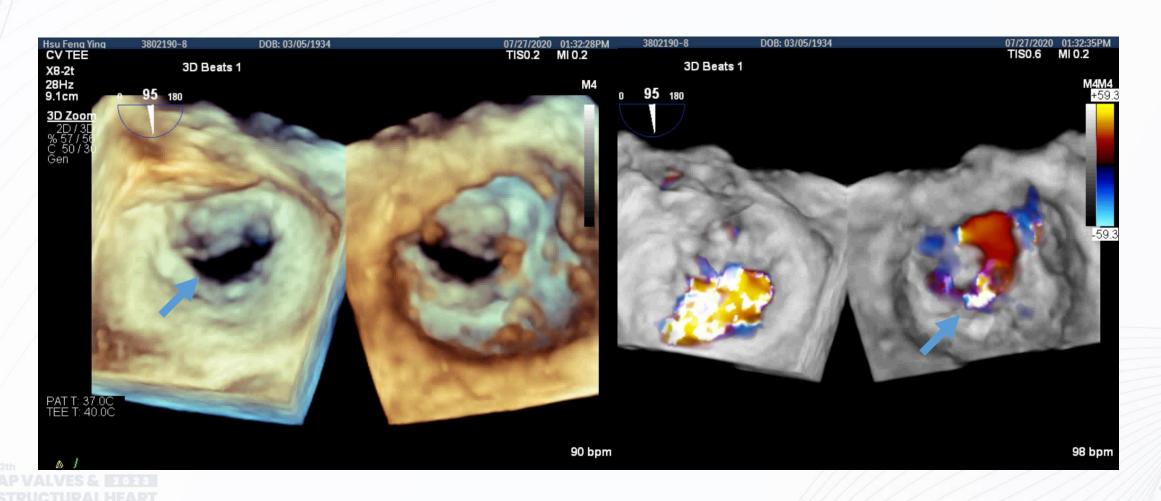
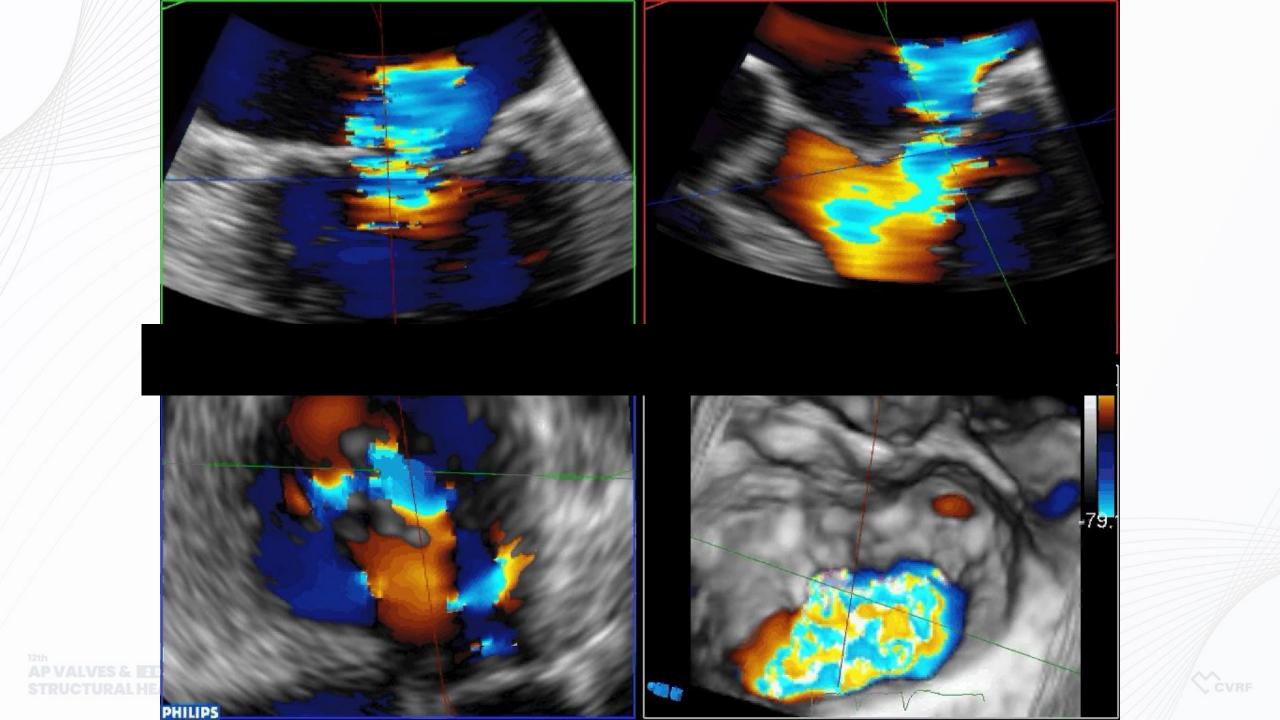
AP VALVES & SH 2023 Taiwan Challenging Case

