

대한결핵및호흡기학회 심포지엄 증례발표

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호흡기내과 이진국

Case 1

Chief Complaint

- ▣ Dyspnea for 1 week

Present Illness

- M/68
- 2013년 2월 COPD 진단
- 급성악화로 입원 2회
 - 2013년 2월
 - 2013년 11월
- 2013년 9월 4일 폐렴으로 외래에서 경구 항생제 치료 받음
- 내원 1주 전부터 객담양이 증가 되었고 객담색이 진해졌으며 평소보다 호흡곤란이 심해져 응급실에 내원

Past History

- DM/HBP/Tb/Hepatitis (-/+/-/-)

Family History

- N-S

Social History

- Smoking: ex, 1.5 pack x 40 years

Physical Examination

- ▣ V/S : 135/87mmHg – 94/min – 28/min - 37.8°C
- ▣ M/S : Alert
- ▣ G/A : Chronic ill looking
- ▣ Chest
 - Regular heart beat without murmur
 - Coarse breathing sound with rale on RLL

Laboratory Examinations

- Complete blood count

 - Hemoglobin : 14.5 g/dL

 - White blood cell count : 15,300/mm³

 - White blood cell differential count

 - segment neutrophil : 75.1%

 - lymphocyte : 12.1%

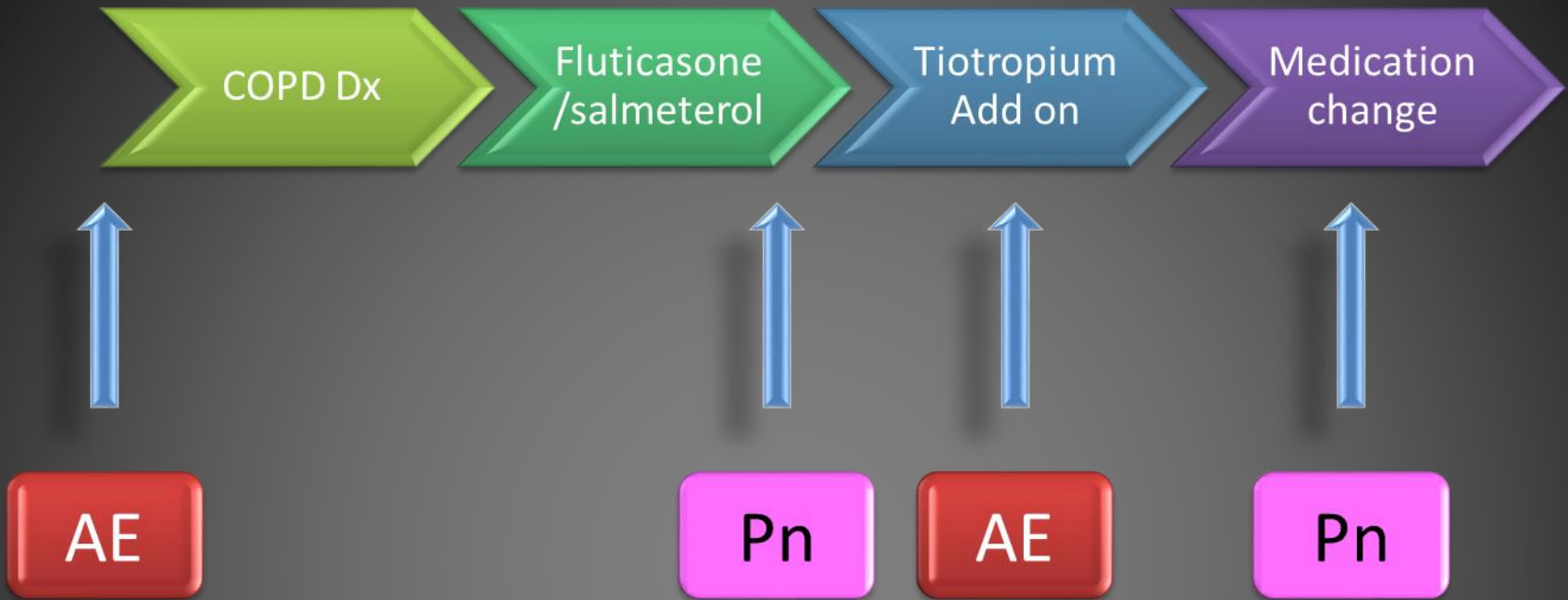
 - Platelet count : 356,000/mm³

- CRP: 7.6 mg/dL

Lpa

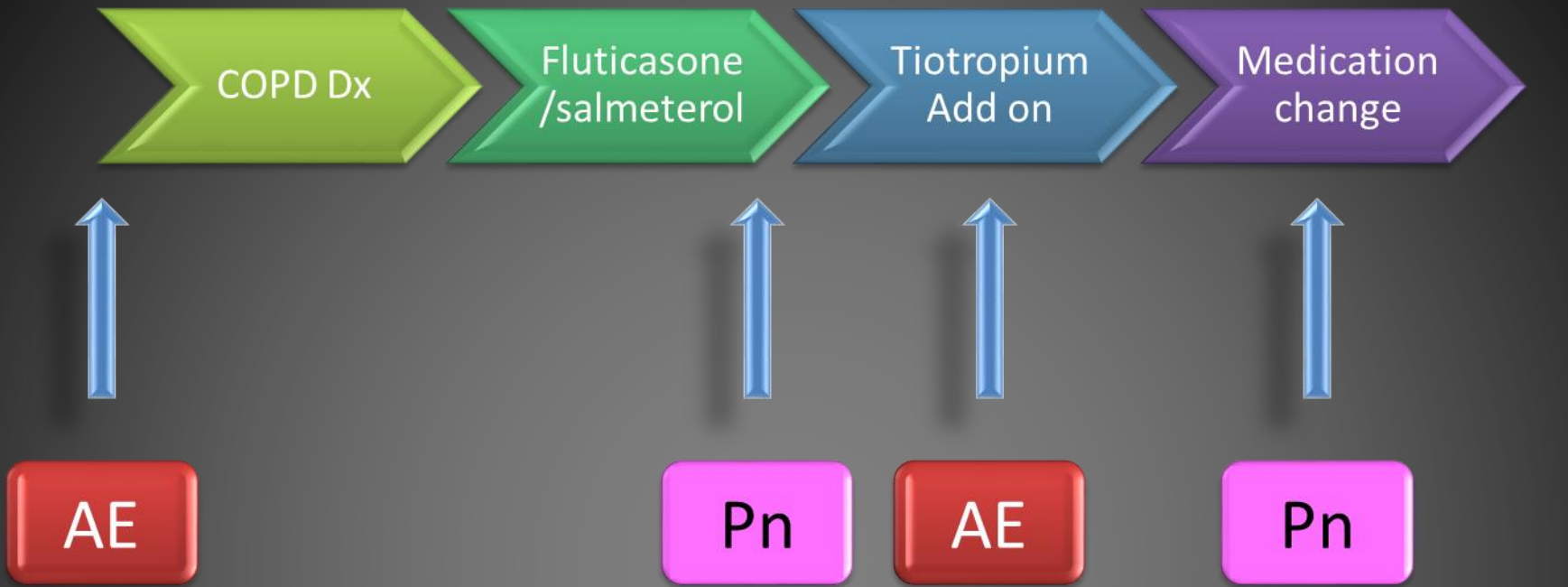


		Ref	Pre	% Ref
Spirometry				
FVC	Liters	4.53	3.65	81
FEV.5	Liters	2.05	0.65	32
FEV1	Liters	3.35	0.99	30
FEV1/FVC	%	73	27	
FEV3/FVC	%	97	49	
FEF25-75%	L/sec	2.78	0.26	9
FEF75-85%	L/sec	0.61	0.12	19
FEF25%	L/sec		0.64	
FEF50%	L/sec	3.74	0.28	8
FEF75%	L/sec	1.32	0.14	11
FEF200-1200	L/sec	6.29	0.74	12
PEF	L/sec	7.74	3.30	43
FVL ECode			111000	
Lung Volumes				
TLC	Liters	6.51	6.31	97
VC	Liters	4.06	3.65	90
IC	Liters	2.76	1.47	53
FRC PL	Liters	3.49	4.84	139
ERV	Liters	1.38	1.90	138
RV	Liters	2.23	2.66	120
RV/TLC	%	39	42	
Vtg	Liters		5.14	
Vt	Liters		0.68	



