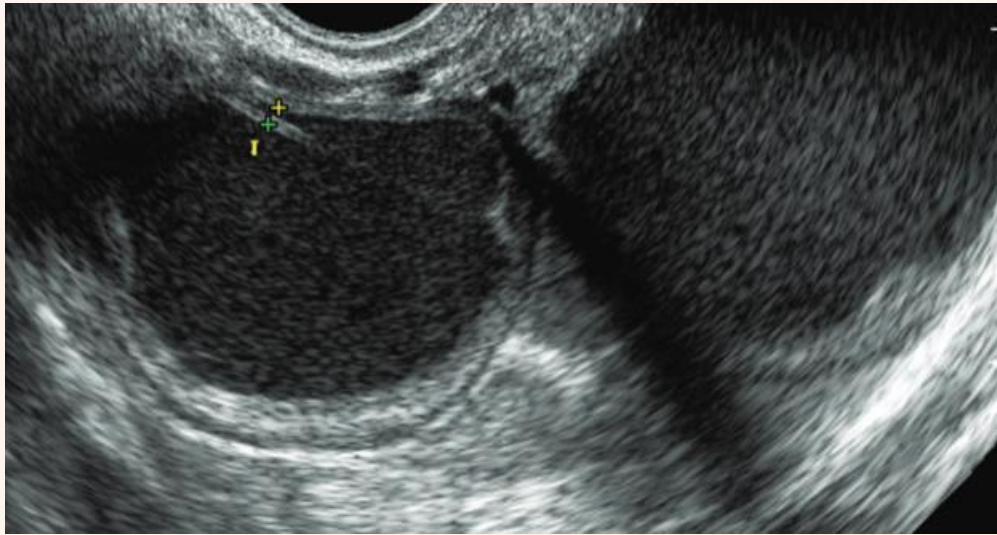


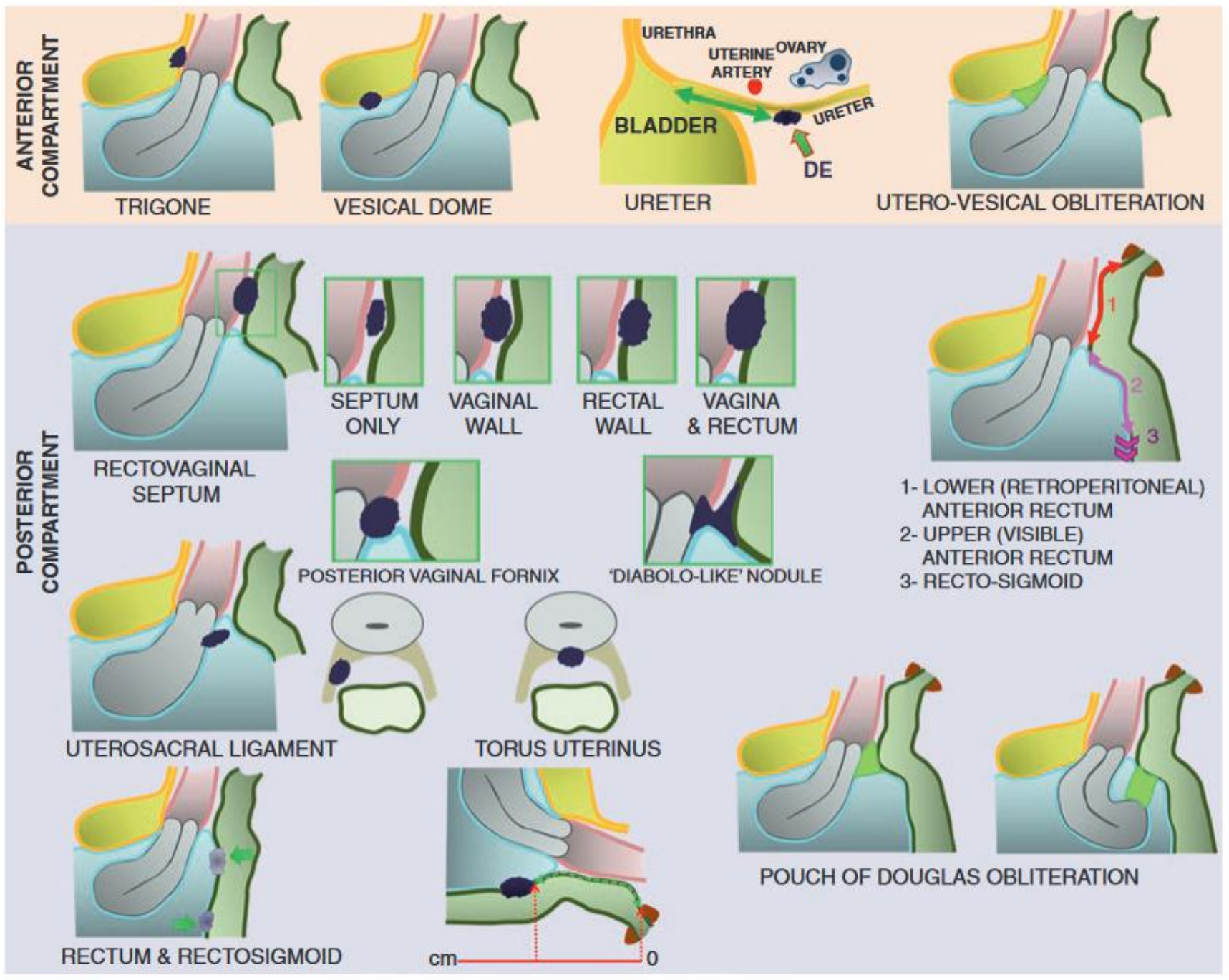


- Haptoglobin
- MCP-1
- MMPs
- TIMPs
- VEGF
- Interleukin-1 β
- Interleukin-8
- TNF- α
- Interleukin-6
- PGE₂
- NGF

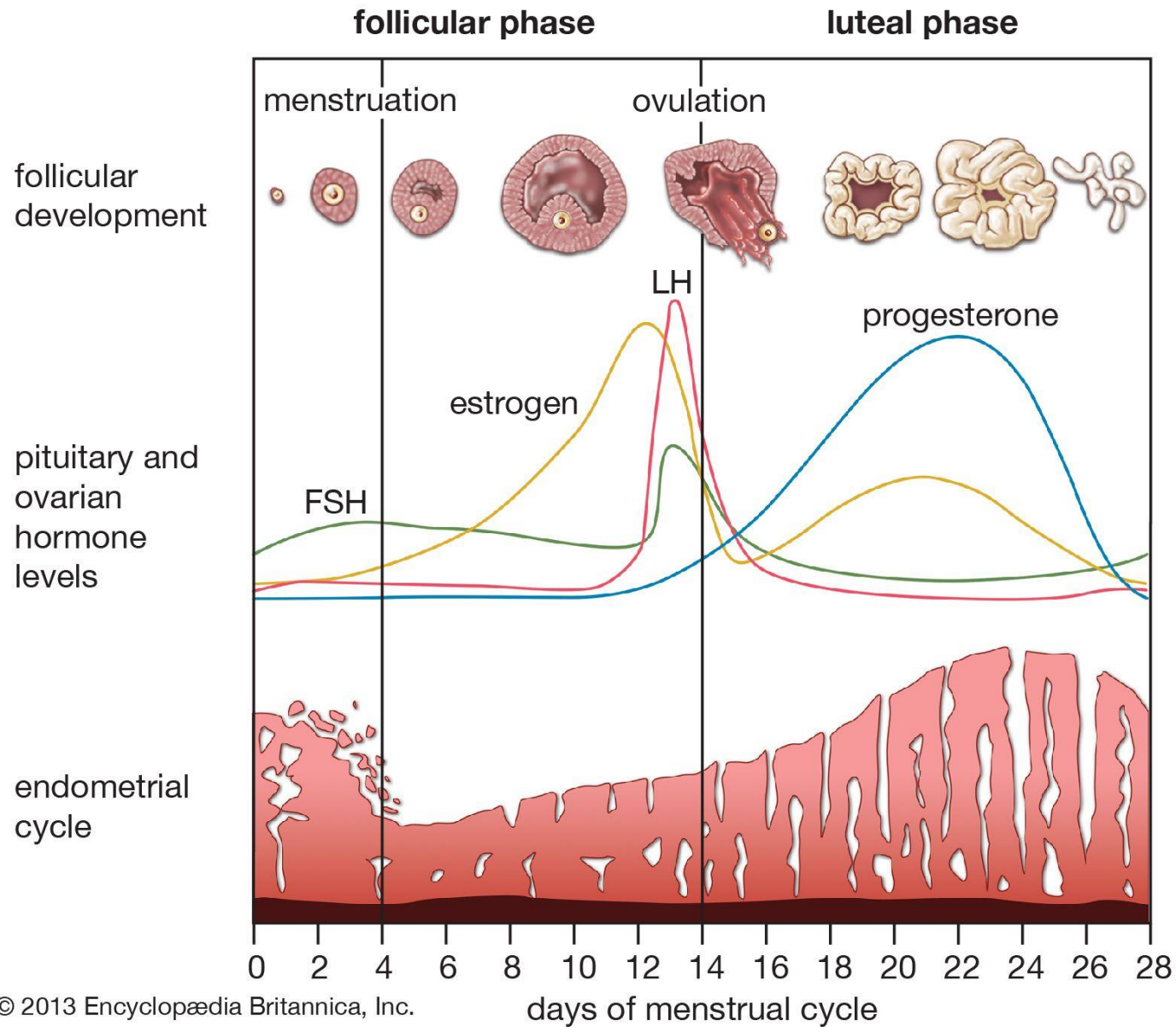
Diagnosis...







