

Fallvorstellung Lungenembolie

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Kardiologie KSBL Liestal

Herr L. 62j

Vorstellung NFS

- Plötzliche Dyspnoe und Thoraxschmerzen

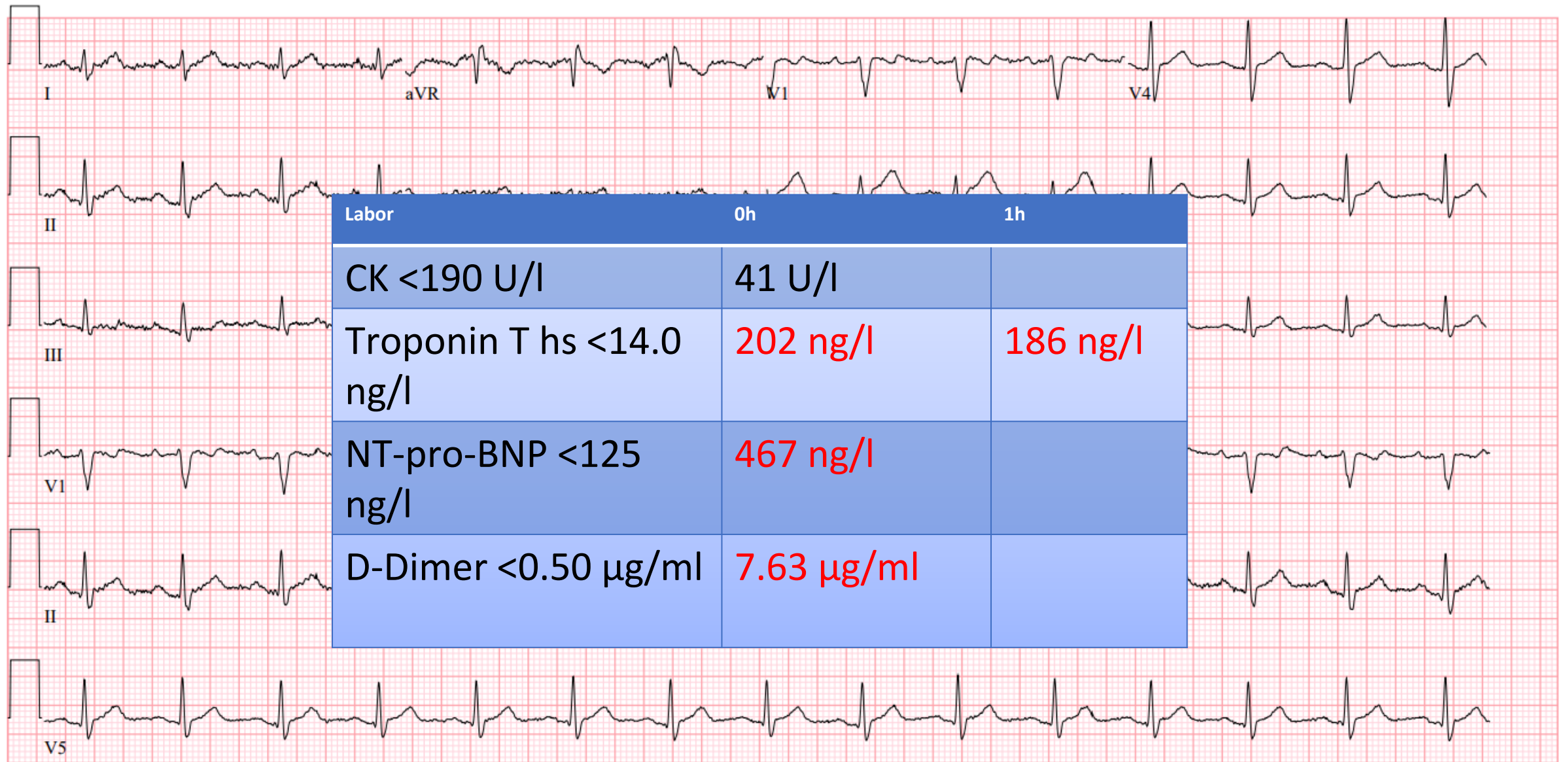
Diagnosen

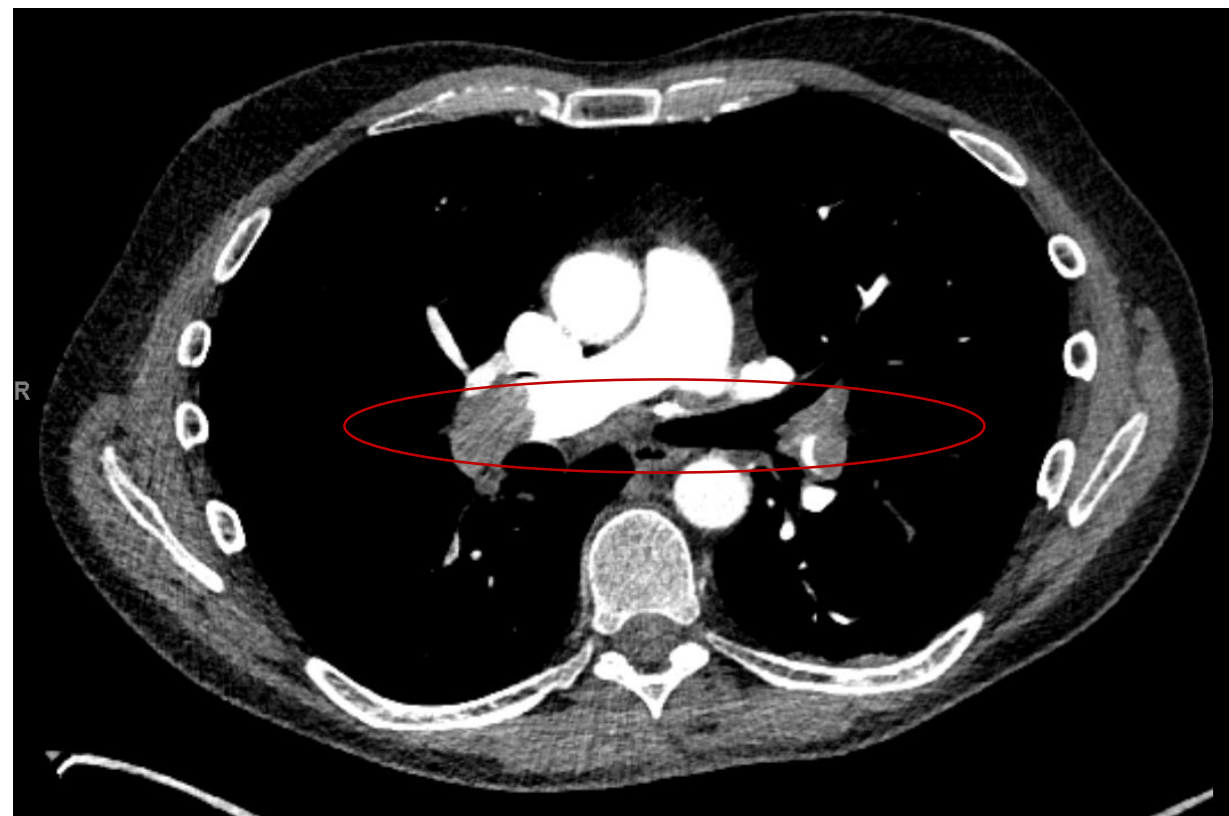
1. Koronarsklerose

- cvRF: keine

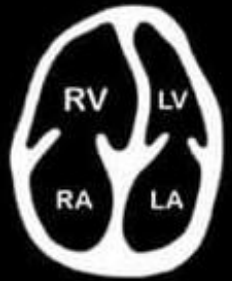
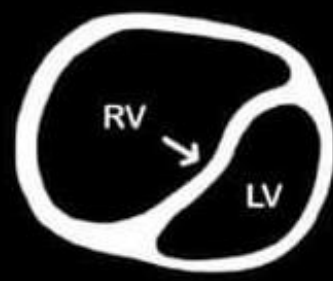