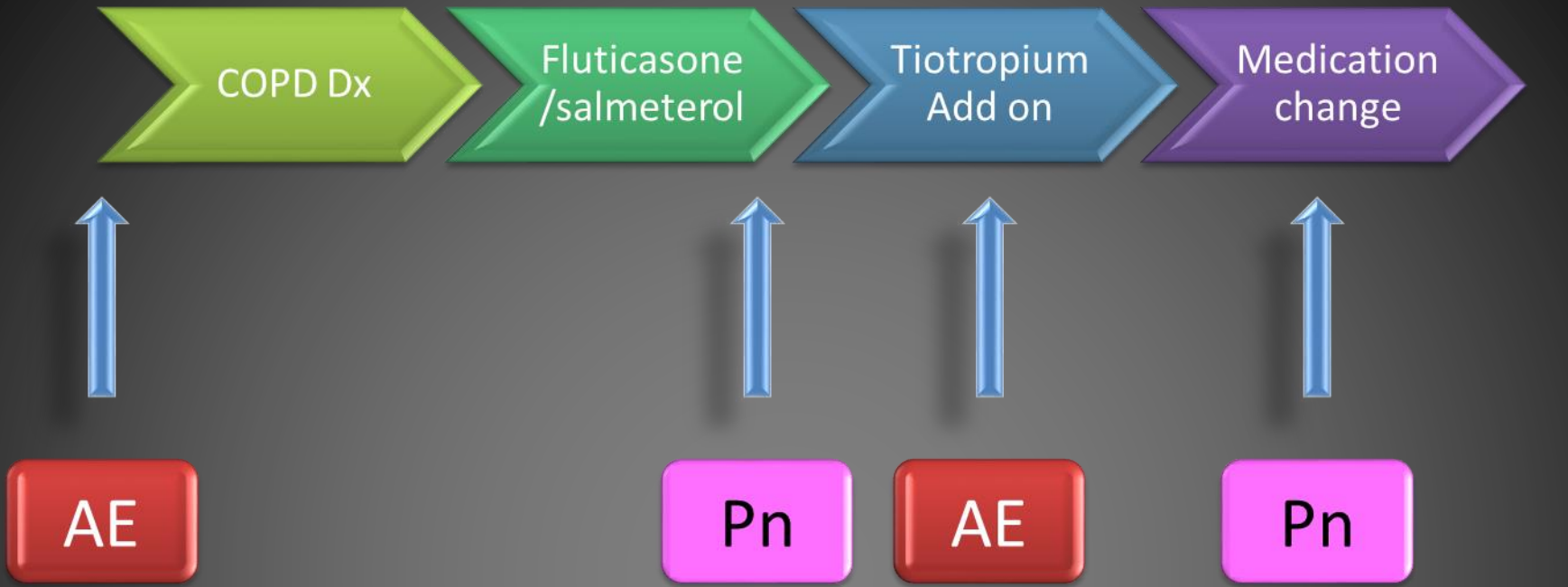
Medication change? How?

- Tiotropium + Fluticasone/salmeterol + Roflumilast
- Tiotropium + Roflumilast
- Tiotriopum + Budesonide/formoterol
- Tiotriopum + Budesonide/formoterol + Roflumilast
- Tiotropium + Indacaterol
- Indacaterol + Roflumilast



Medication change

No admission, No ER visit, No Pneumonia



Tiotropium + Indacaterol + Roflumilast

No admission, No ER visit, No Pneumonia

Summary of case 1

- A case of recurrent pneumonia and AE
- Fluticasone/salmeterol was discontinued due to pneumonia
- Indacaterol + roflumilast were added
- Tiotropium + indacaterol may be superior than Tiotropium + Fluticasone/salmeterol
- Tiotropium + indacaterol + roflumilast may be an good option in case of recurrent pneumonia and AE

Case 2

Chief Complaint

- ▣ Fever, dyspnea for 1 week

Present Illness

- F/53
- 2011년 COPD 및 bronchiectasis 진단
- 타병원 FU 하면서 수차례 폐렴으로 치료받음
- 2013년 6월 본원 전원
 - 2013년 6월 폐렴
 - 2013년 10월 AE
- 내원 1주 전부터 발열, 기침, 호흡곤란 있어 내원

Past History

- DM/HBP/Tb/Hepatitis (-/-/-/-)

Family History

- N-S

Social History

- Smoking: ex, 0.7 pack x 25 years

Physical Examination

- ▣ V/S : 125/77mmHg – 84/min – 28/min - 38.3°C
- ▣ M/S : Alert
- ▣ G/A : Chronic ill looking
- ▣ Chest
 - Regular heart beat without murmur
 - Coarse breathing sound with rale on RLL