The menstrual cycle



Treatment...





NE 05.08.1975

RIC5-9-D/GYN

MI 1.1

PROF CONDOUS

Exp 5097729

3.0cm / 1.3 / 21Hz

TIs 0.8

Dr Can: 24.05.2022

02:12:58PM

Endometrium

Har-low

100Ω

Gn -4

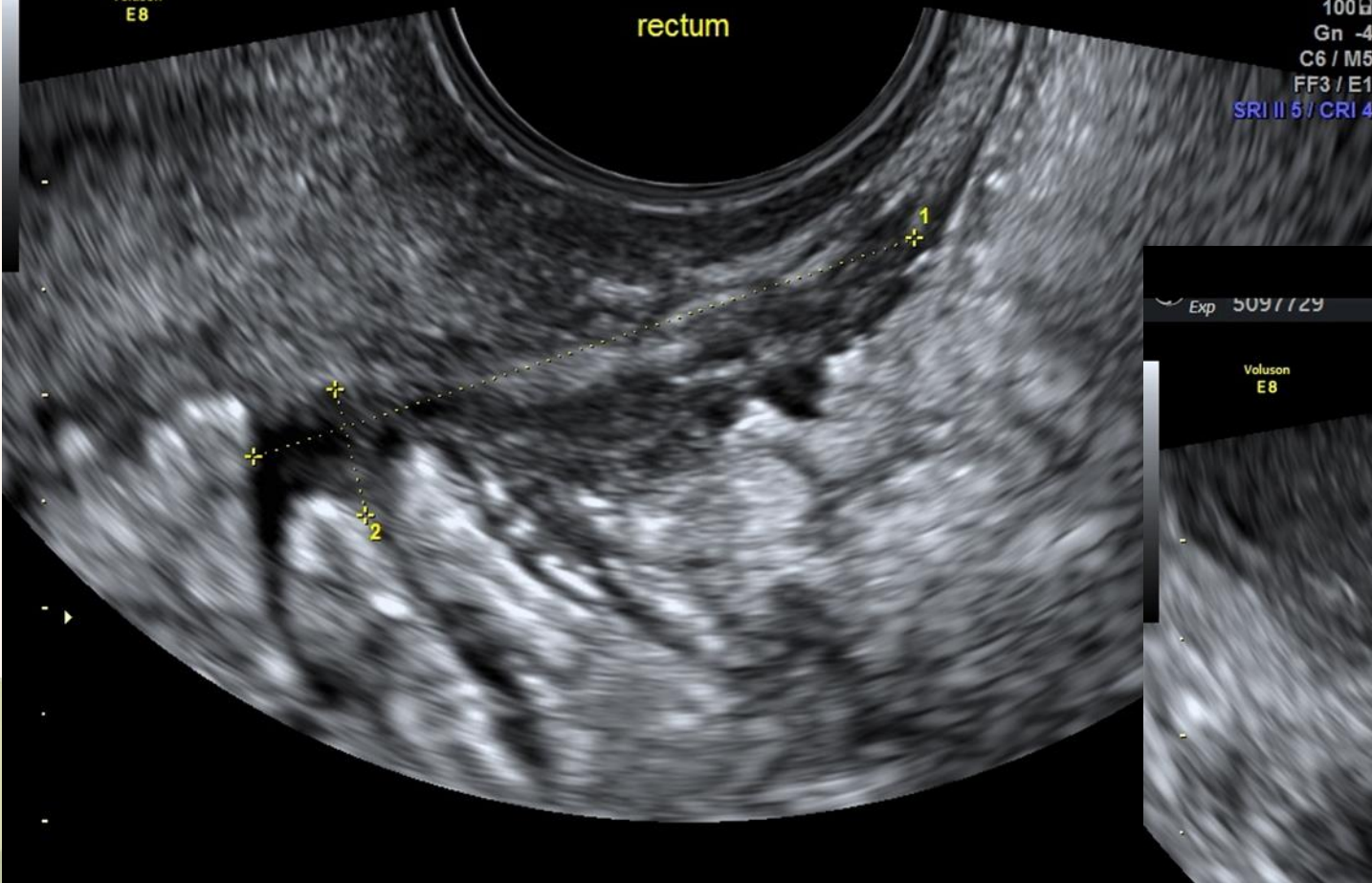
C6 / M5

FF3 / E1

SRI II 5 / CRI 4

Voluson
E8

rectum



NE 05.08.1975

RIC5-9-D/GYN

MI 1.1

PROF CONDOUS

Exp 5097729

3.0cm / 1.3 / 21Hz

TIs 0.8

Dr Can: 24.05.2022

02:13:30PM

Endometrium

Har-low

100Ω

Gn -4

C6 / M5

FF3 / E1

SRI II 5 / CRI 4

Voluson
E8

rectum



1 D1 1.14cm

NE 05.08.1975

RIC5-9-D/GYN

MI 1.1

PROF CONDOUS

Exp 5097729

7.0cm / 1.3 / 15Hz

TIs 0.7

Dr Can:

24.05.2022

02:17:42PM

Endometrium

Har-low

100Ω

Gn -6

C6 / M5

FF3 / E1

SRI II 5 / CRI 4

Voluson
E8



NE 05.08.1975

RIC5-9-D/GYN

MI 1.0

PROF CONDOUS

Exp 5097729

5.0cm / 1.2 / 24Hz

TIs 0.7

Dr Can: 24.05.2022

02:23:47PM

Voluson E8

OMA R OVARY

Voluson E8

GYN 1
Har-low
100G
Gn -11
C5 / M5
P3 / E2
SRI 114

NE 05.08.1975

RIC5-9-D/GYN

MI 1.1

PROF CONDOUS

3.0cm / 1.3 / 20Hz

TIs 0.8

Dr Can: 24.05.2022

02:21:13PM

Endometrium

Har-low

100G

Gn -3

C6 / M5

FF3 / E1

SRI 115 / CRI 4

POD

1 D1 1.35cm
2 D2 0.97cm
3 D3 1.68cm
Vol 1.152cm³

1 D1 1.17cm
2 D2 0.25cm
3 D3 1.01cm
Vol 0.155cm³

NE 05.08.1975

RIC5-9-D/GYN

MI 1.2

PROF CONDOUS

Exp 5097729

4.0cm / 1.2 / 25Hz

TIs 0.8

Dr Can:

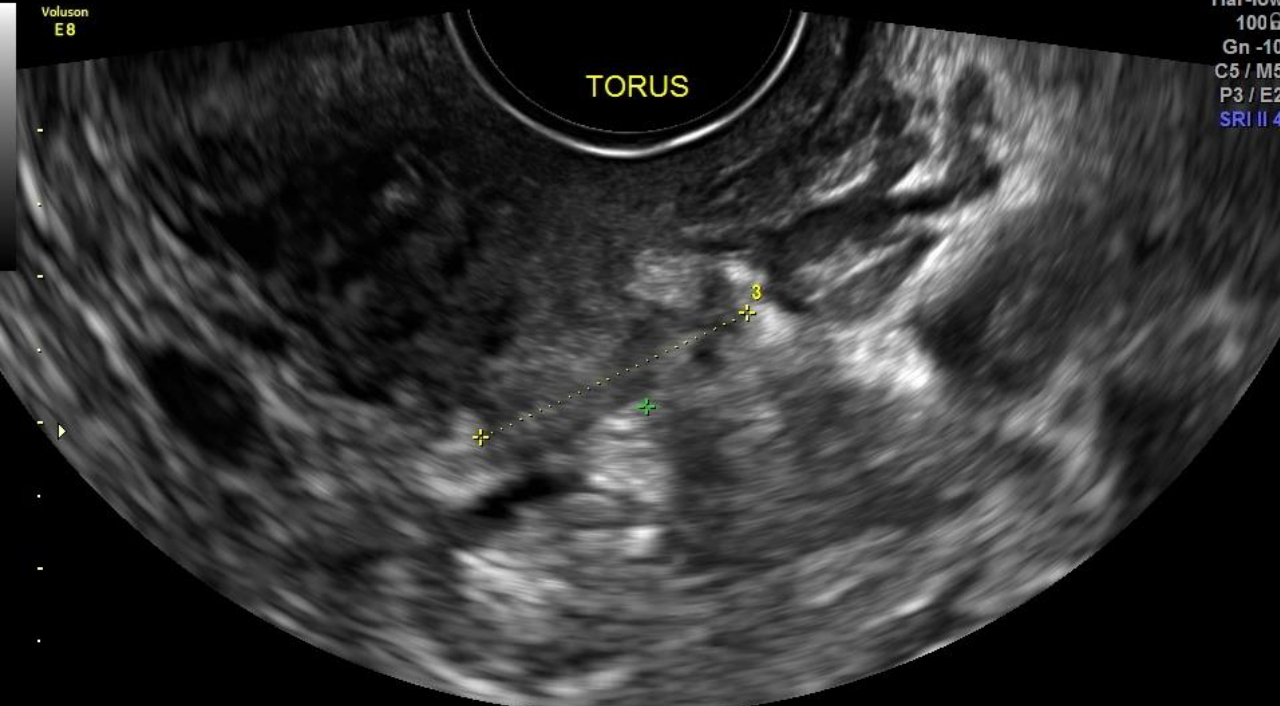
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Voluson
E8