Shih-Hsien Sung, MD, PhD
National Tang Ming Chiao Tung University;
University Taipei Veterans General Hospital, Taiwan

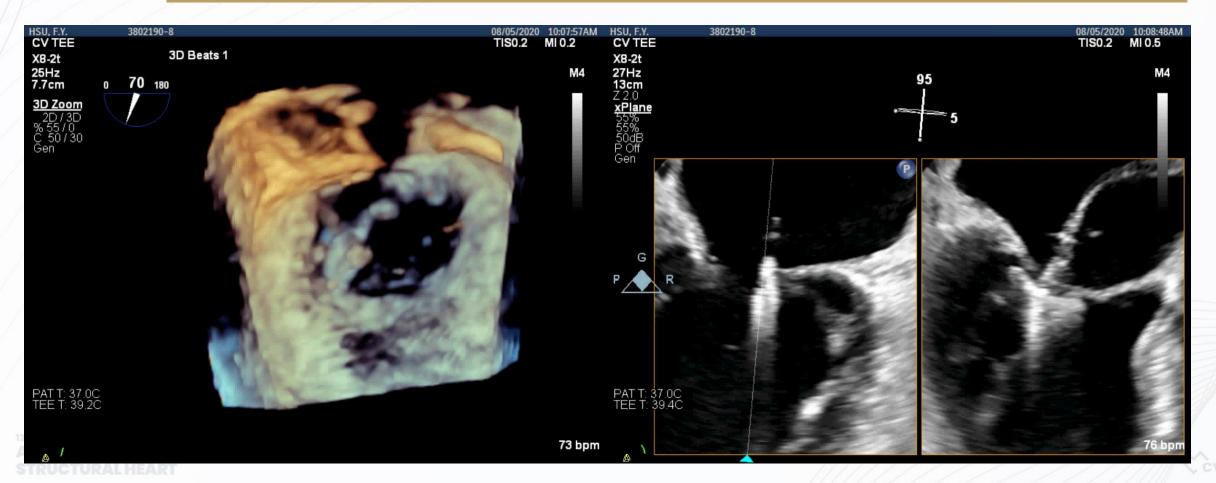
87 y/o lady, presented with repeated HF Hx of Afib, CAD s/p PCI, CKD stage IIIb-IV Severe primary MR (mitral cleft) Severe TR, EF 45%, MPAP 40mmHg