Laboratory Examinations

- Complete blood count

 - Hemoglobin : 12.5 g/dL

 - White blood cell count : 14,300/mm³

 - White blood cell differential count

 - segment neutrophil : 77.3%

 - lymphocyte : 13.5%

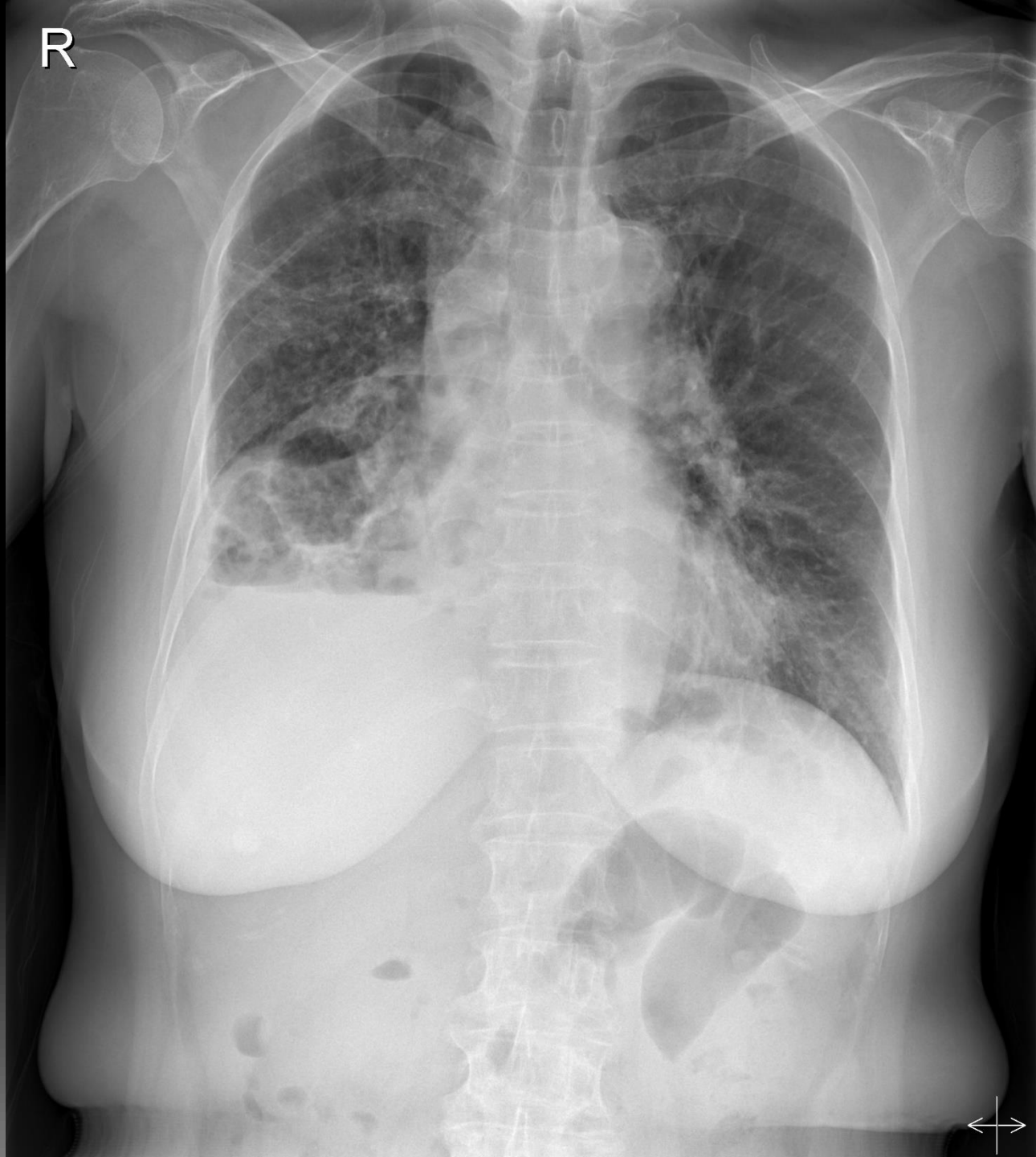
 - Platelet count : 214,000/mm³

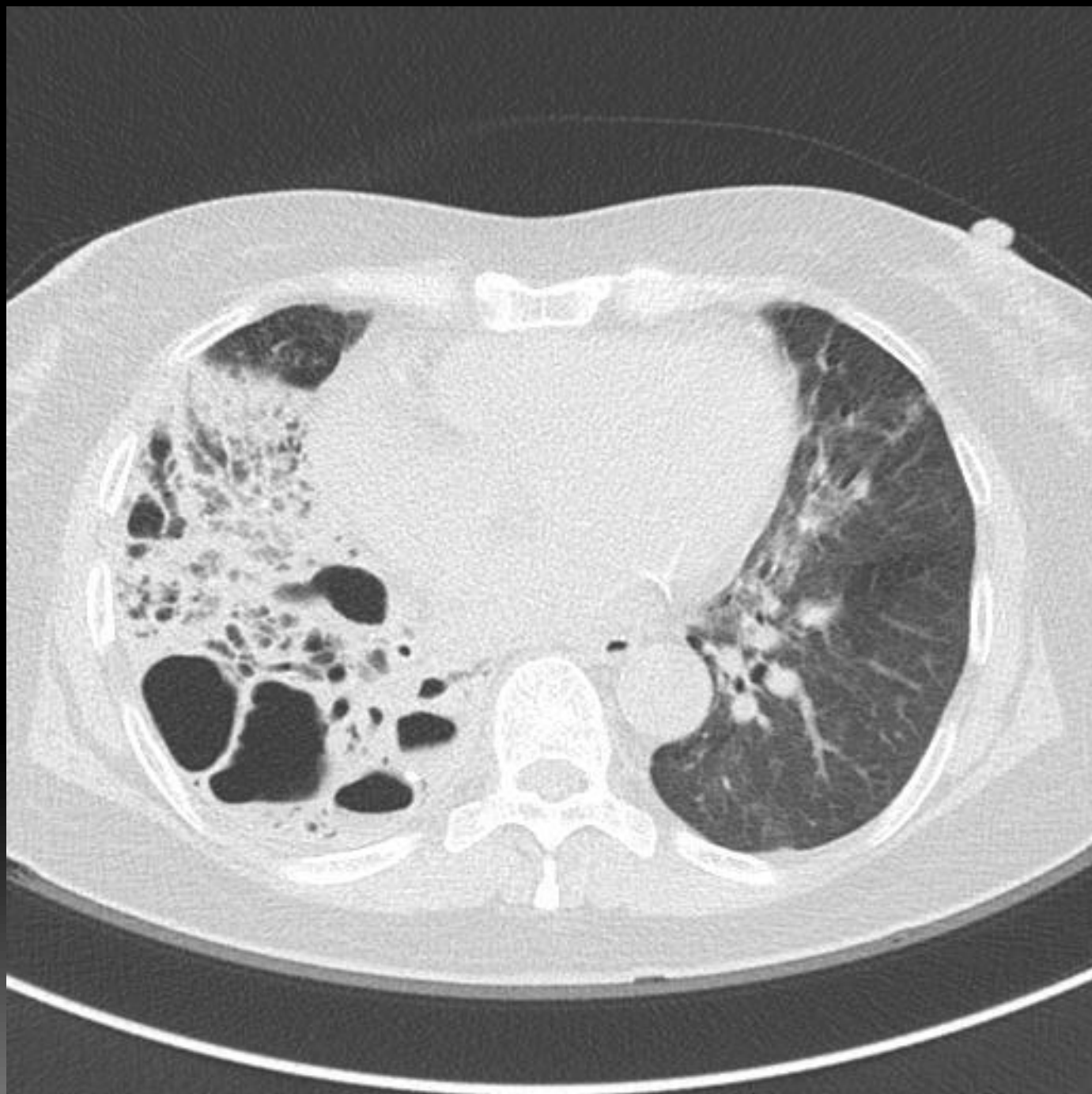
- CRP: 11.8 mg/dL

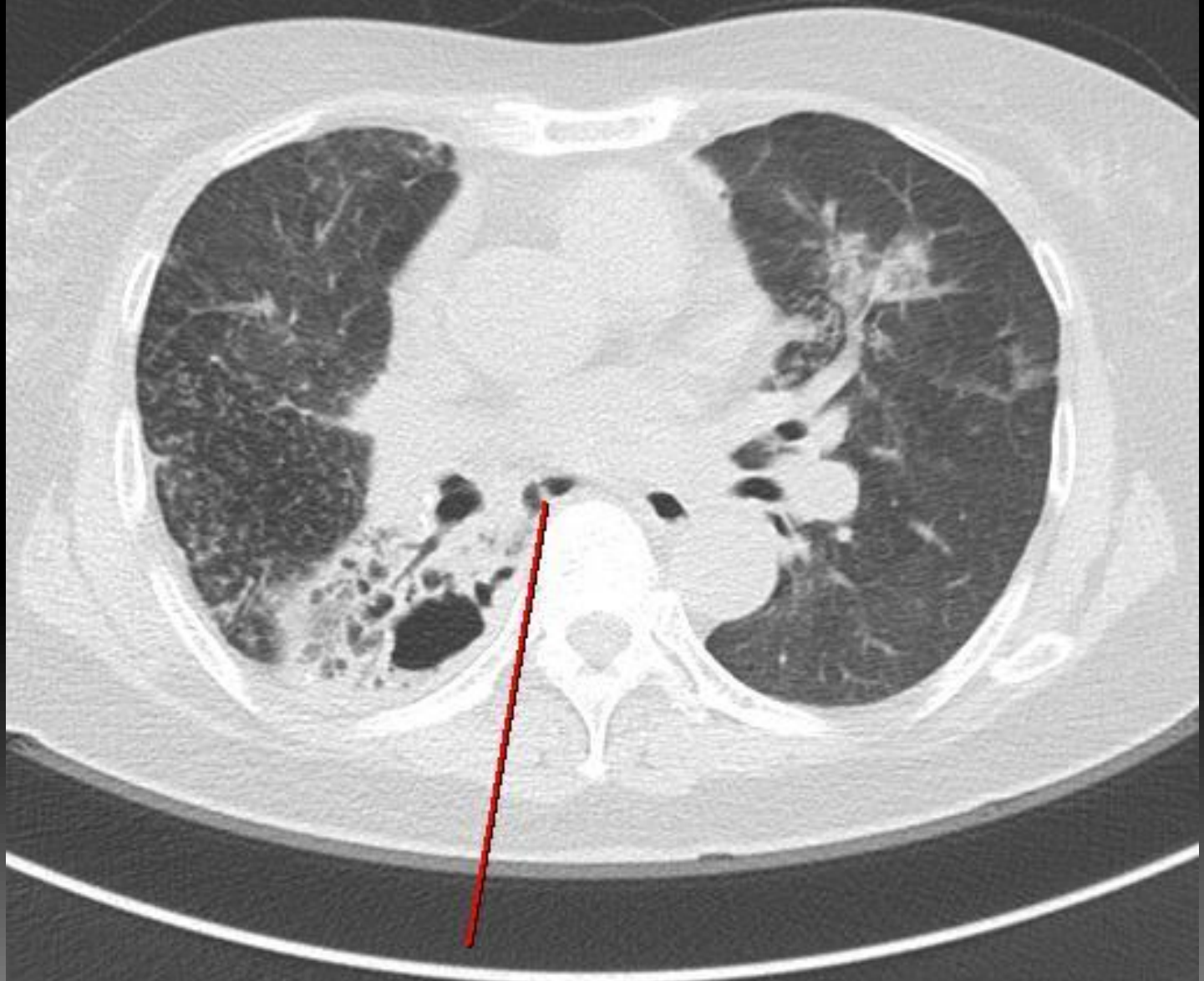
Pulmonary Function Test

- ▣ FVC: 1.87 (65%)
- ▣ FEV₁: 1.20 (58%)
- ▣ FEV₁/FVC: 64%

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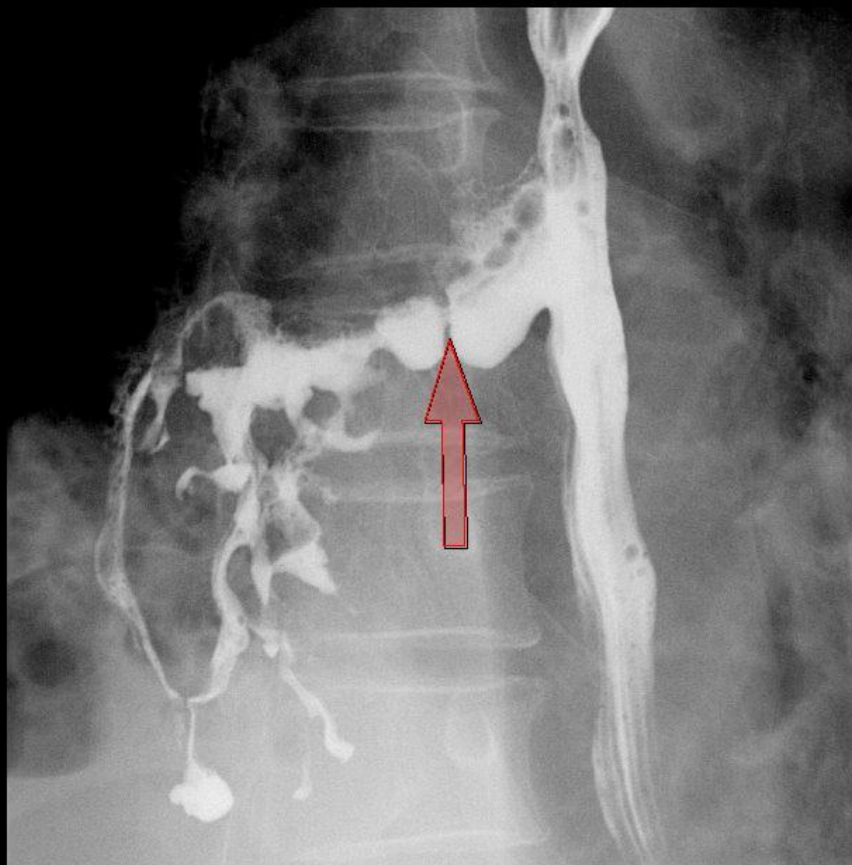