TORUS

GYN 1
Har-low
100G
Gn -10
C5 / M5
P3 / E2
SRI II 4



1 D1 1.82cm
2 D2 0.67cm
3 D3 2.02cm
Vol 1.290cm³

NE 05.08.1975

RIC5-9-D/GYN

MI 1.2

PROF CONDOUS

729

4.0cm / 1.2 / 25Hz

TIs 0.8

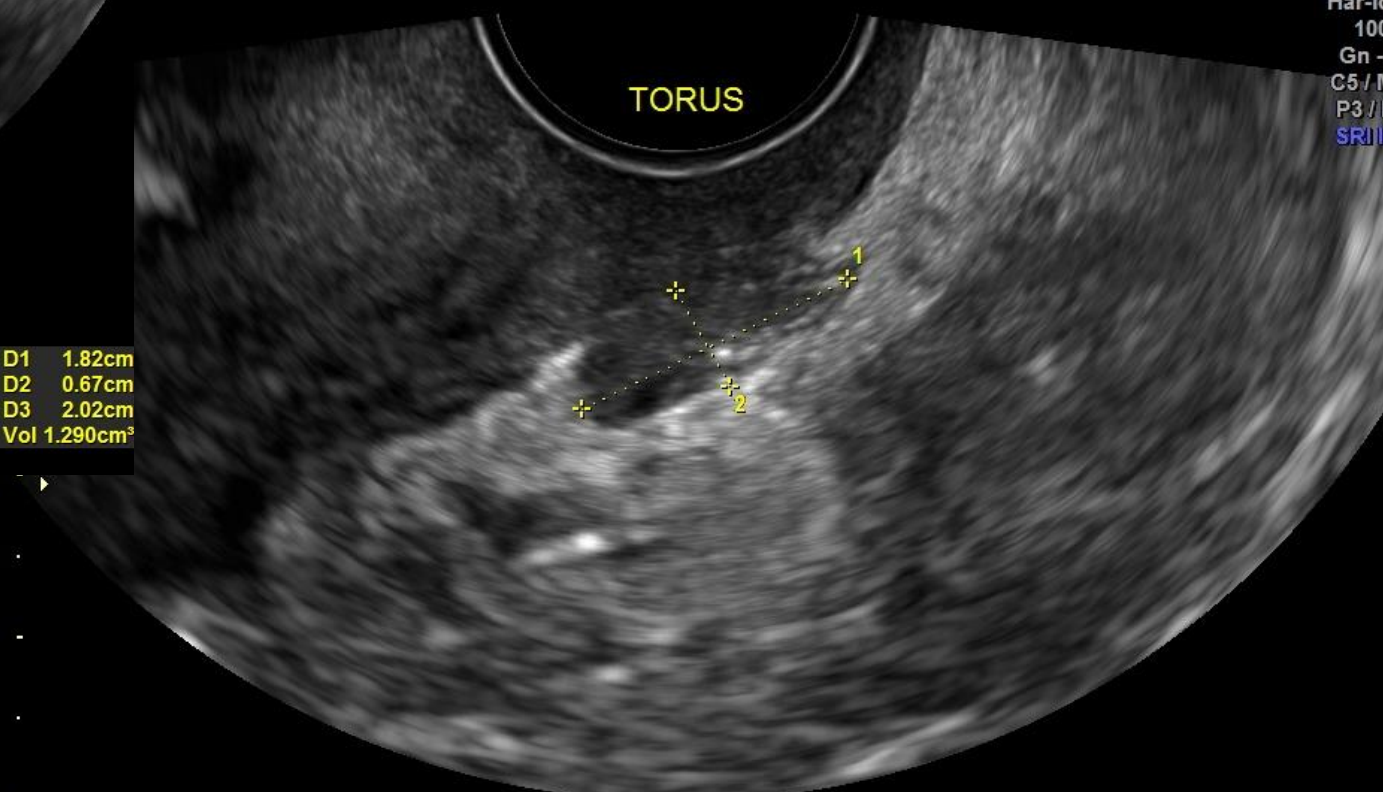
Dr Can:

24.05.2022

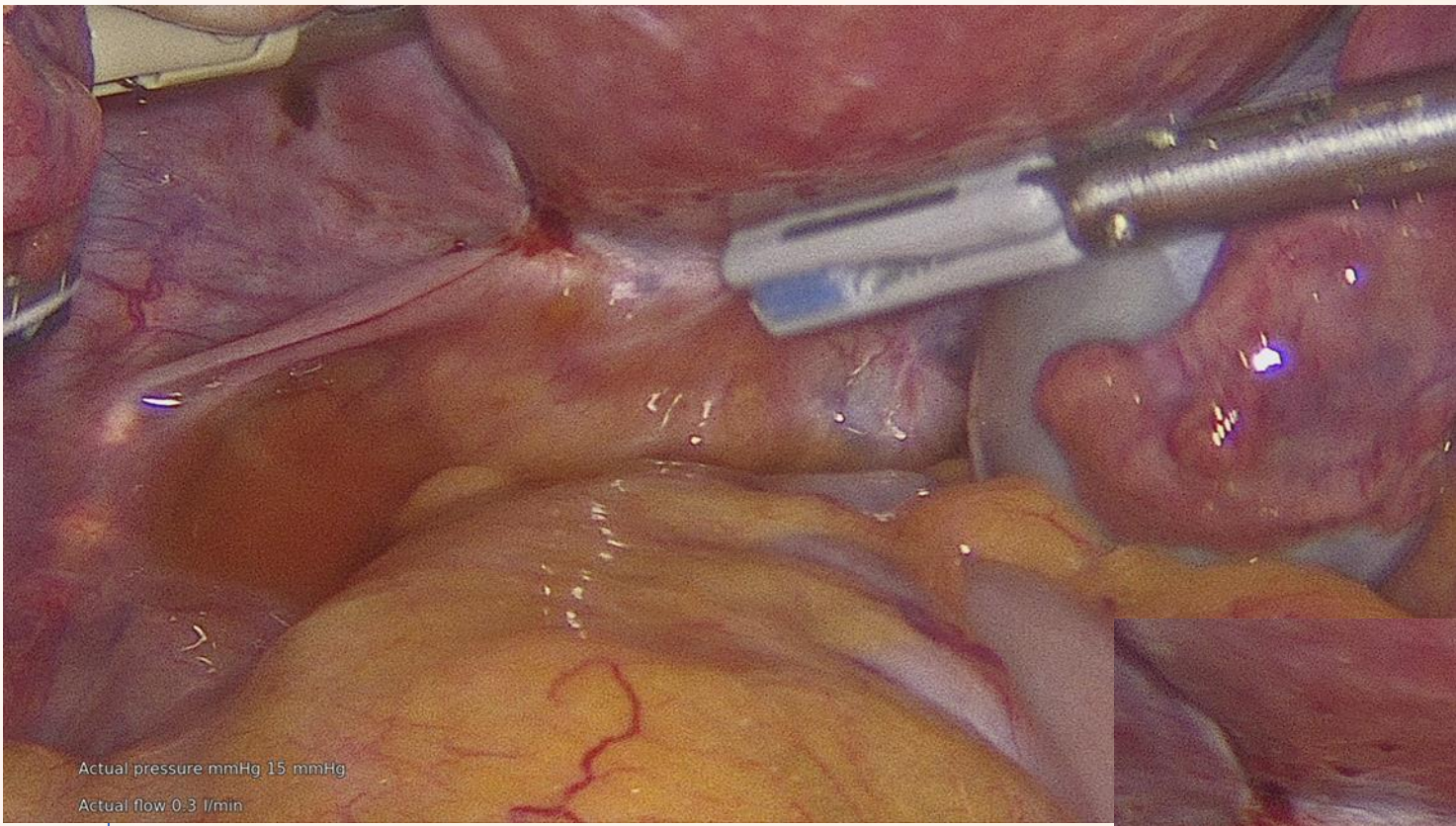
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GYN 1
Har-low
100G
Gn -10
C5 / M5
P3 / E2
SRI II 4

