



Step-by-step Guide to Transfemoral TAVR

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Programs





Imaging – CTA

- Valve sizing
- Vascular access

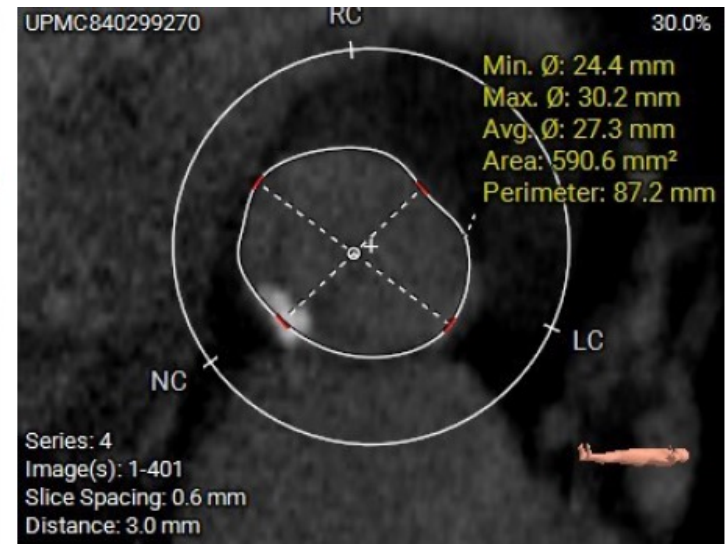
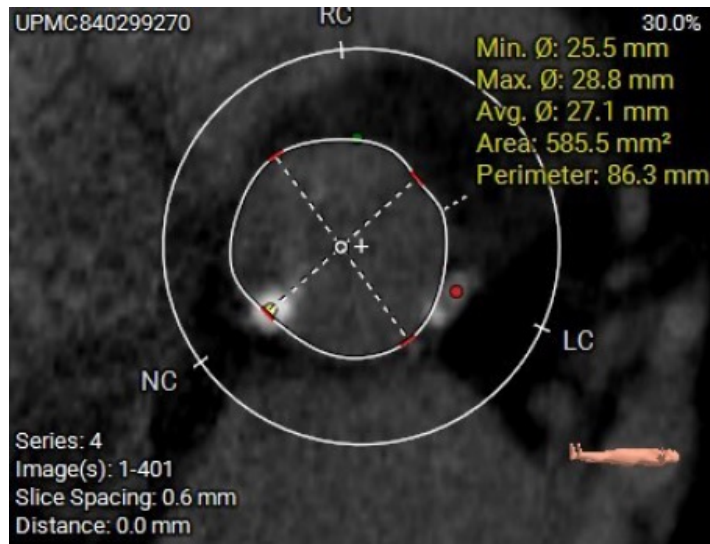
➤ Reduction in Risk

- ✓ Valve sizing – Paravalvular Leak¹
- ✓ Vascular access – Complications²



Imaging – CTA

- Valve sizing



THV Oversize/Undersize (%) Calculation

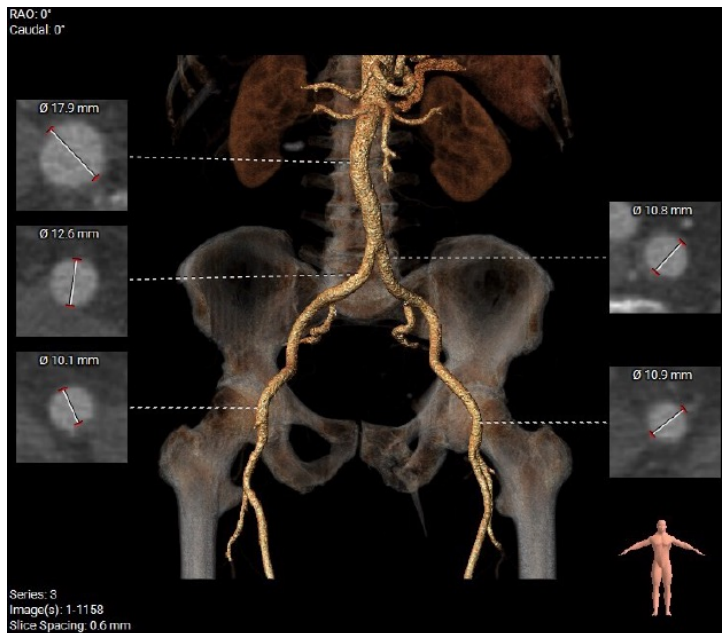
Annular Area	585.3 mm ²			
THV Size	20 mm	23 mm	26 mm	29 mm
% THV Over (+)/Under(-)				10.9%
Annular Area by 3D CT				