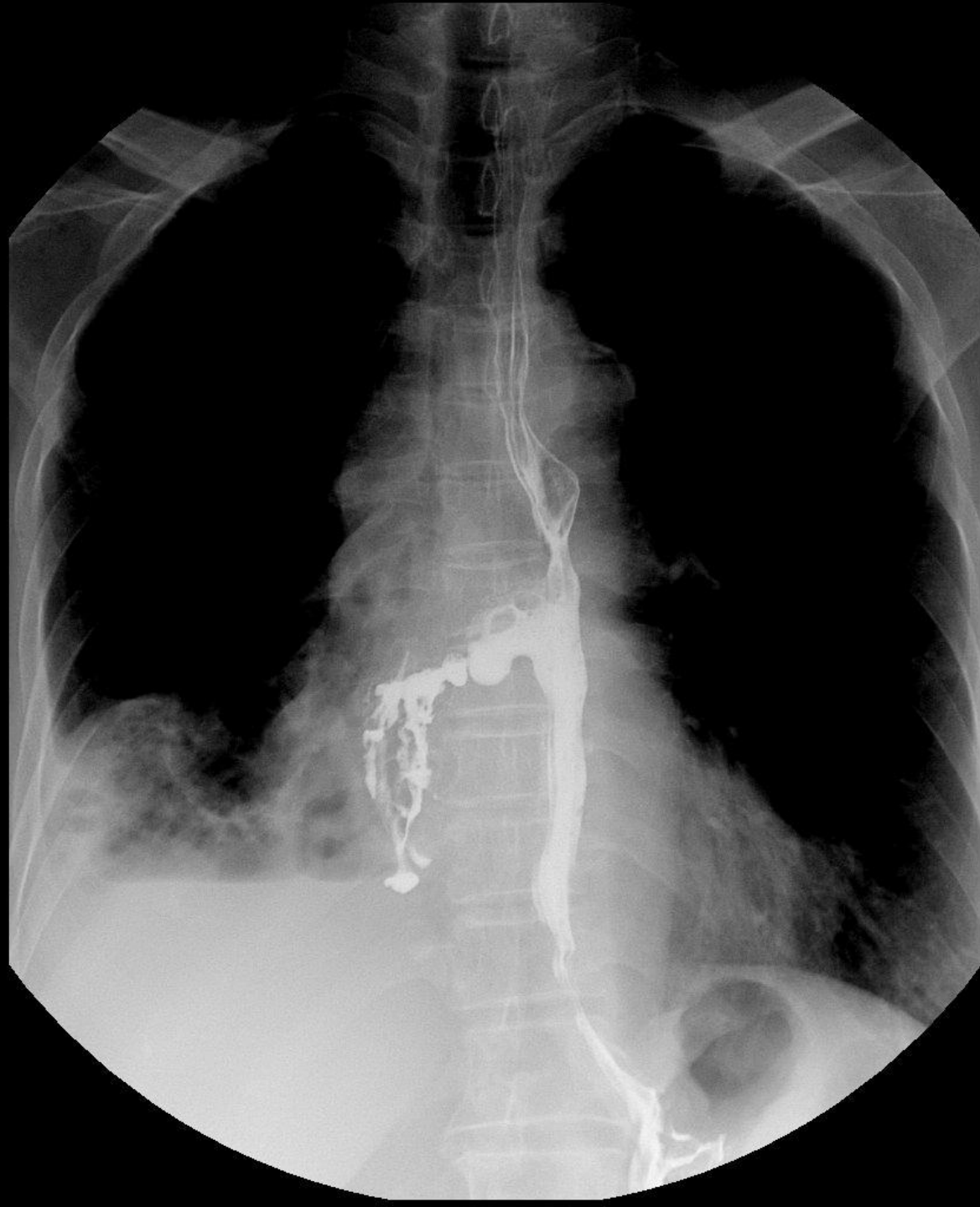












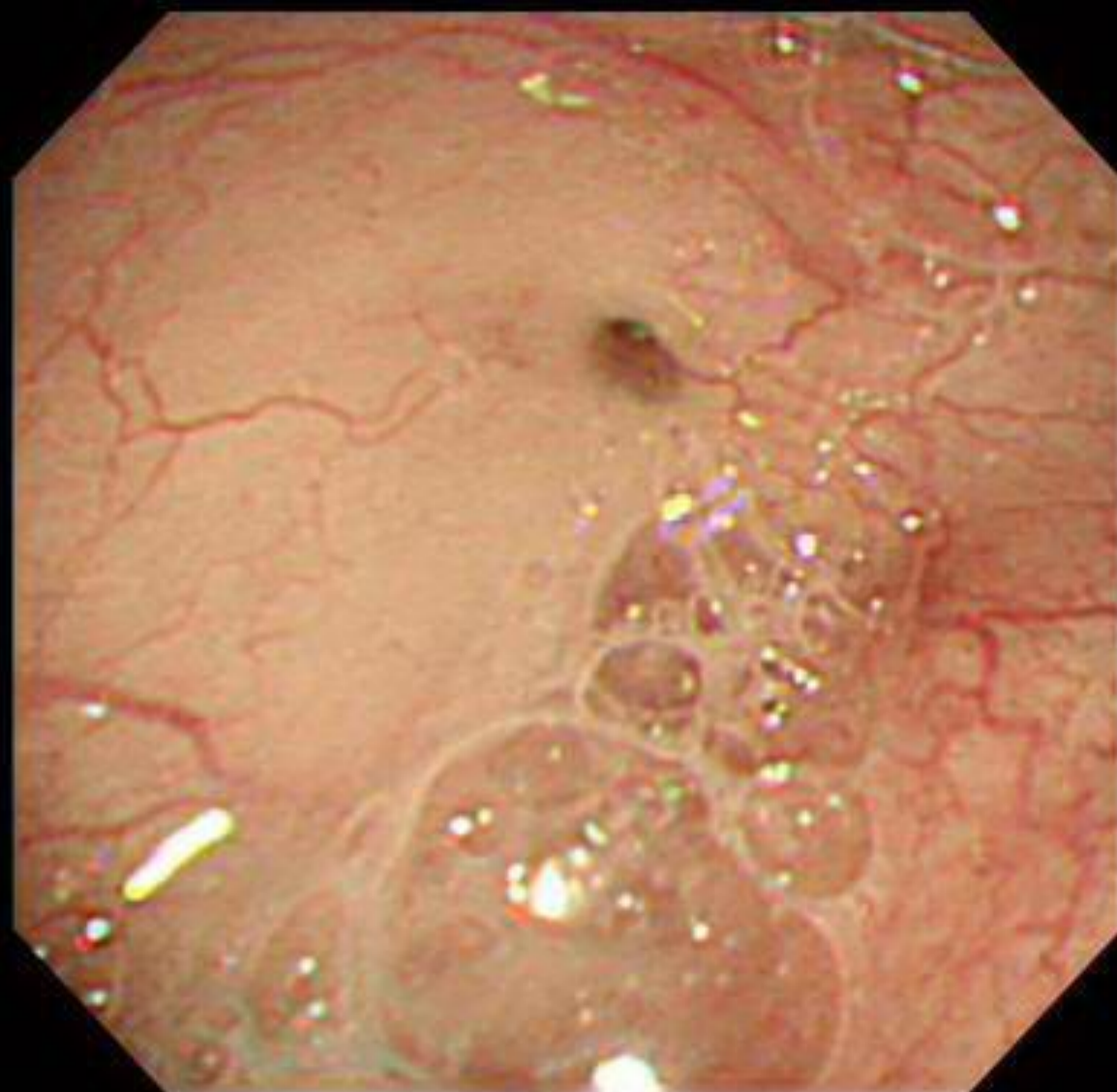
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15:26:04