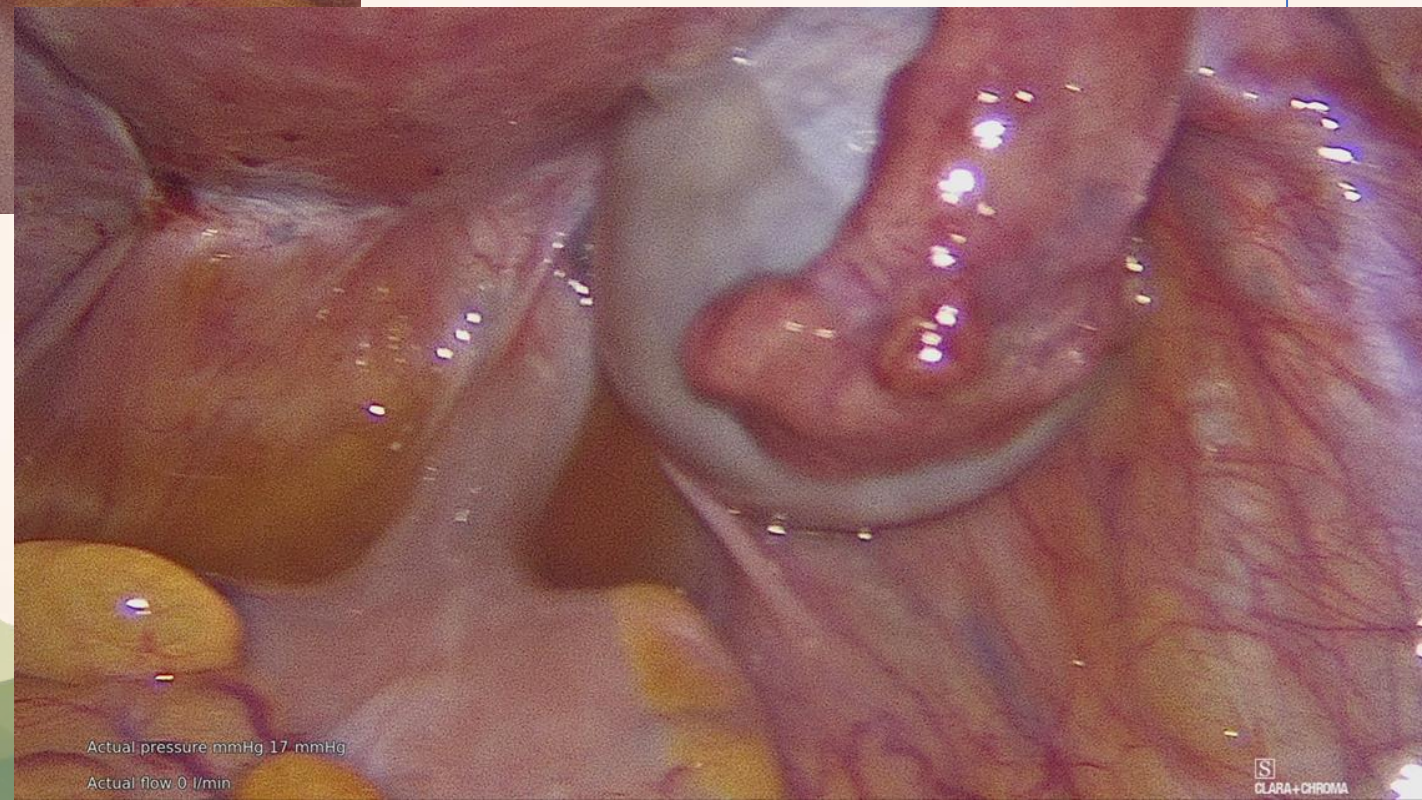
TORUS



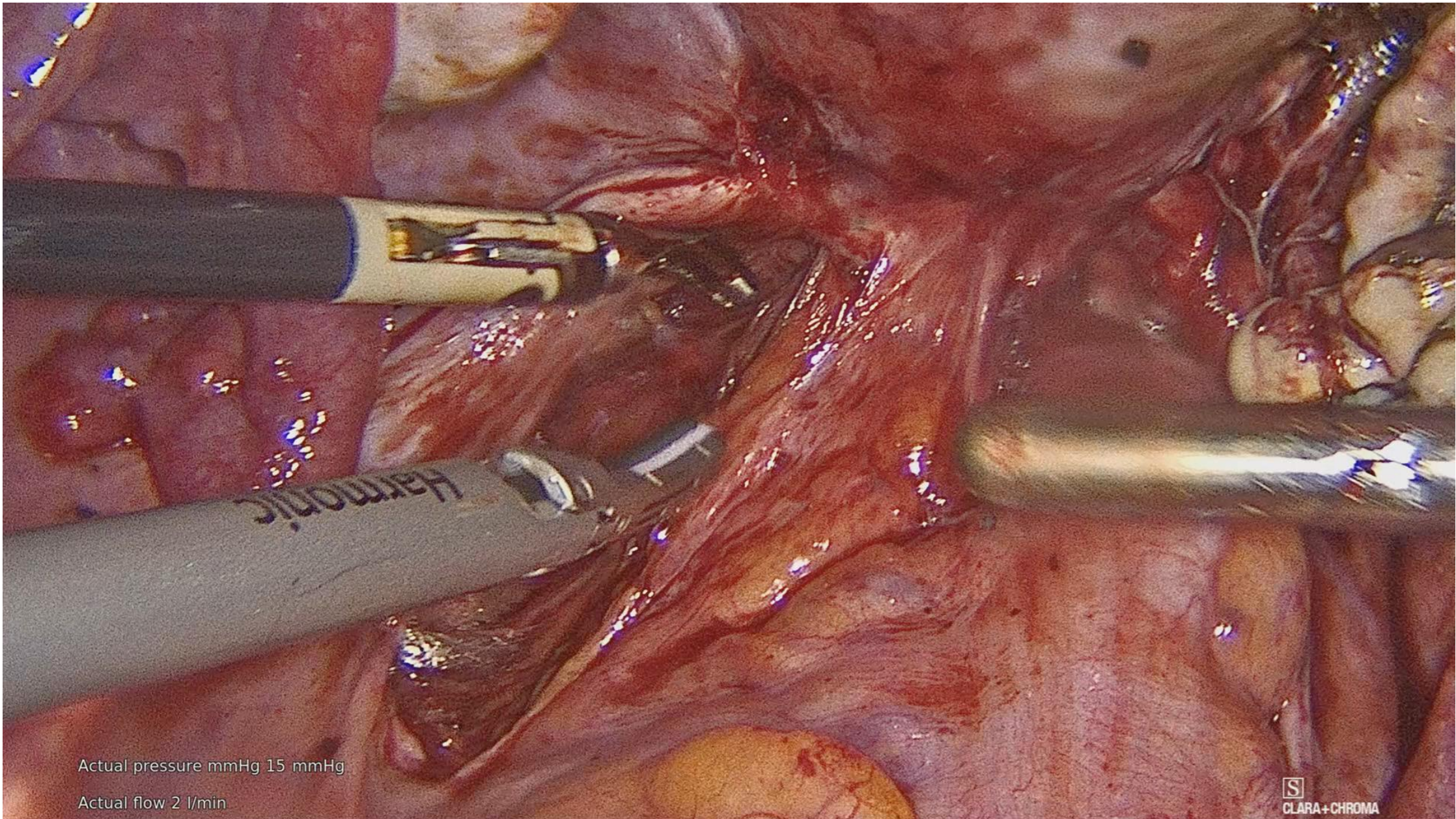
1 D1 1.82cm
2 D2 0.67cm



Actual pressure mmHg 15 mmHg
Actual flow 0.3 l/min

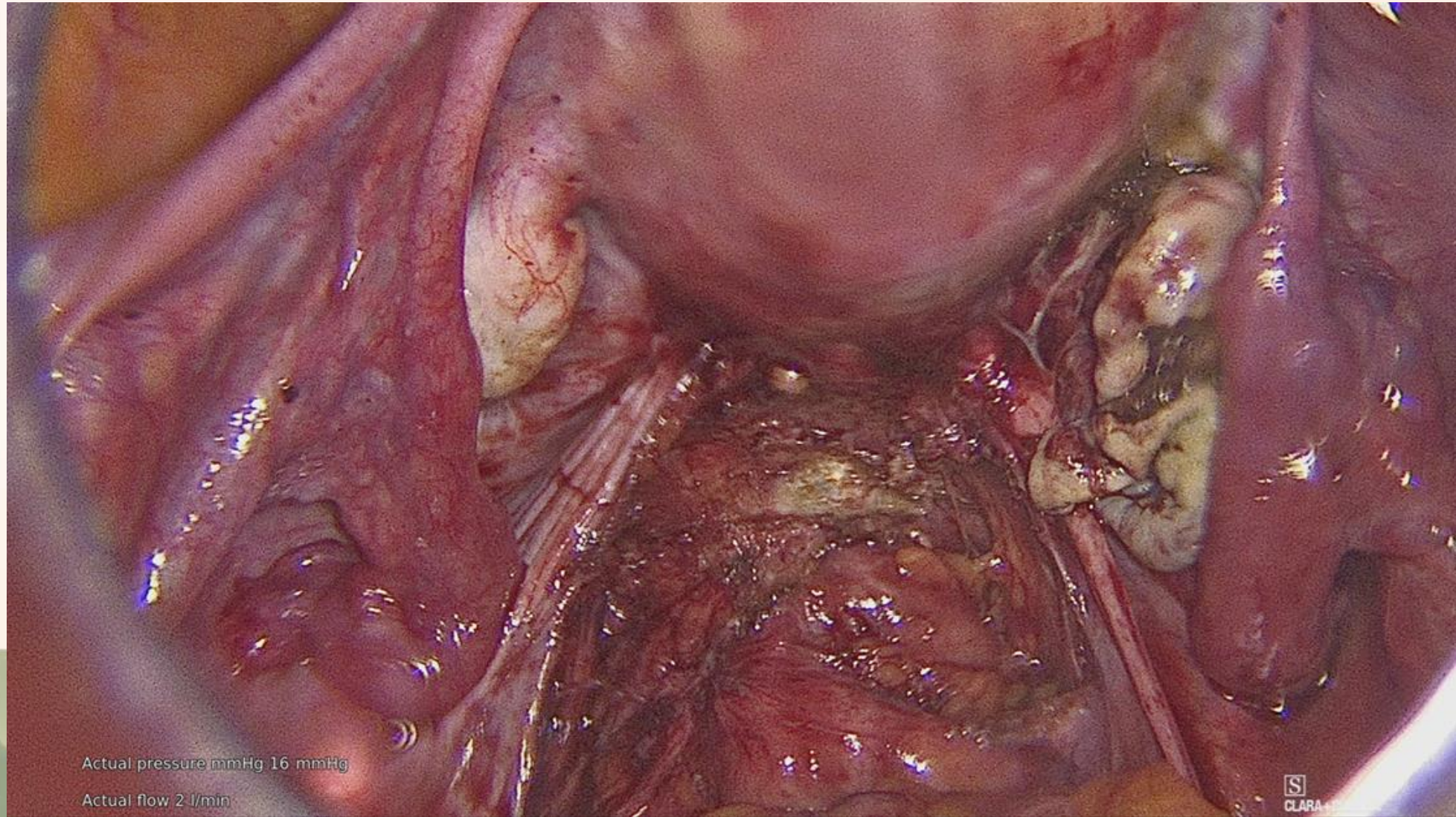