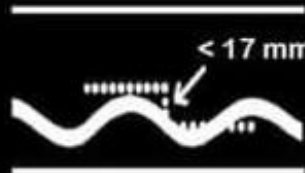







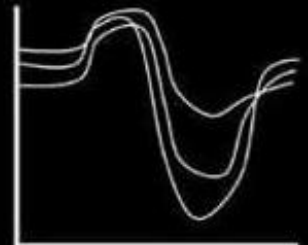
2. GERD

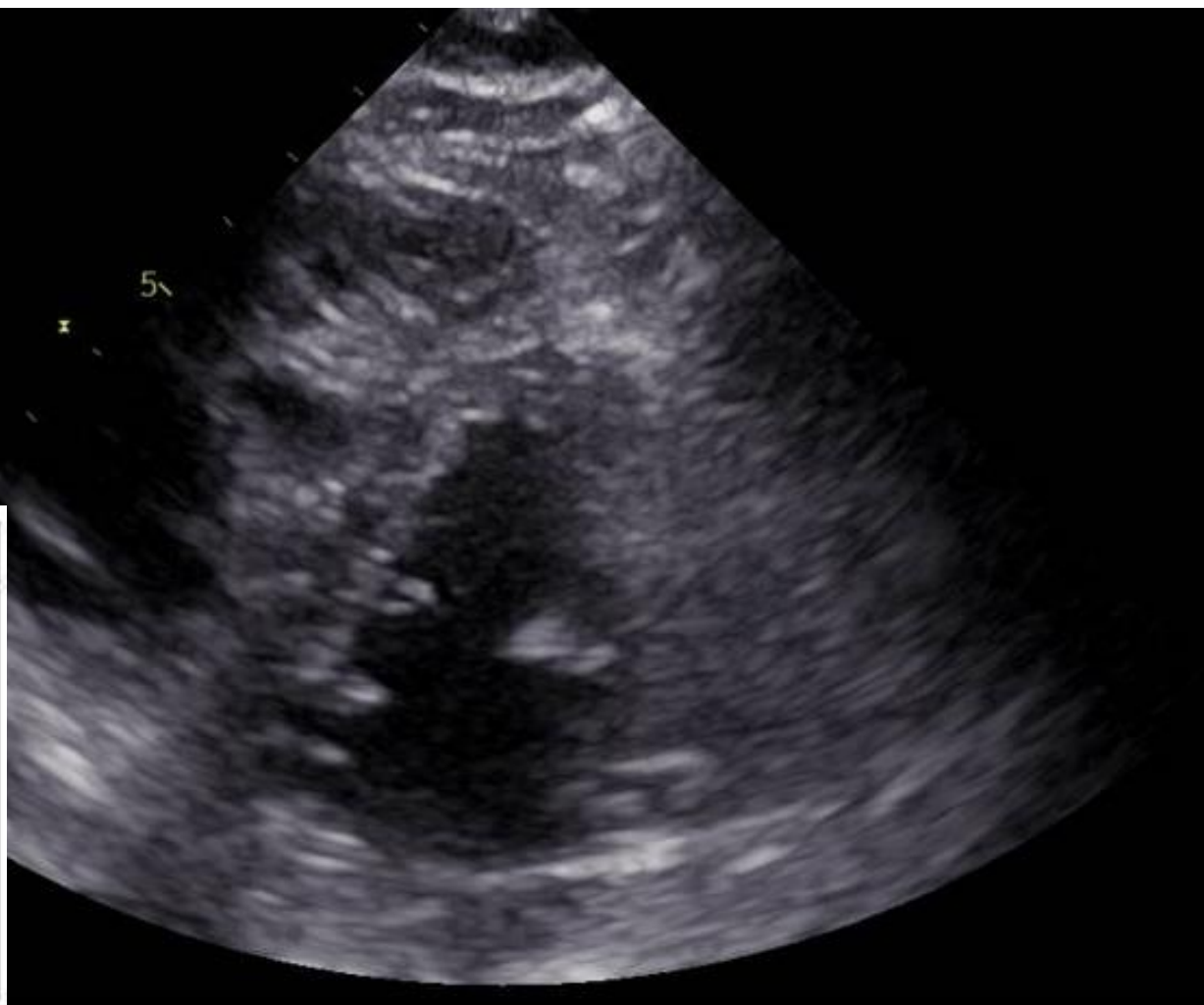
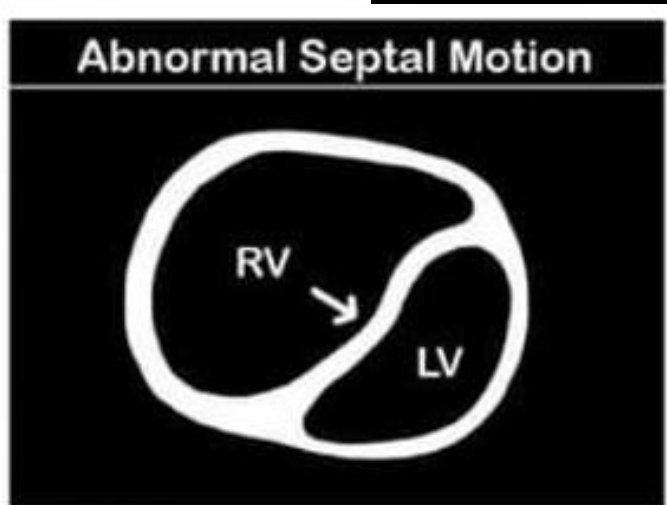