SCV: 24

Ct: N Eh: A5
Ce: 1



LHH

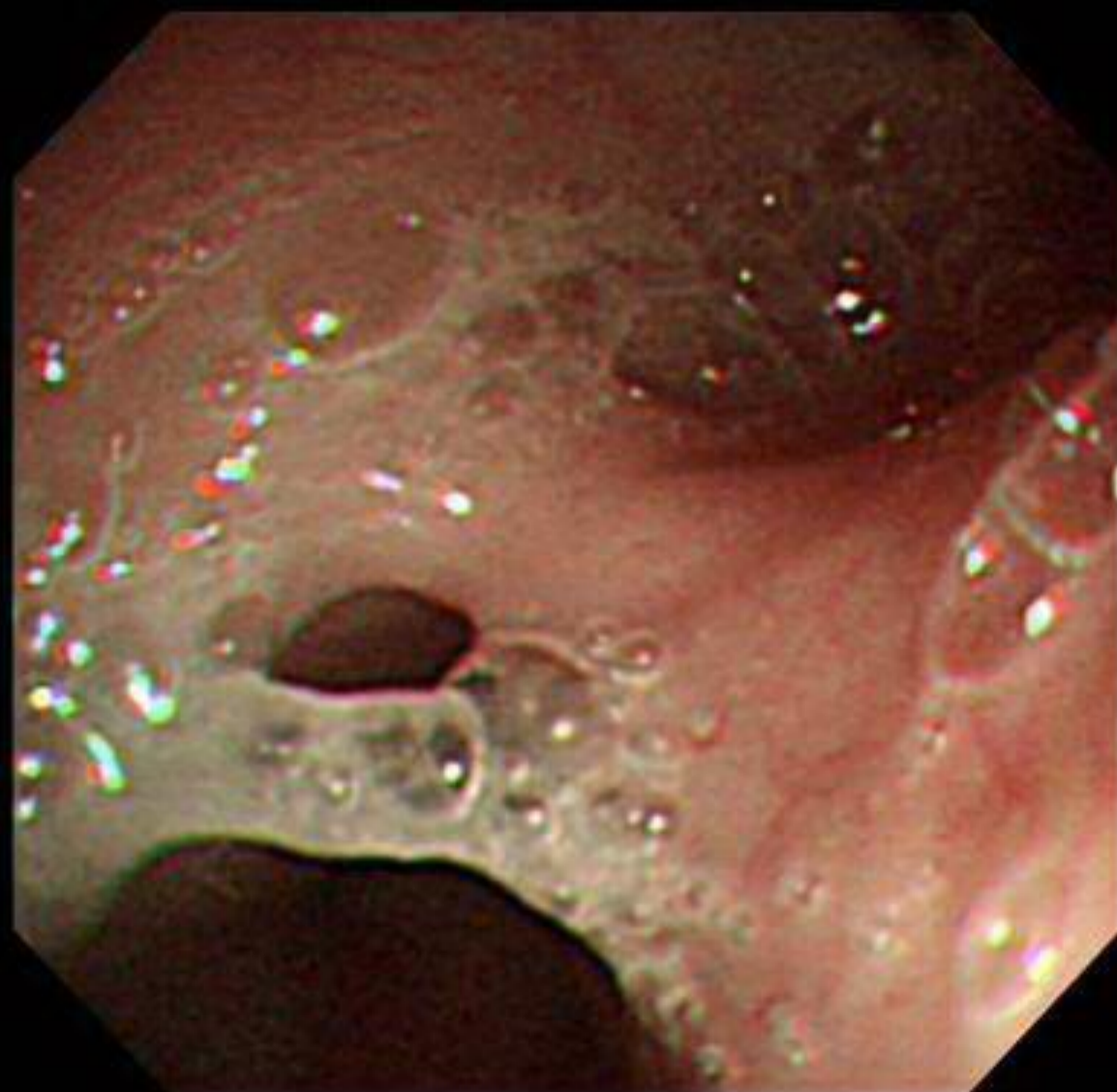
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SCV: 24

Ct: N Eh: A5
Ce: 1



LHH■

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SCV: 24

Ct: N Eh: A5
Ce: 1



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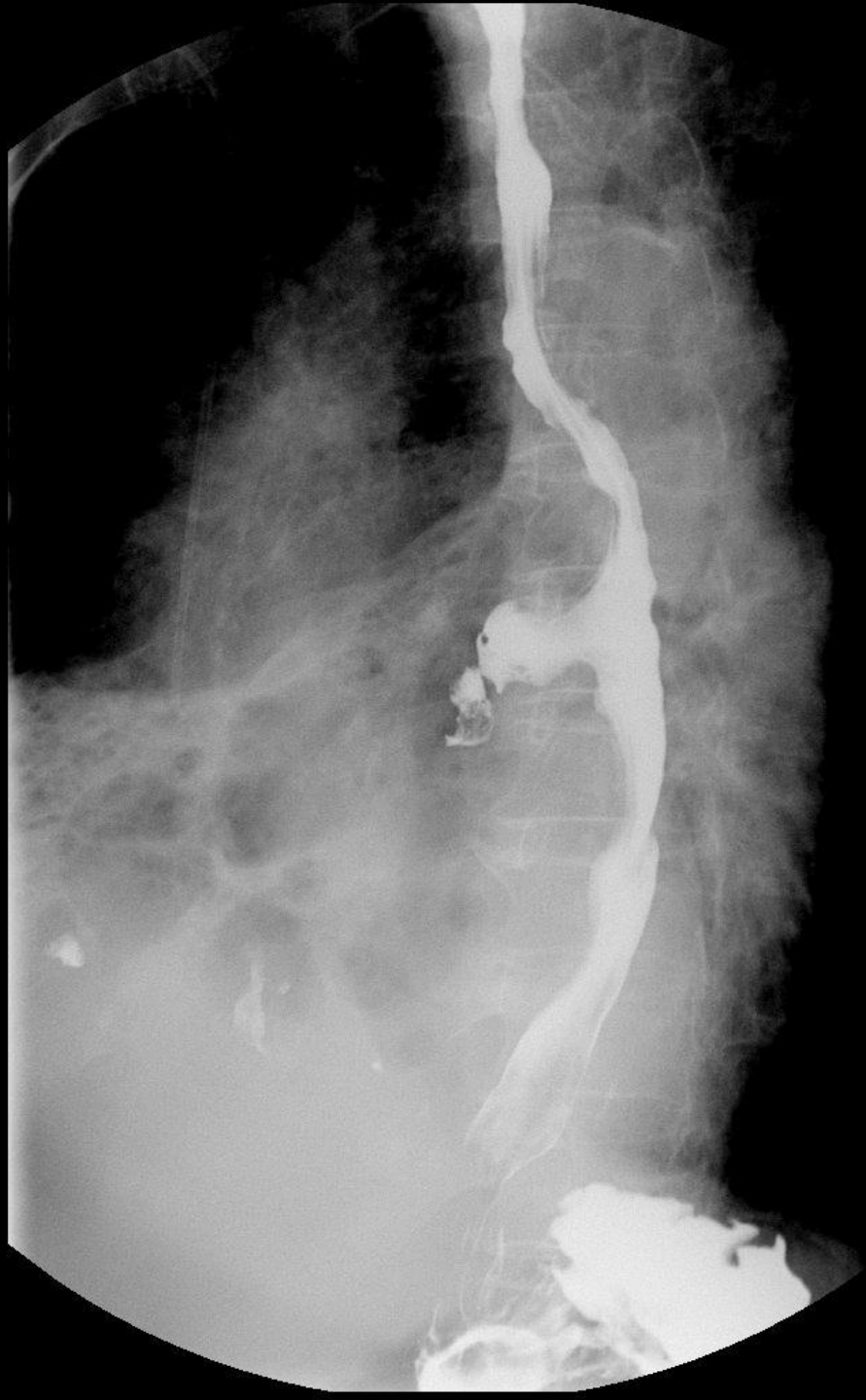
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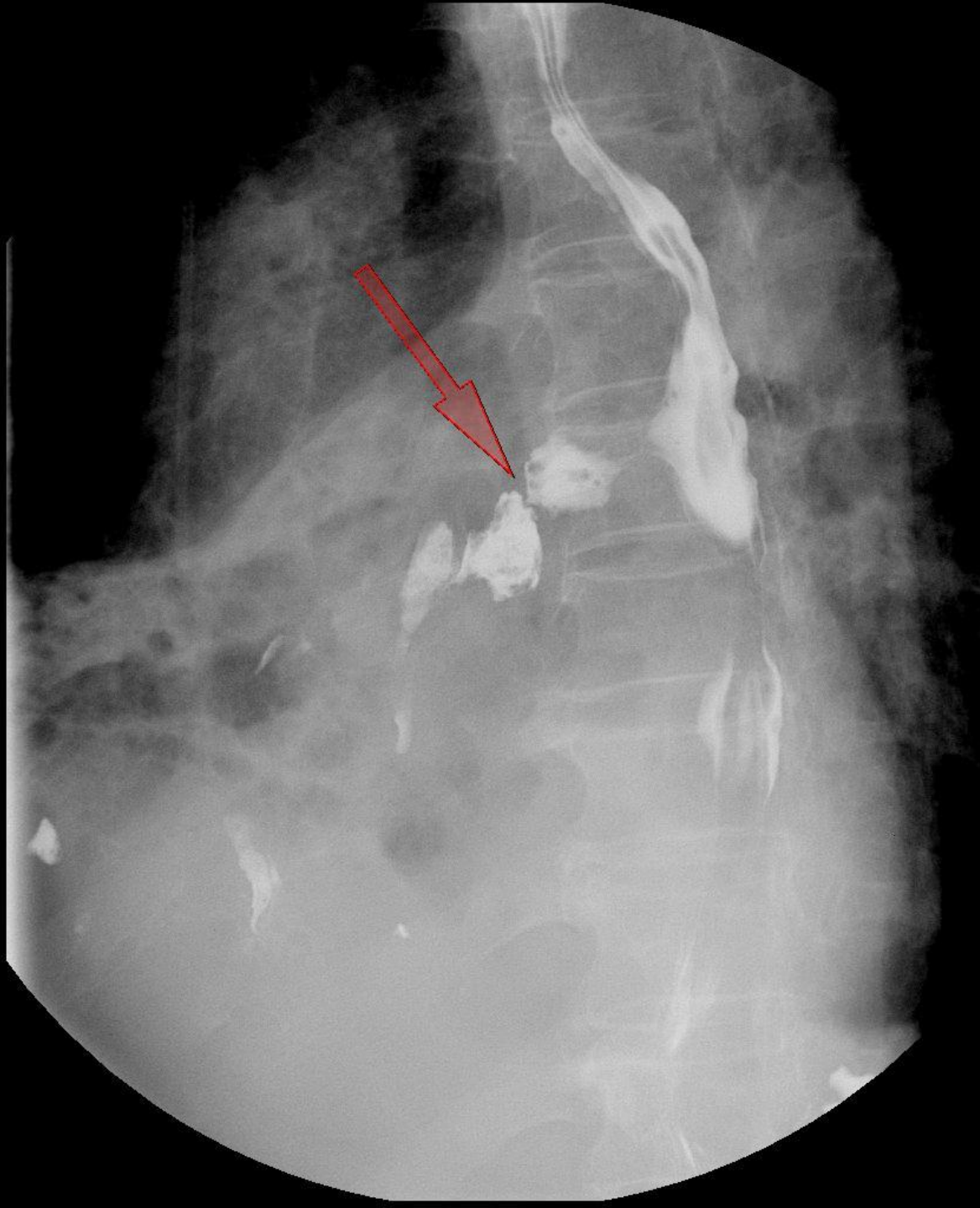
SCV: 24