Actual pressure mmHg 17 mmHg
Actual flow 0 l/min



Actual pressure mmHg 15 mmHg

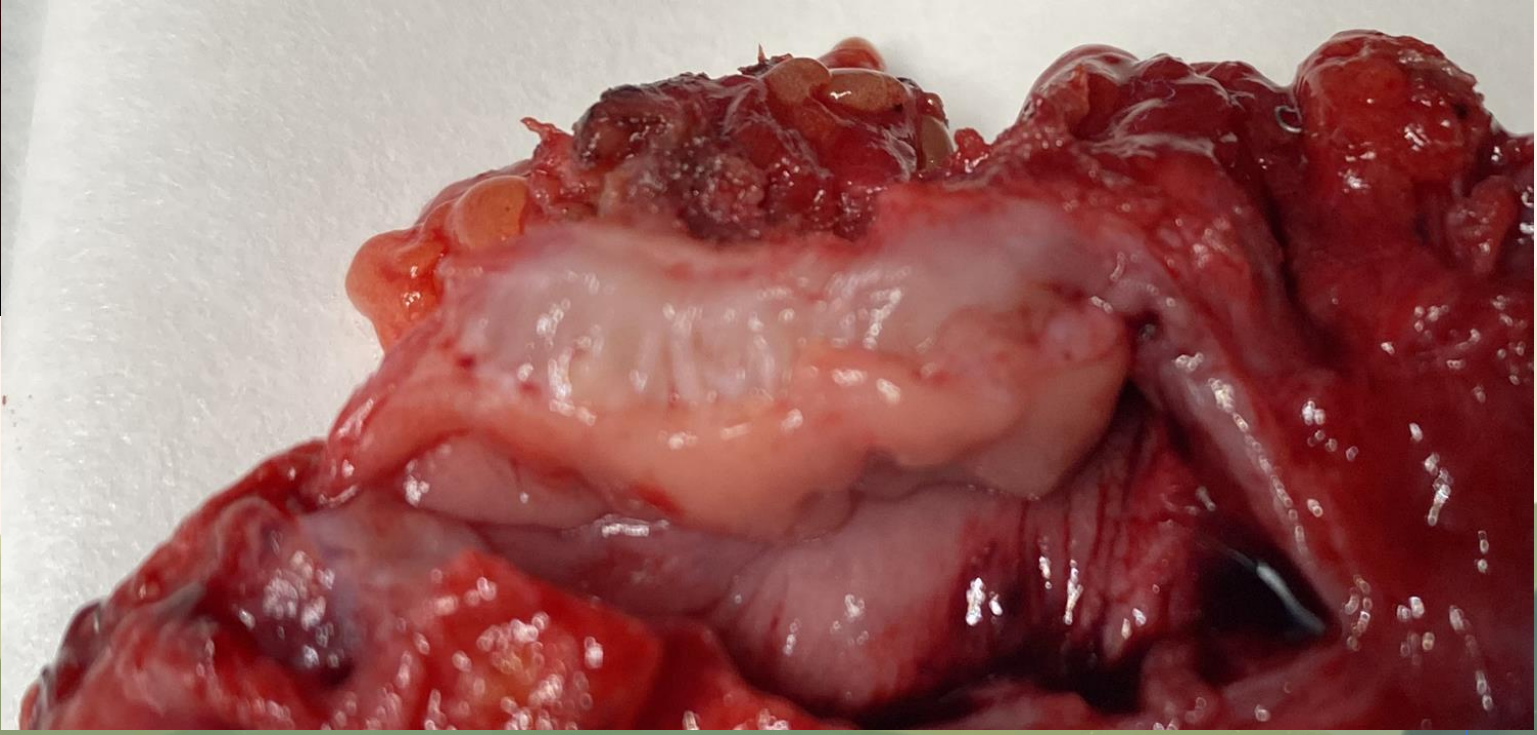
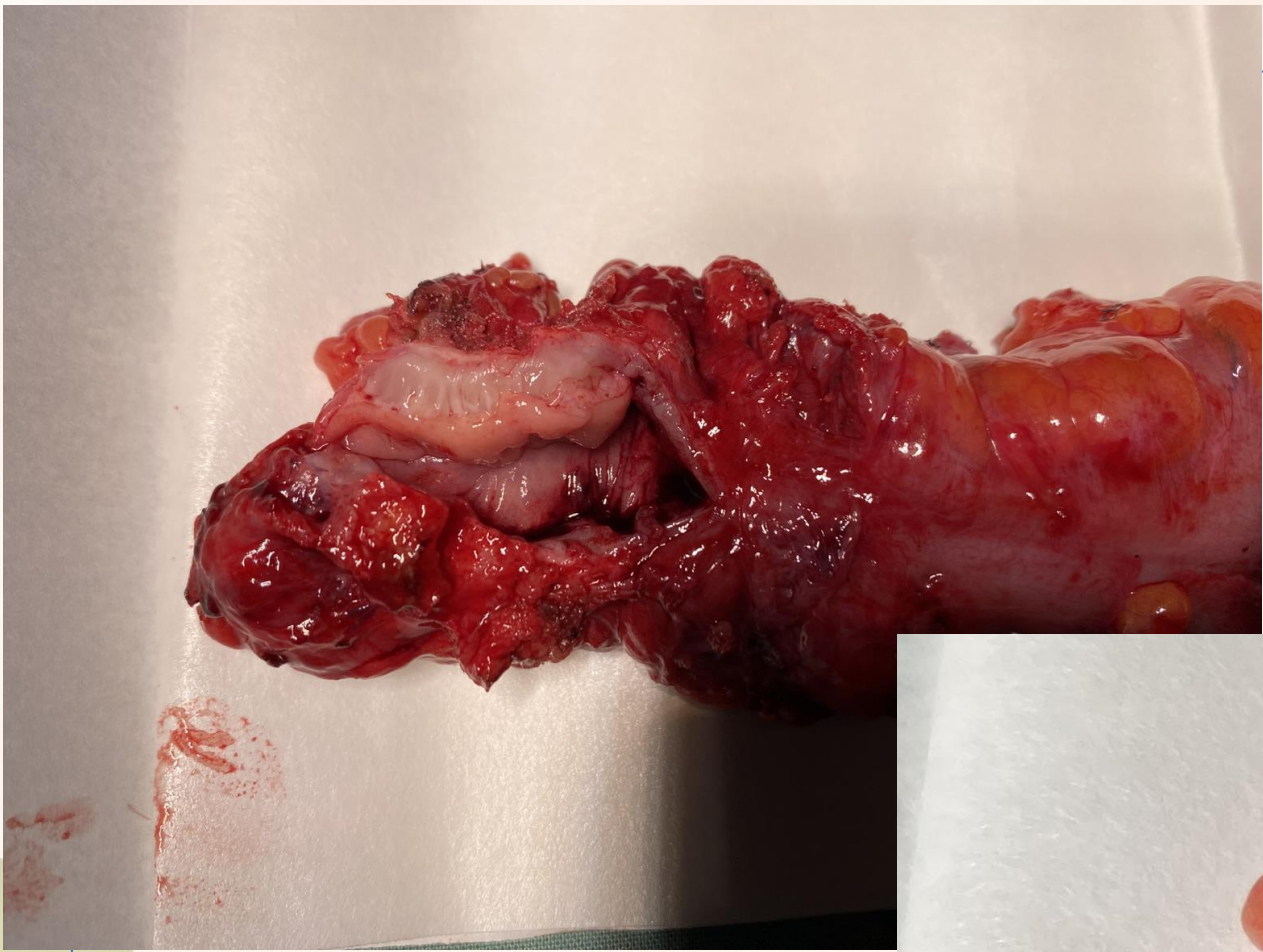
Actual flow 2 l/min