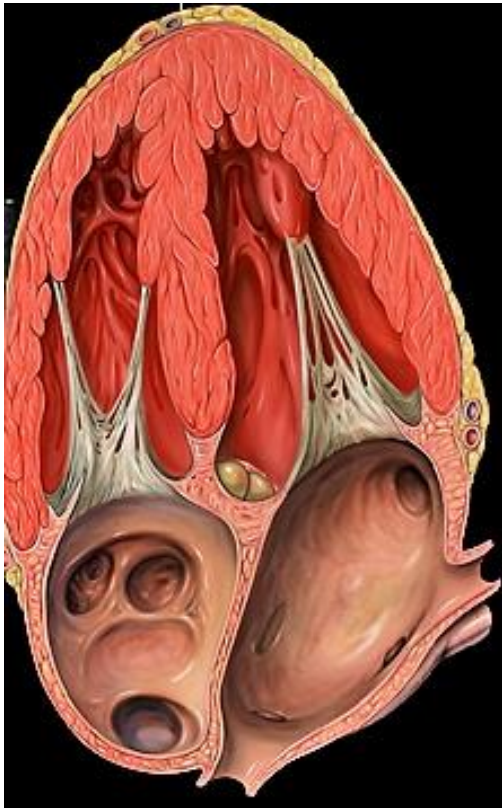




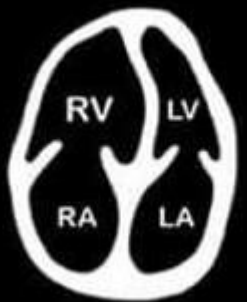


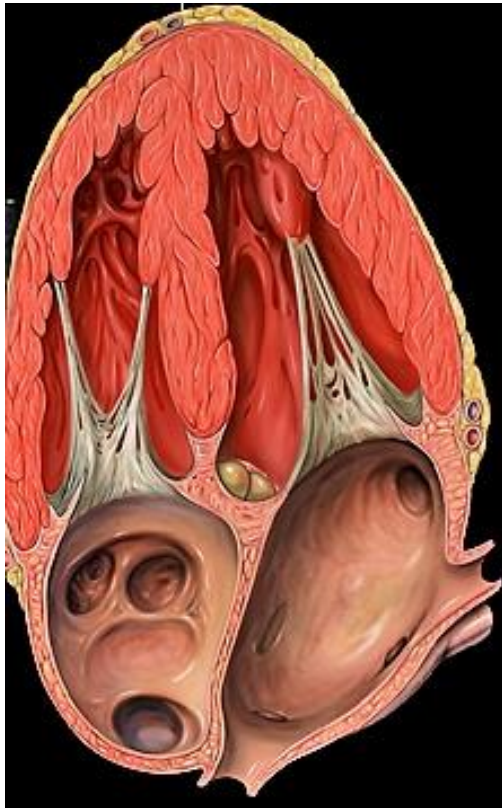
Increased RV:LV Size Ratio	Abnormal Septal Motion	McConnell's Sign	Tricuspid Regurgitation
			
Elevated Pulmonary Artery Systolic Pressure	Decreased TAPSE		Decreased S'
 <p>3 mmHg 8 mmHg 15 mmHg</p> $PASP = (4 \times TRV_{max}^2) + RAP > 35 \text{ mmHg}$	  <p>$< 17 \text{ mm}$</p>		  <p>$< 9.5 \text{ cm/s}$ E' A'</p>
Pulmonary Artery Mid-Systolic Notching	60/60 Sign		Speckle Tracking: Decreased Free Wall Strain
 	 <p>$(4 \times TRV_{max}^2) < 60 \text{ mmHg}$</p>  <p>PAAT $< 60 \text{ ms}$</p>		 