Imaging – CTA

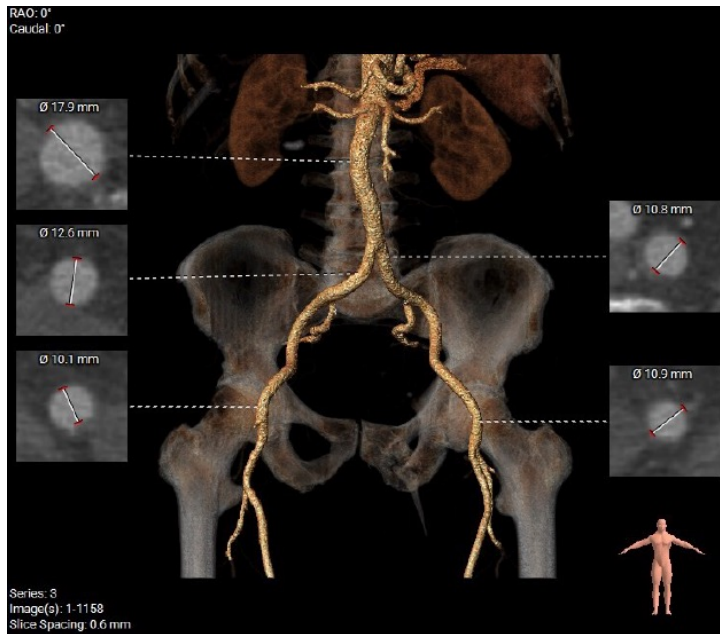
- Vascular access



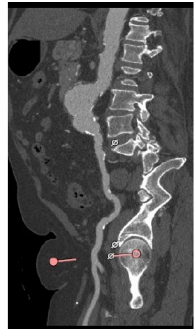
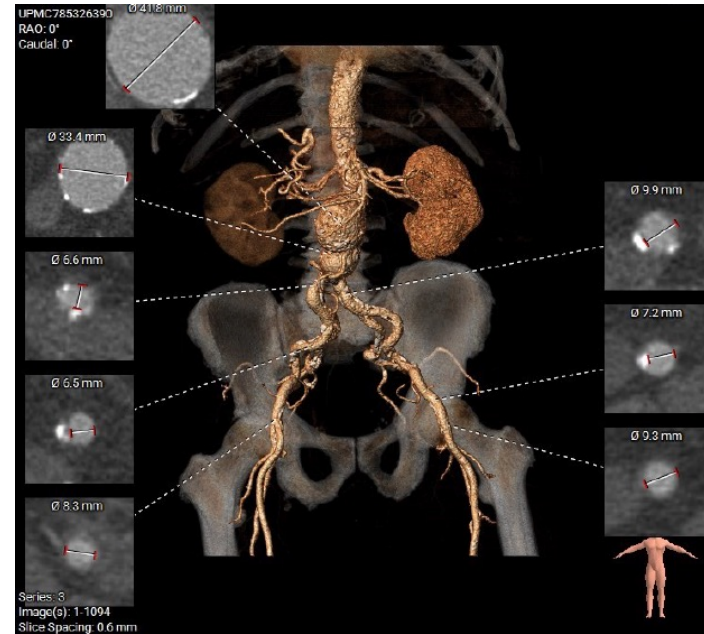