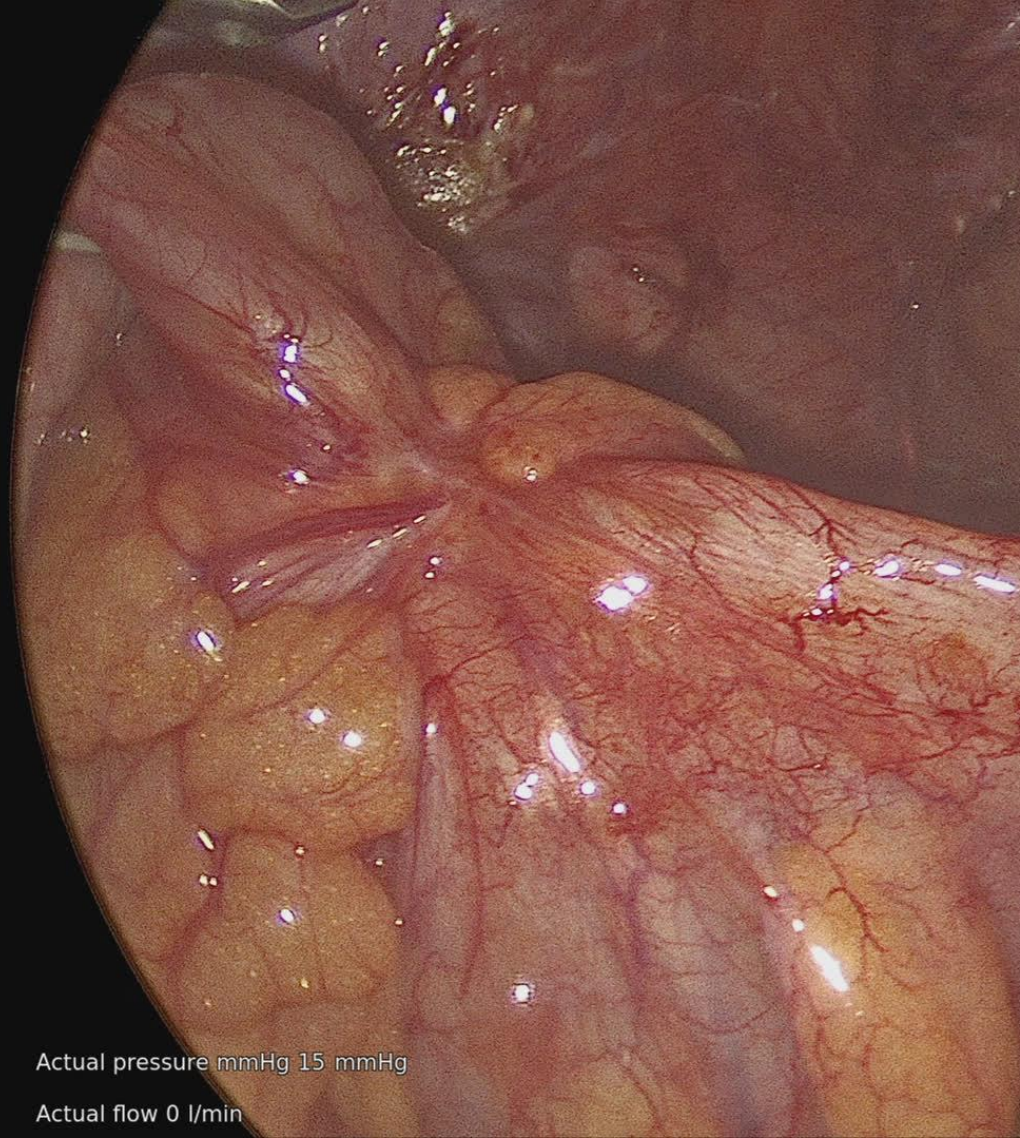


Actual pressure mmHg 16 mmHg

Actual flow 2 l/min

S
CLARA

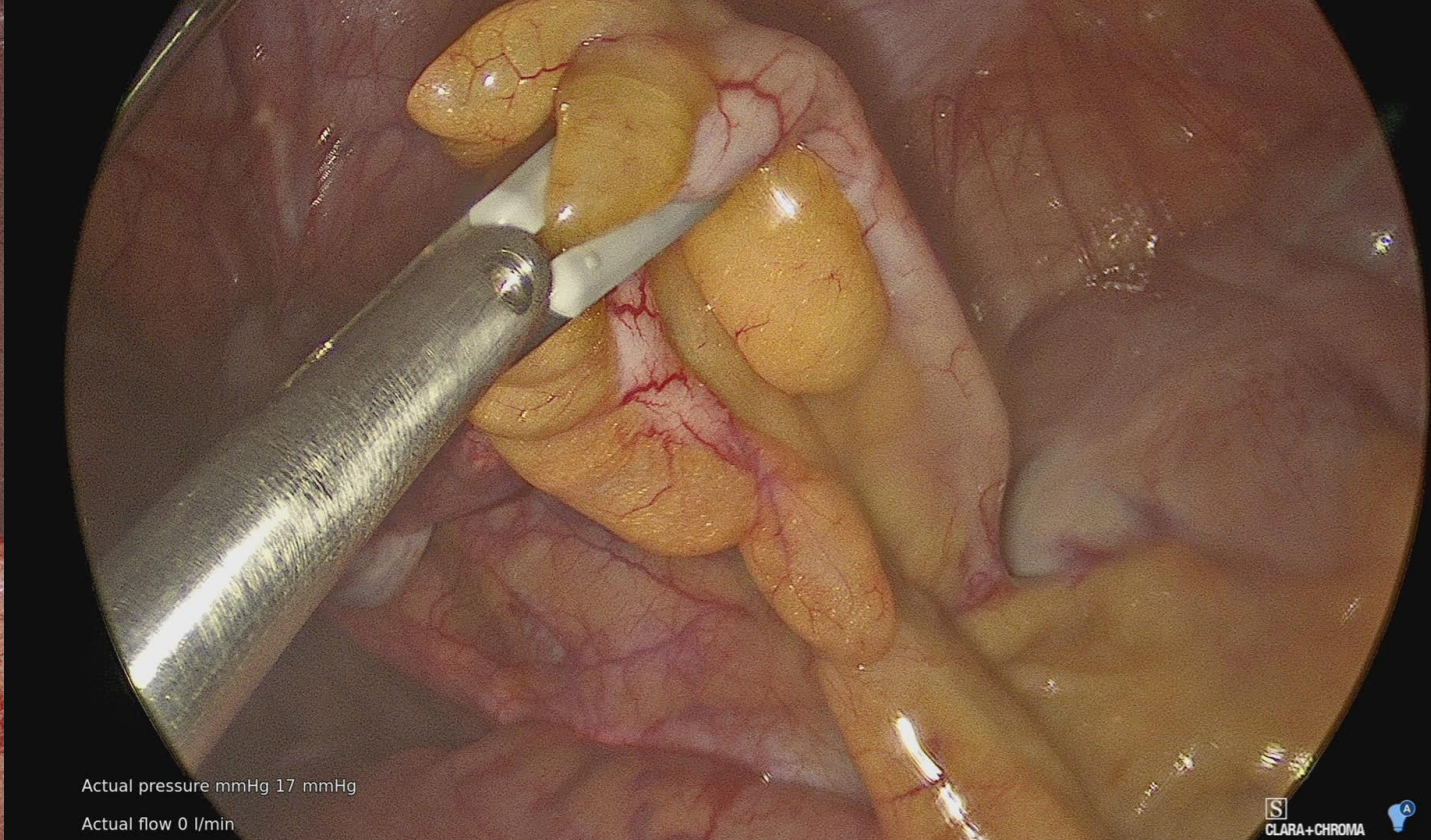




Actual pressure mmHg 15 mmHg
Actual flow 0 l/min



Actual pressure mmHg 15 mmHg
Actual flow 0.8 l/min