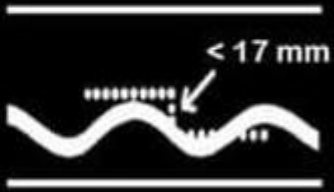


Increased RV:LV Size Ratio

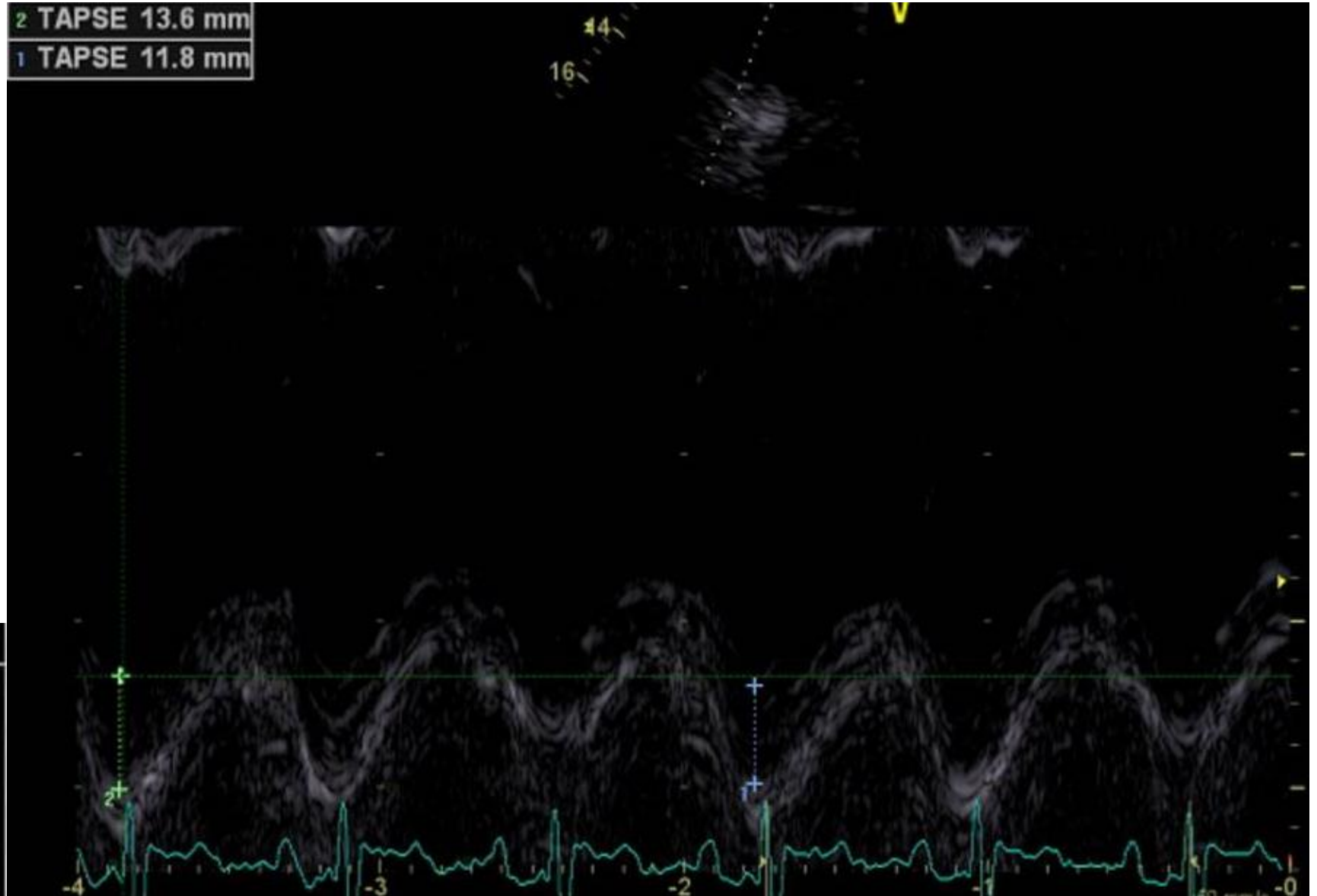




Decreased TAPSE



2 TAPSE 13.6 mm
1 TAPSE 11.8 mm



Pulmonary Embolism Severity Index (PESI)



Predicts 30-day outcome of patients with pulmonary embolism using 11 clinical criteria.

When to Use ▾

Pearls/Pitfalls ▾

Why Use ▾

Age	62	years
Sex	Female 0	Male +10
History of cancer	No 0	Yes +30
History of heart failure	No 0	Yes +10
History of chronic lung disease	No 0	Yes +10
Heart rate ≥ 110	No 0	Yes +20
Systolic BP < 100 mmHg	No 0	Yes +30
Respiratory rate ≥ 30	No 0	Yes +20
Temperature $< 36^{\circ}\text{C}/96.8^{\circ}\text{F}$	No 0	Yes +20
Altered mental status (disorientation, lethargy, stupor, or coma)	No 0	Yes +60
O2 saturation $< 90\%$	No 0	Yes +20

92 points

Class III, Intermediate Risk: 3.2-7.1% 30-day mortality in this group.

Copy Results 📄

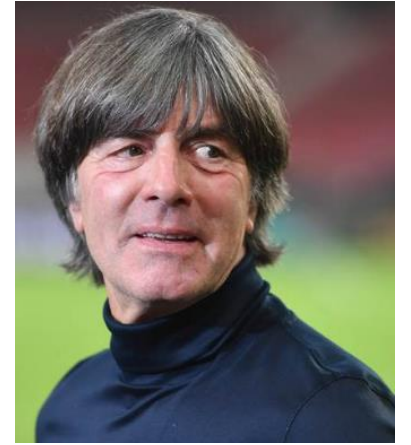
Next Steps >>>

92 points

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Copy Results 📄

Next Steps >>>



1. Zentrale Lungenembolie beidseits (intermediate high risk)

Akute Therapie? medikamentös vs EKOS Lyse vs Inari?