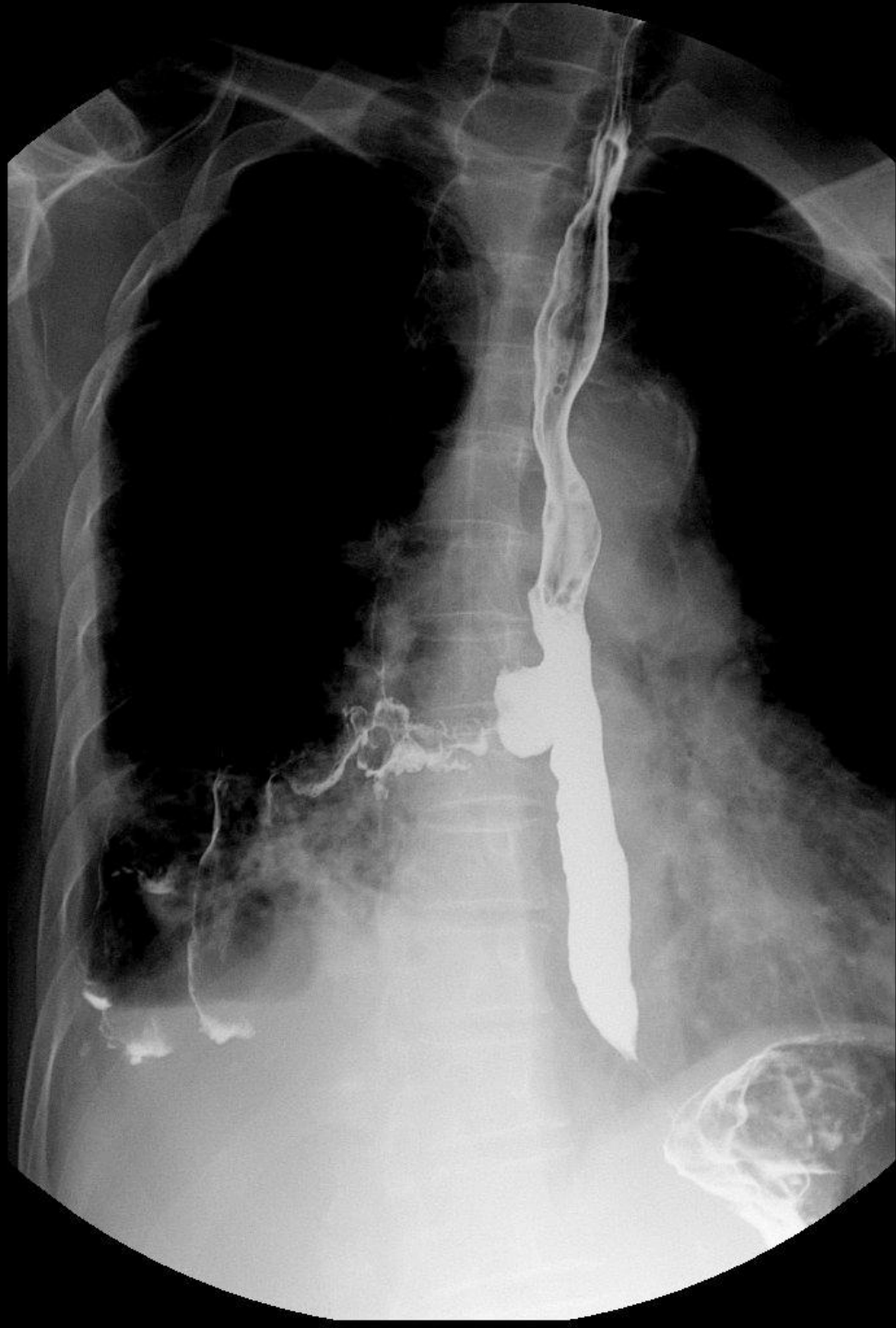
Ct: N Eh: A5
Ce: 1

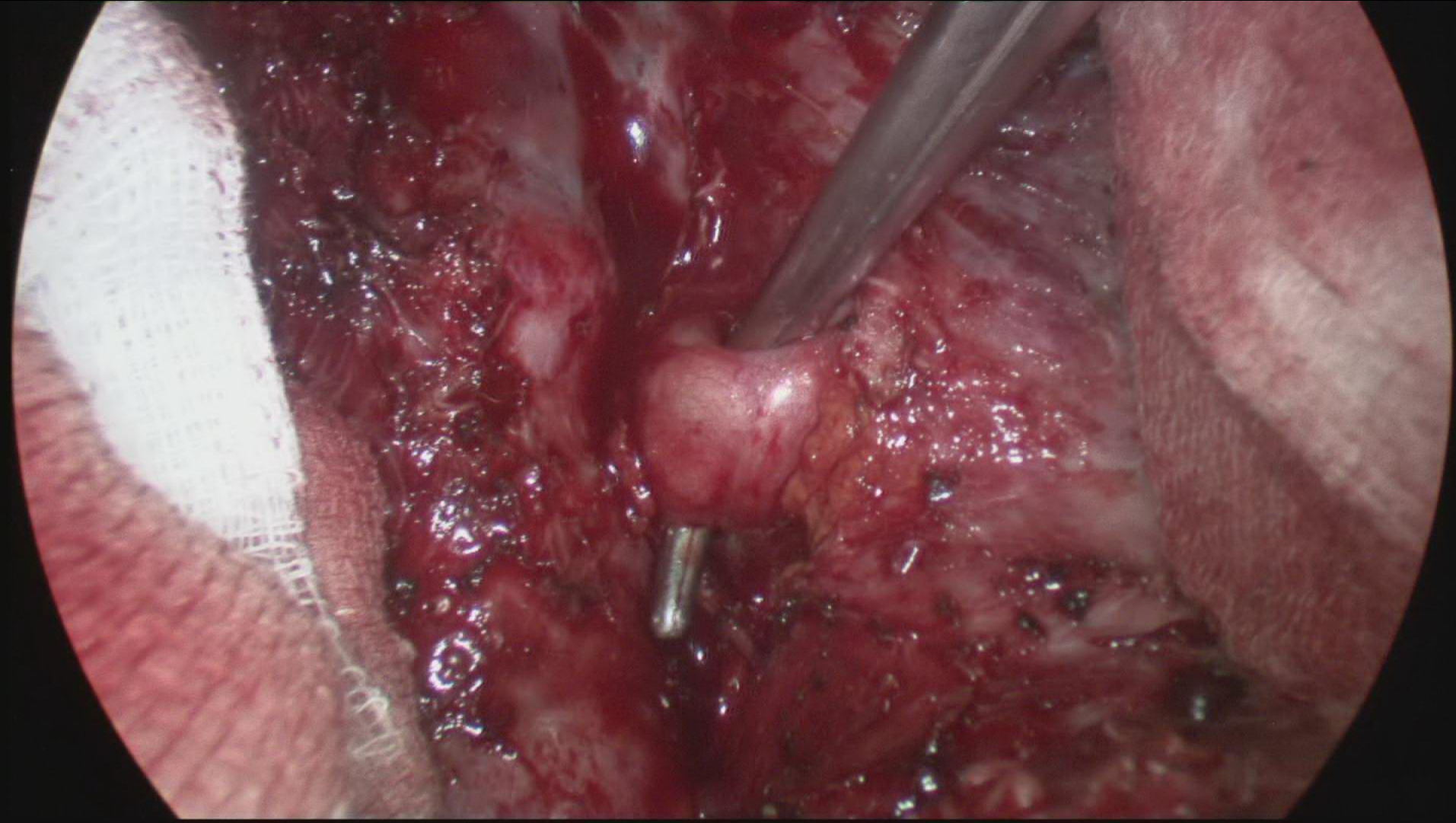