Actual pressure mmHg 17 mmHg
Actual flow 0 l/min



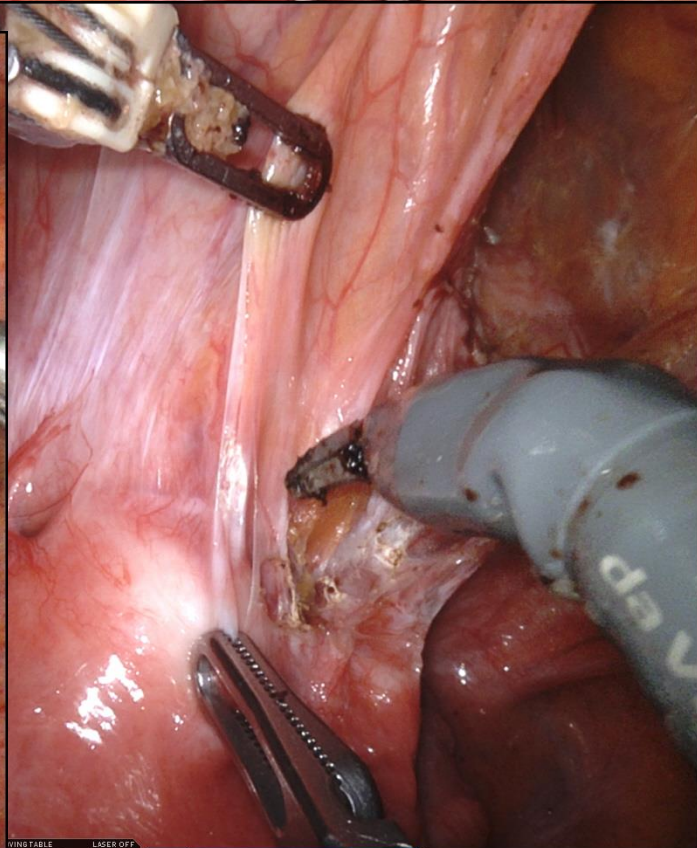
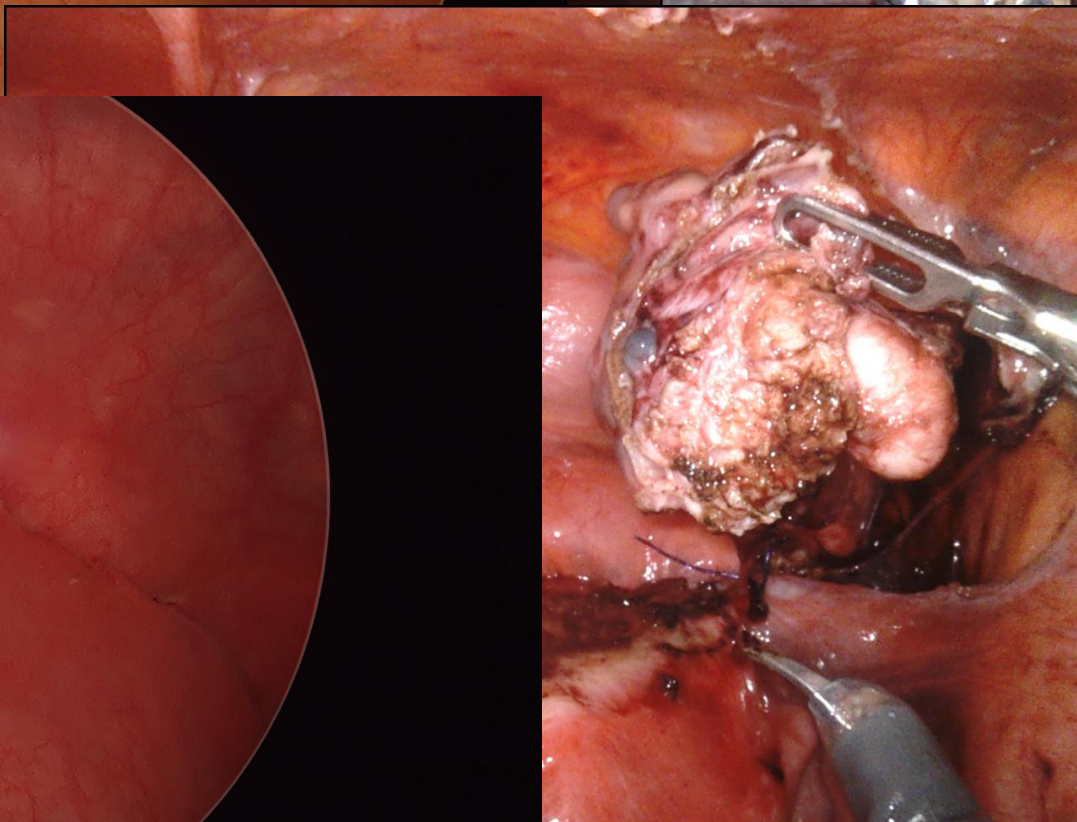
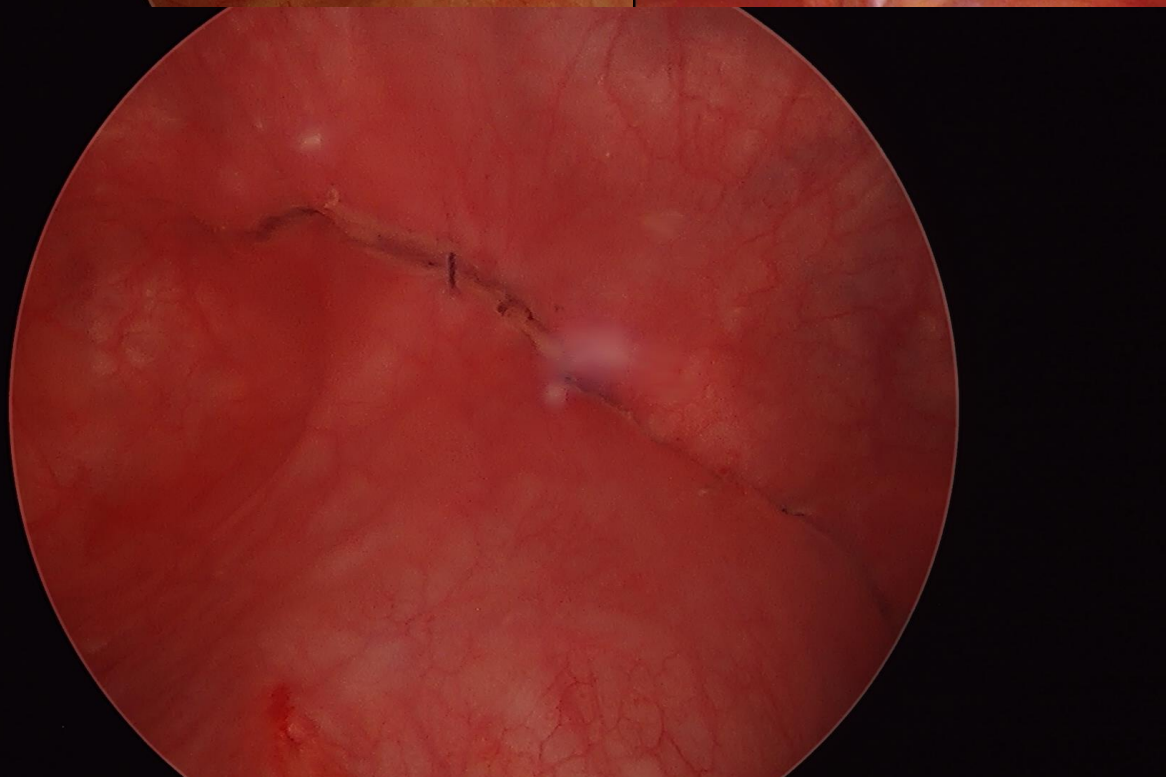
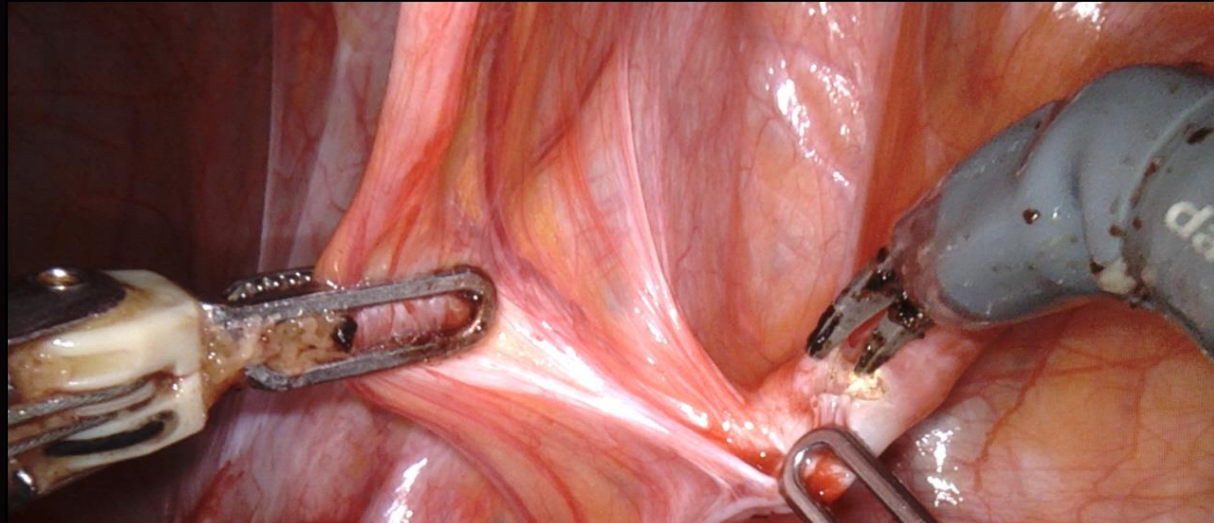
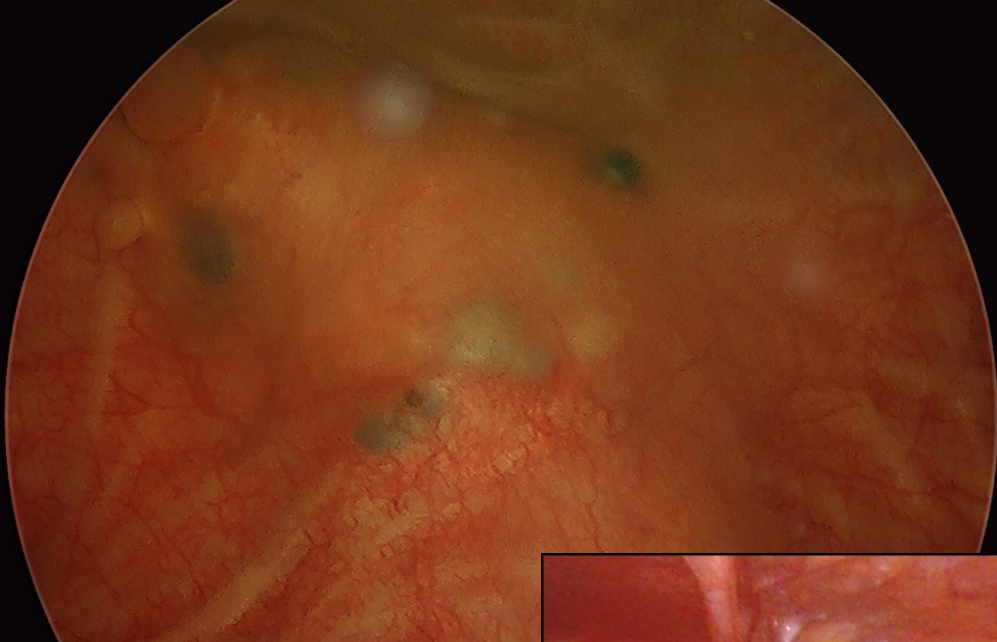
CLARA+CHROMA