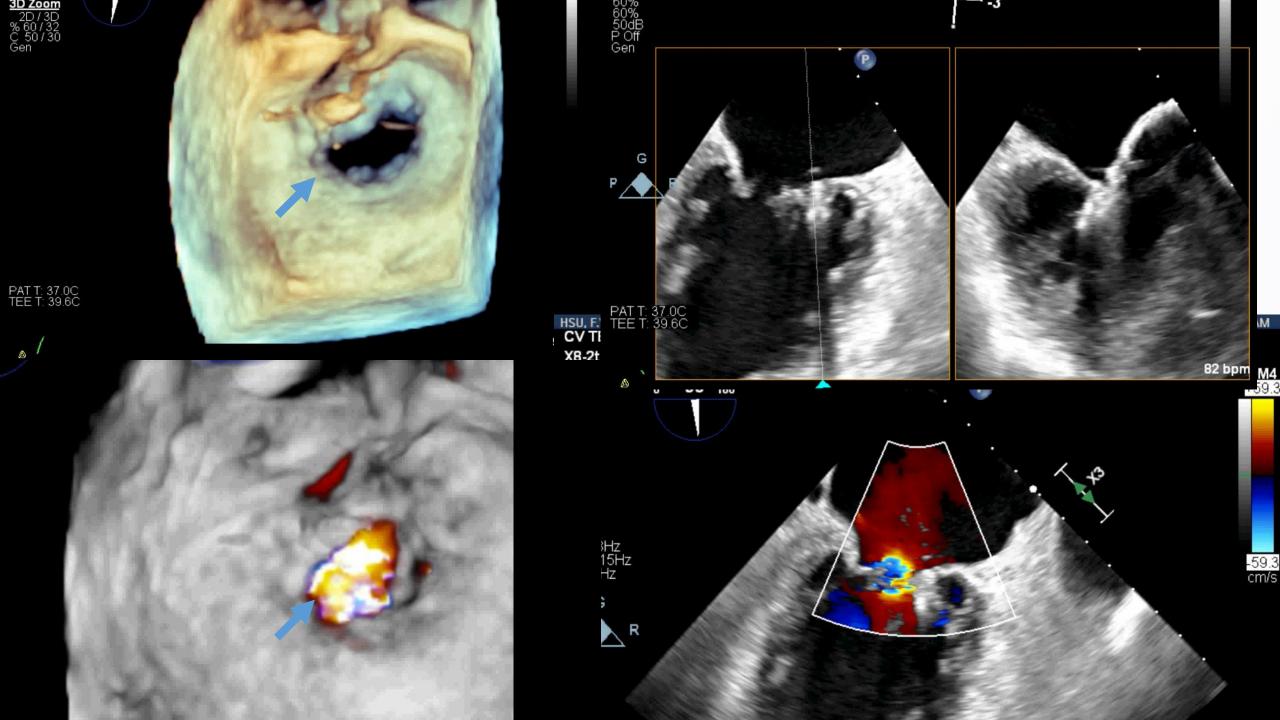




After puncture the LFV, we did DC cardioversion The rhythm was restored to SR.

Then, we start MitraClip procedure (NTR)





3D Beats 1 X8-2t 24Hz 6.3cm 0 65 180 3D Zoom 2D / 3D % 50 / 52 C 50 / 30 Gen PAT T: 37.0C TEE T: 39.5C

Μ4

CVRF

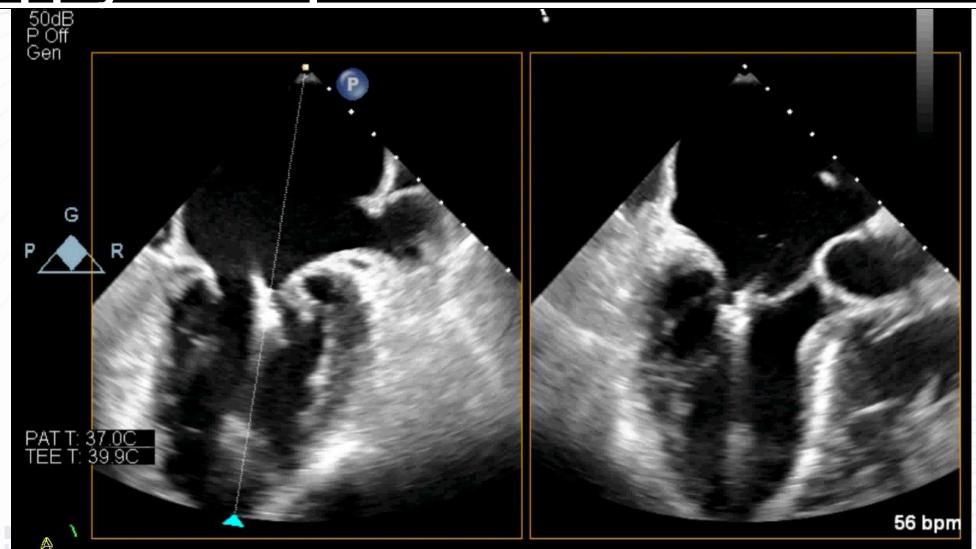
3D Beats 1 X8-2t 24Hz 6.3cm 0 65 180 3D Zoom 2D / 3D % 50 / 52 C 50 / 30 Gen PAT T: 37.0C TEE T: 39.5C