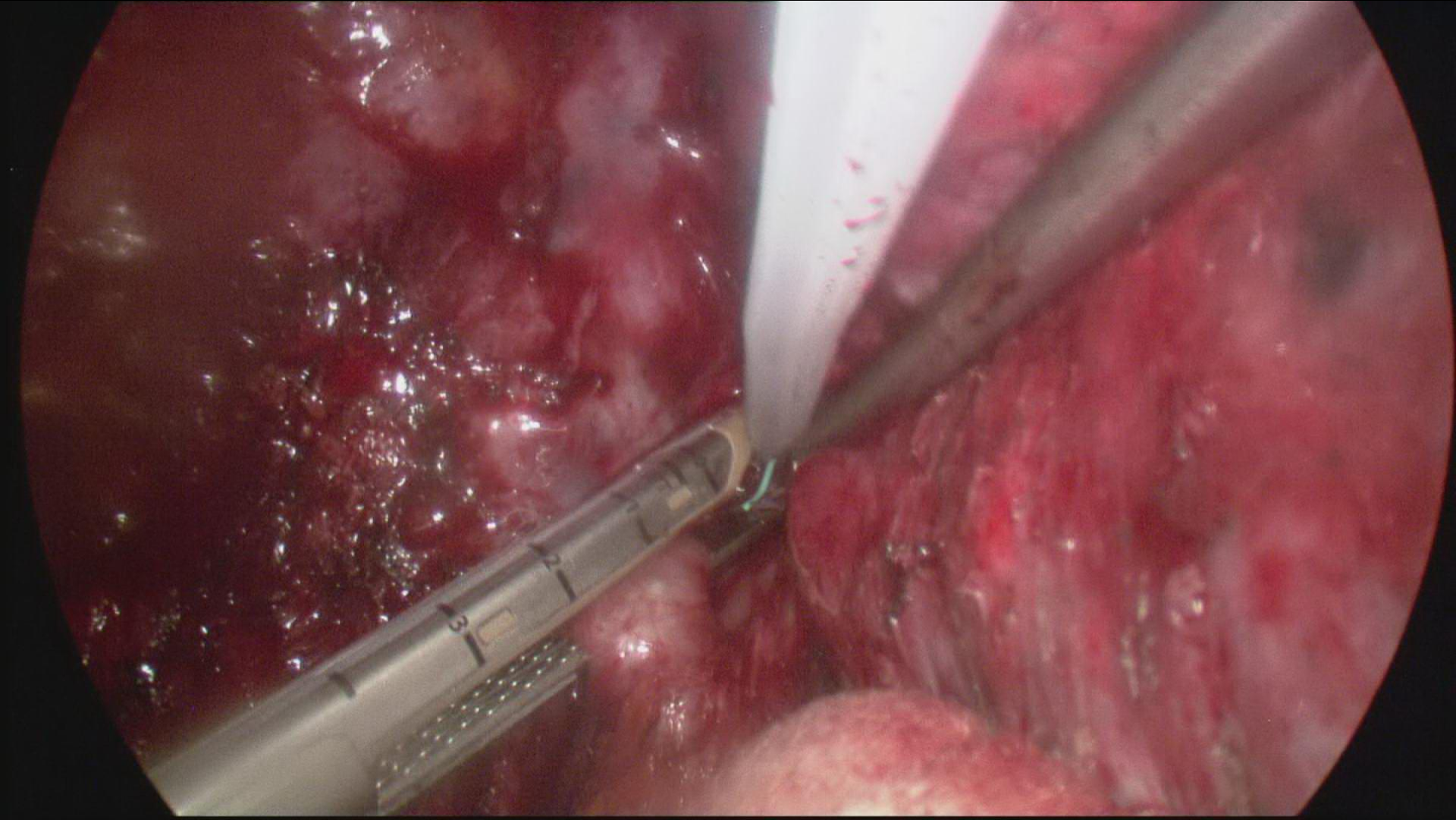
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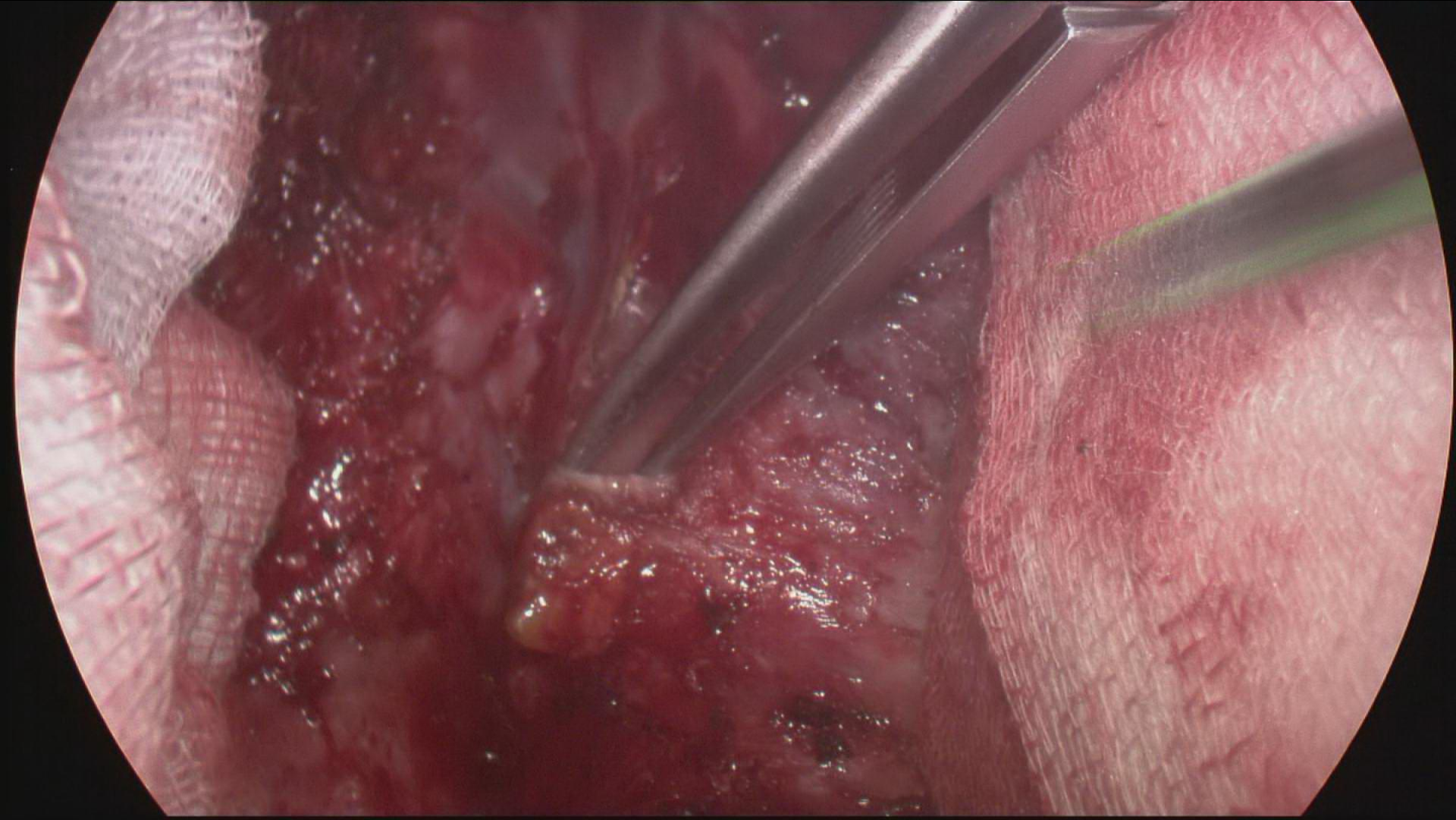