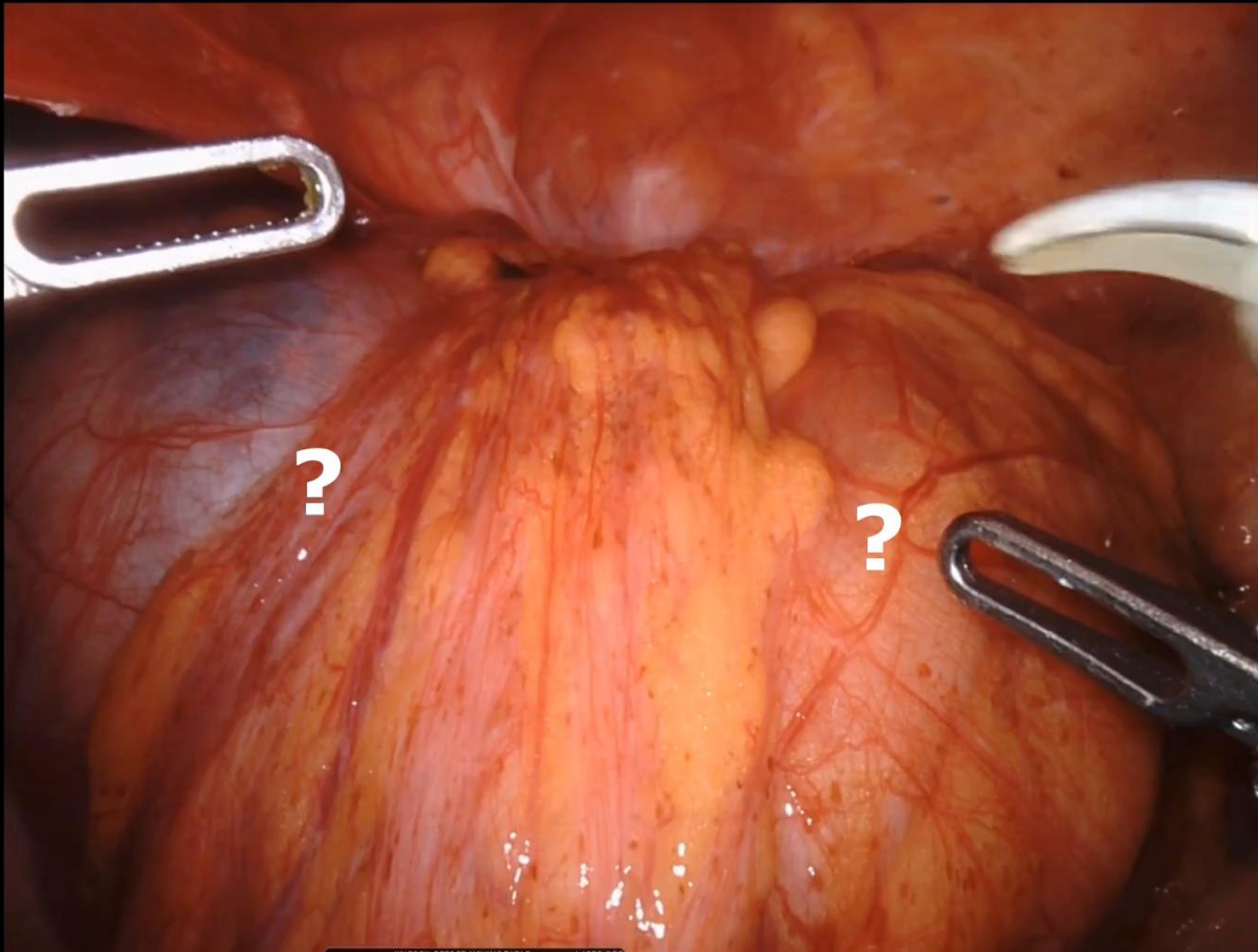


Actual pressure mmHg 13 mmHg
Actual flow 9 l/min

CLARA+CHROMA

CLARA+CHROMA

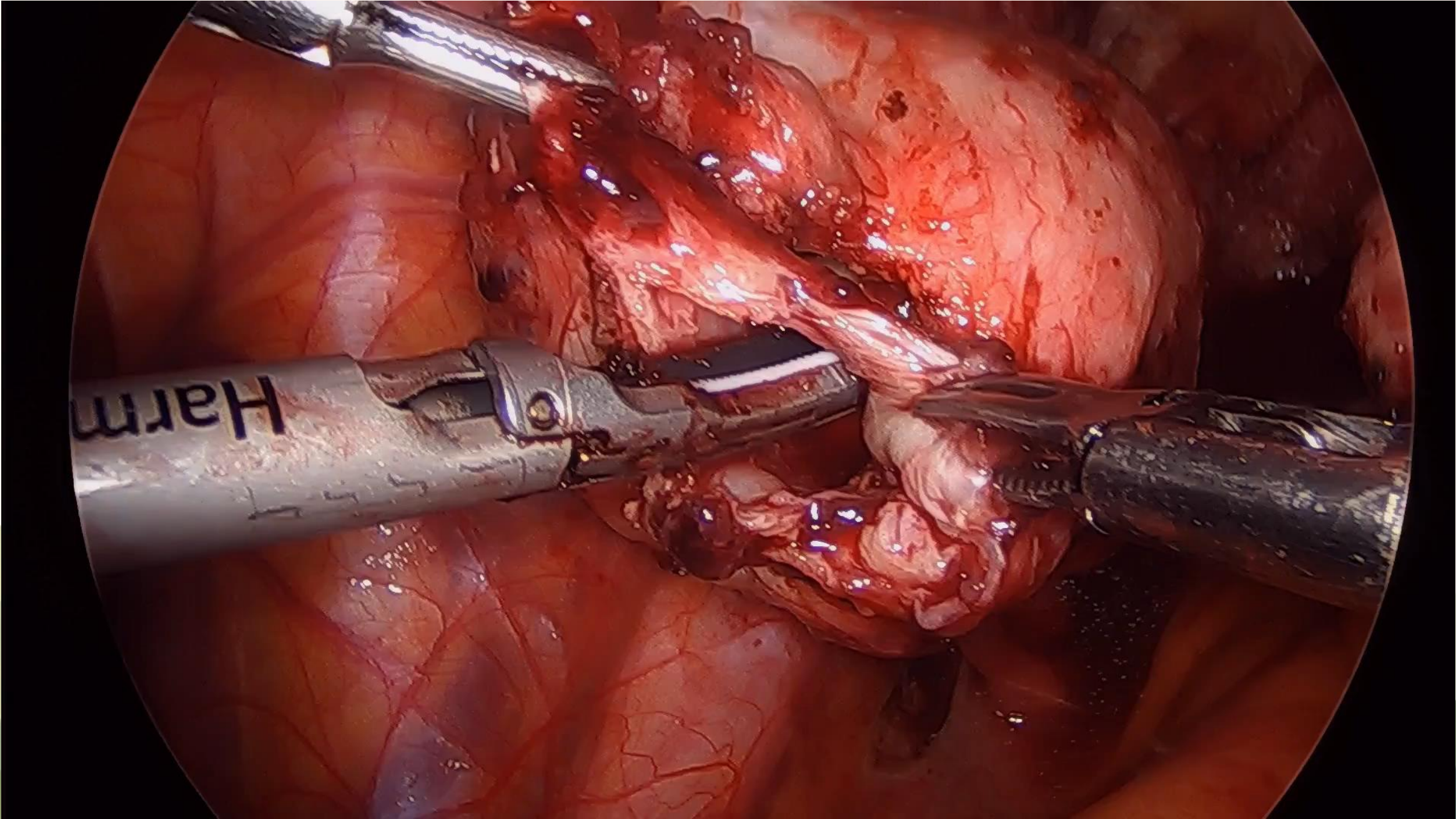




UNDOCK BEFORE MOVING TABLE LASER OFF

1	FENESTRATED BIPOLAR FORCEPS	COAG	2	MONO POLAR CURVED SCISSORS	CUT	COAG	4	PROGRASP FORCEPS
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References:

1) <https://abs.gov.au/census/find-census-data/quickstats/2021/LGA11650>