Imaging – CTA

- Vascular access



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Vascular Access



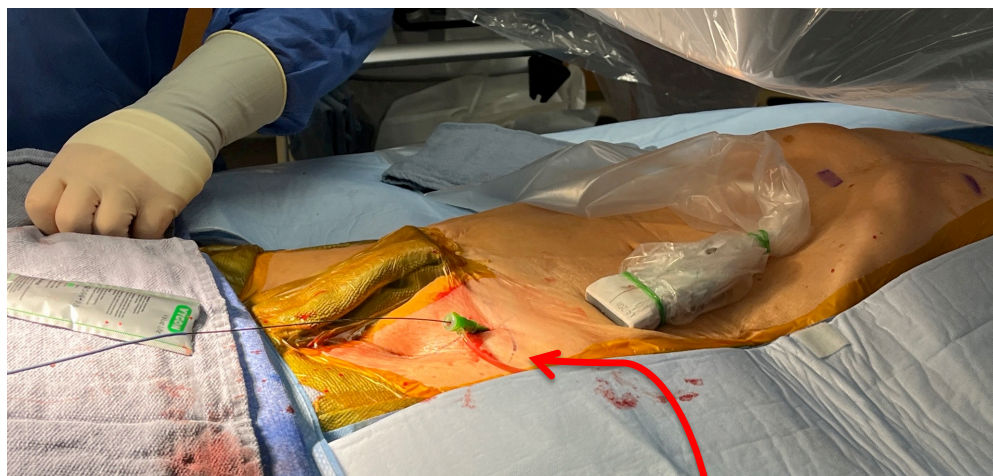
Vascular Access





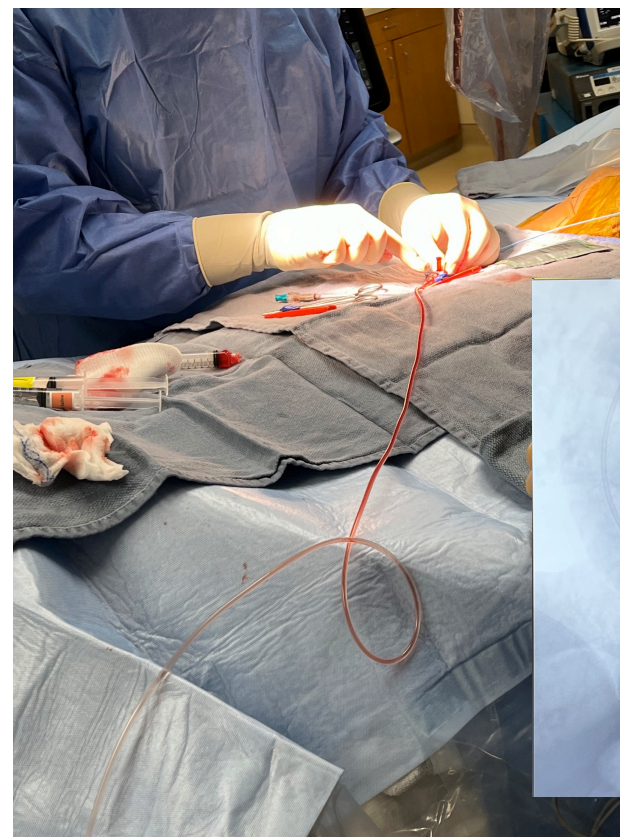
Vascular Access

Secondary Site: Pig Tail & Pacer



6F Arterial Sheath: 5F angled Pig tail & Sidearm to A-line

8F Venous Sheath: Pacing lead to RV & Sidearm for venous access





Back Table Device Prep

Simultaneous



Vascular Access

Primary Site



8F Arterial Sheath:

- 5F MP Wire Exchange – Lunderquist & Dilate
- Advance delivery sheath





Vascular Access Primary Site



8F Arterial Sheath:

- 5F MP Wire Exchange – Lunderquist & Dilate
Advance delivery sheath

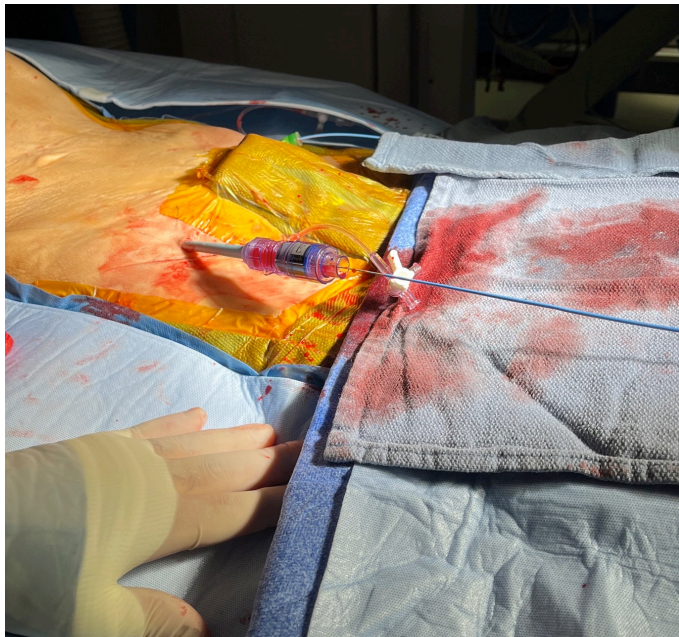
6F MP B2 Wire Exchange: J => Fixed Strait to cross valve

- 6F MP B2 advance & measure LVEDP





Vascular Access Primary Site



8F Arterial Sheath:

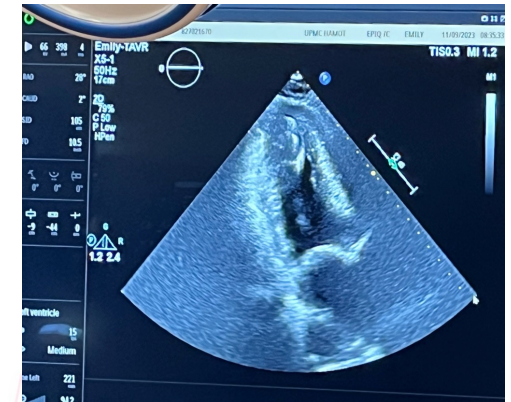
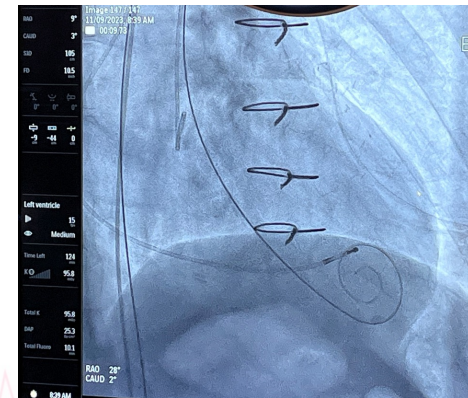
- 5F MP Wire Exchange – Lunderquist & Dilate
- Advance delivery sheath