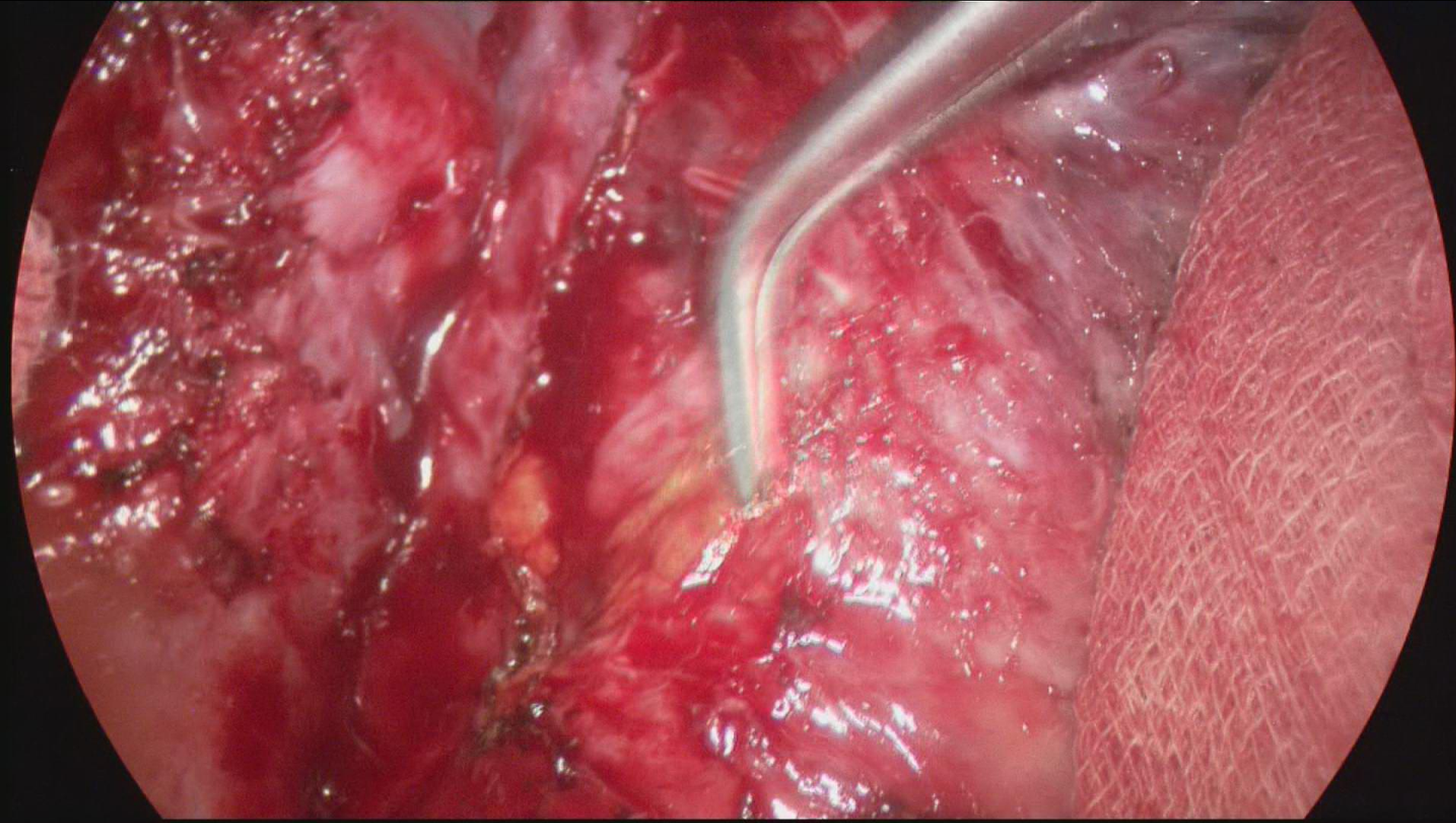


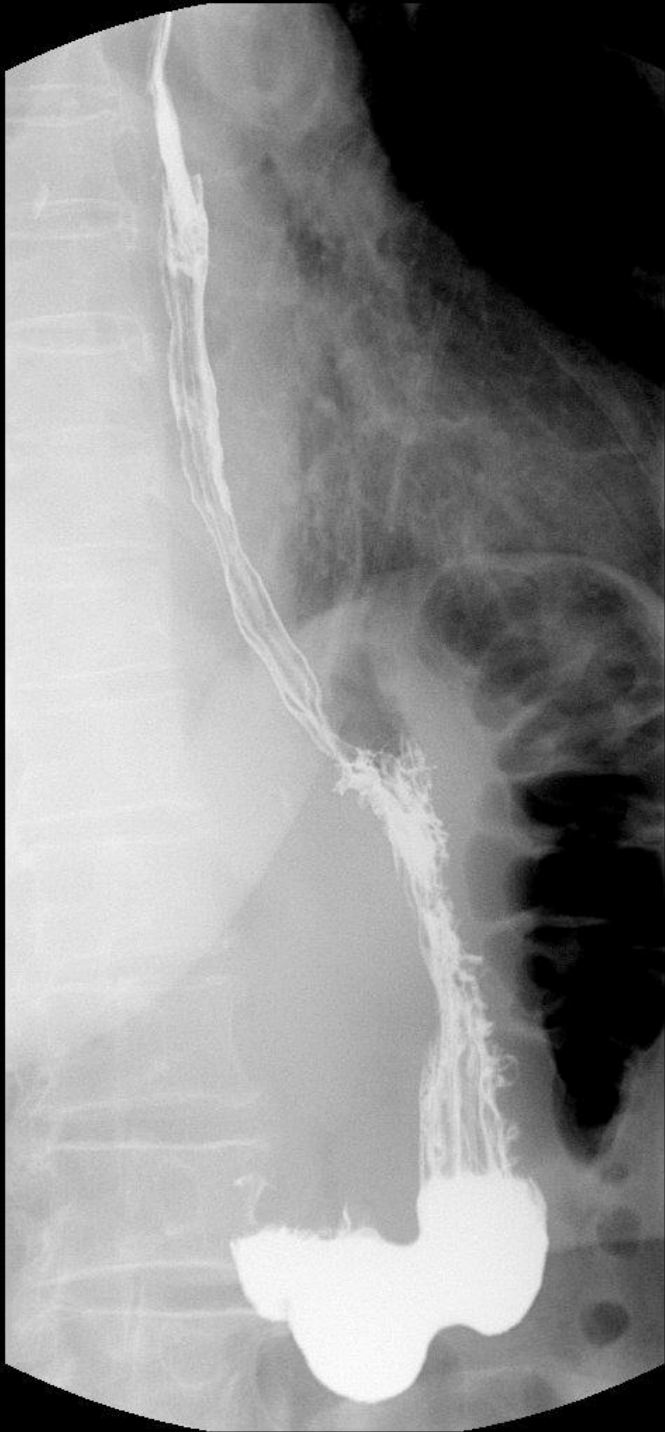














Progression Note

- 2014년 7월 VATs op 시행한 후 현재까지 폐렴 없음
- 2015년 1월 입원 요하지 않을 정도의 악화 1회

Summary of case 2

- A case of COPD + bronchiectasis
- Recurrent pneumonia + AE
- TE fistula – recurrent aspiration
- Prognosis is improved after treatment of recurrent aspiration
- GERD, bronchiectasis, and COPD are closely linked and overlapped