6F MP B2 Wire Exchange: J => Fixed Strait to cross valve

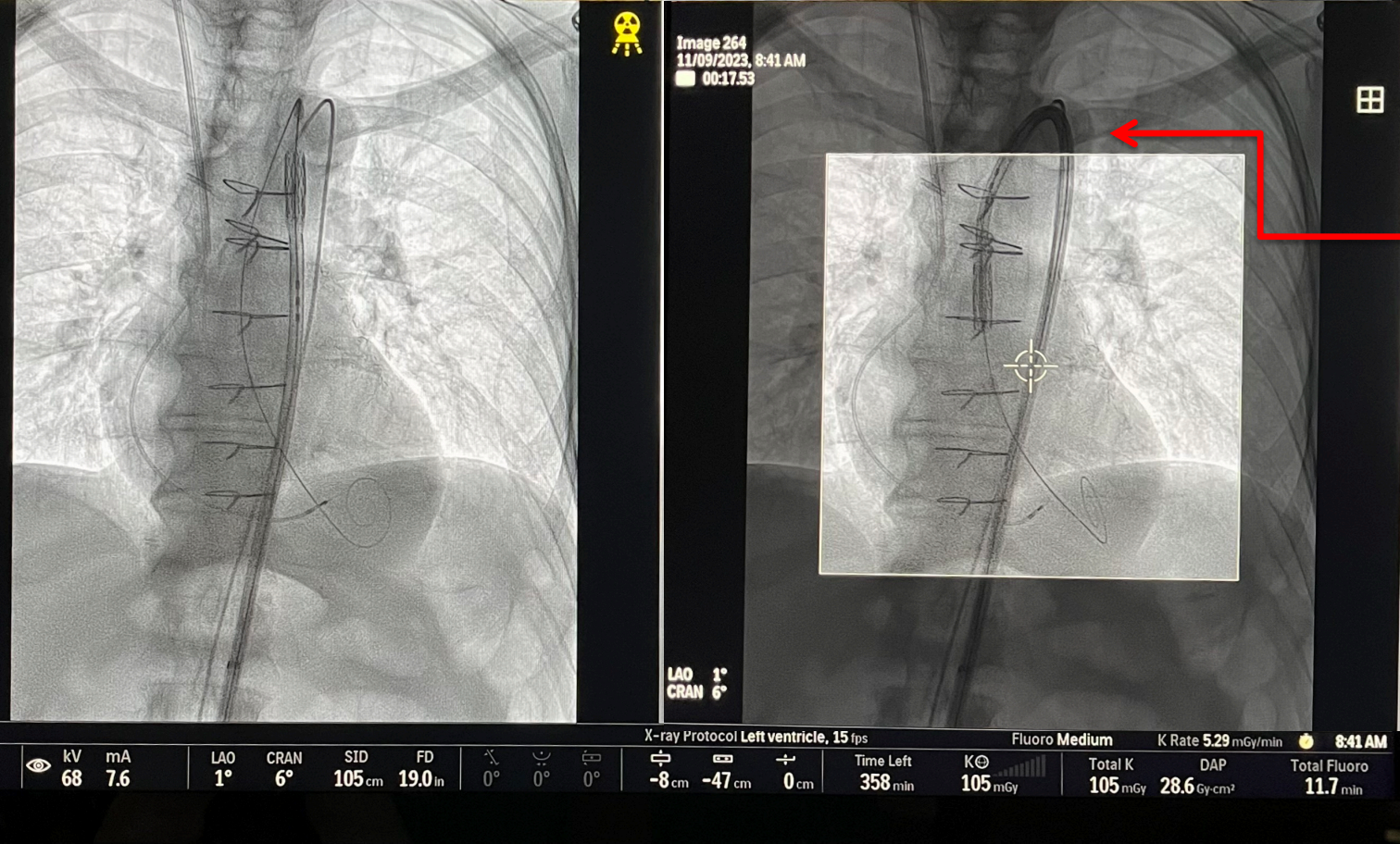
- 6F MP B2 advance & measure LVEDP

Safari Wire to LV Apex

- Fluoroscopy & TTE



Device Delivery

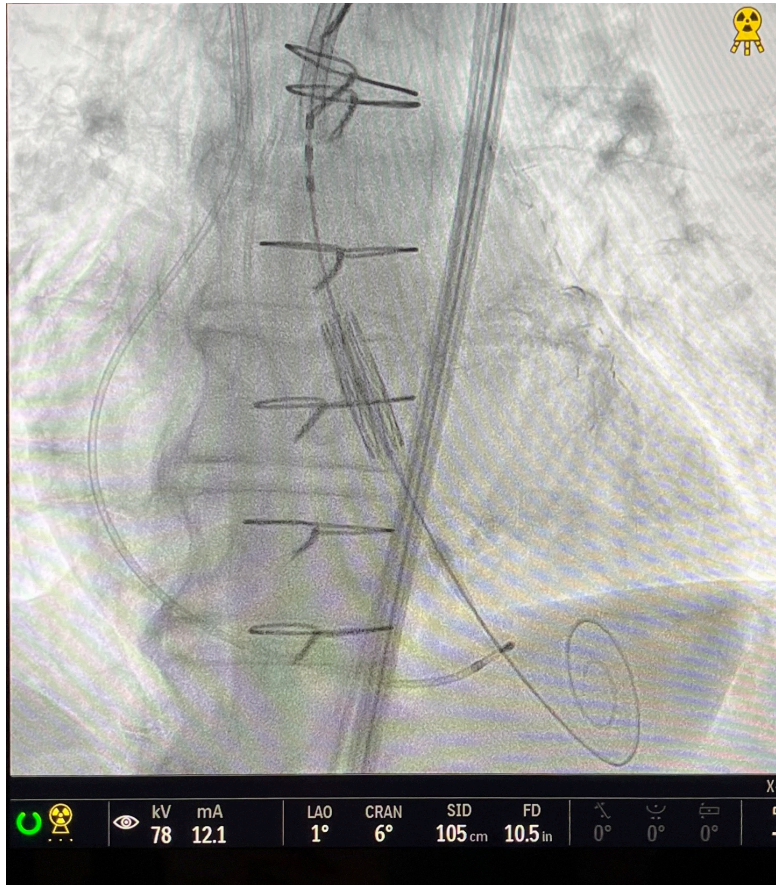


CAUTION:

- Slow
 - Careful
 - Gentle
- Around the aortic arch



Device Positioning



Balloon Expandable:

Marker to Pigtail

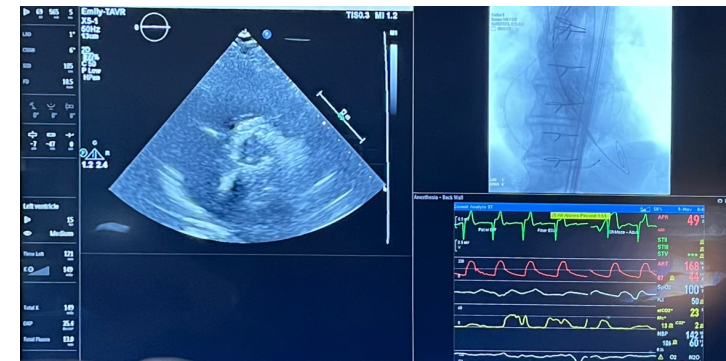
Vs

Self Expanding:

Marker band to Pigtail & Cusp Overlap



Device Deployment



Vascular Closure/Sealing

Primary Site



8F Arterial Sheath:

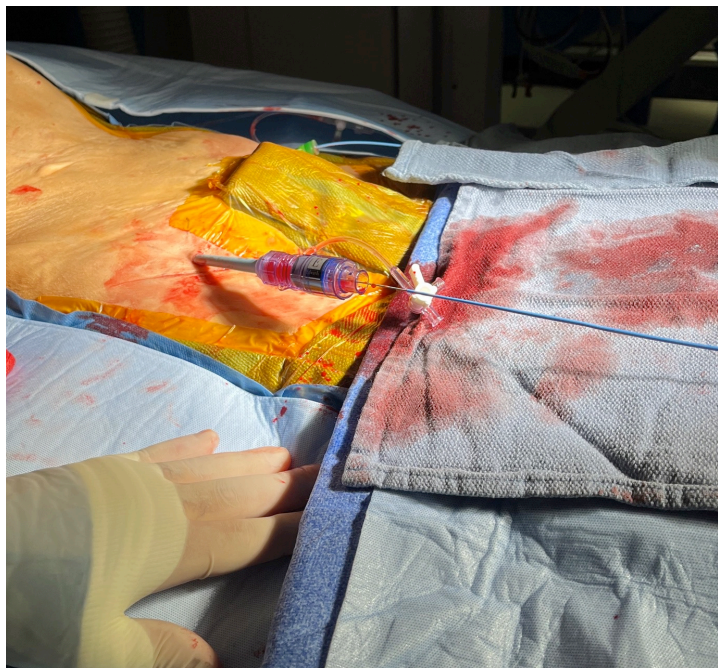
- 5F MP Wire Exchange – Safari to J wire





Vascular Closure/Sealing

Primary Site



8F Arterial Sheath:

- 5F MP Wire Exchange – Safari to J wire



Vascular Closure/Sealing Secondary Site



Disposition:

- Lines out
- Transfer to PACU
- OOB evening
- POD #1: TTE & Home

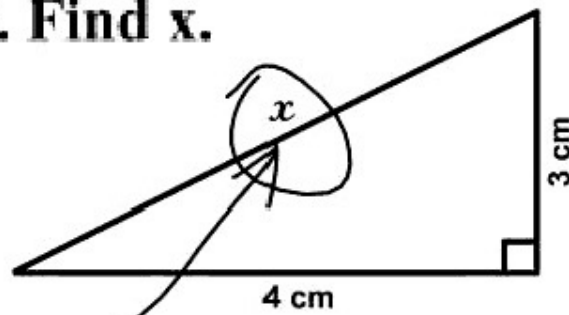




Questions?



3. Find x .



Here it is