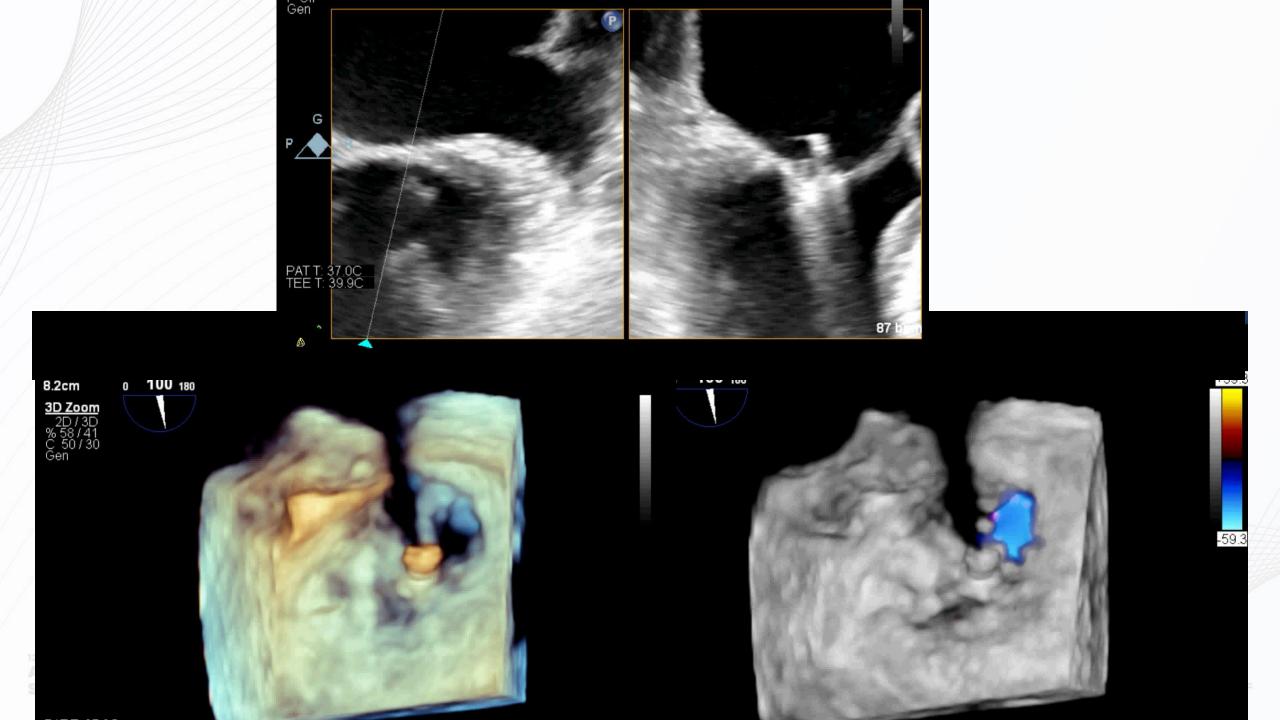
Μ4

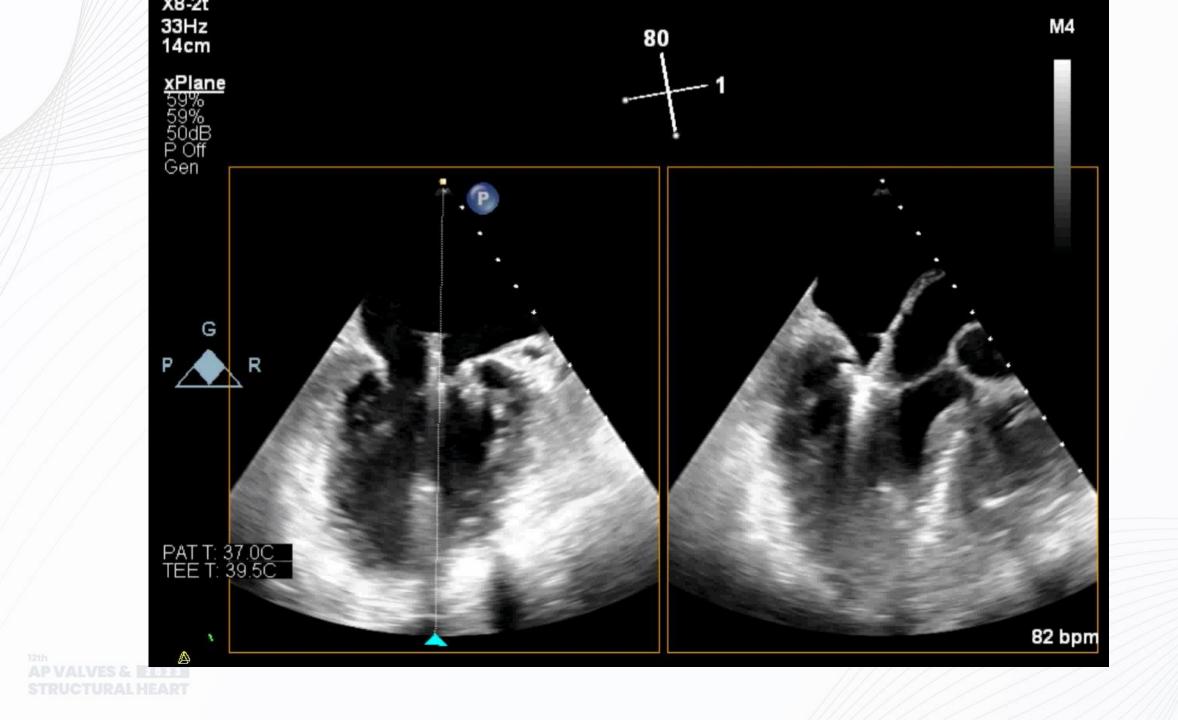
CVRF

X8-2t 27Hz 14cm 70

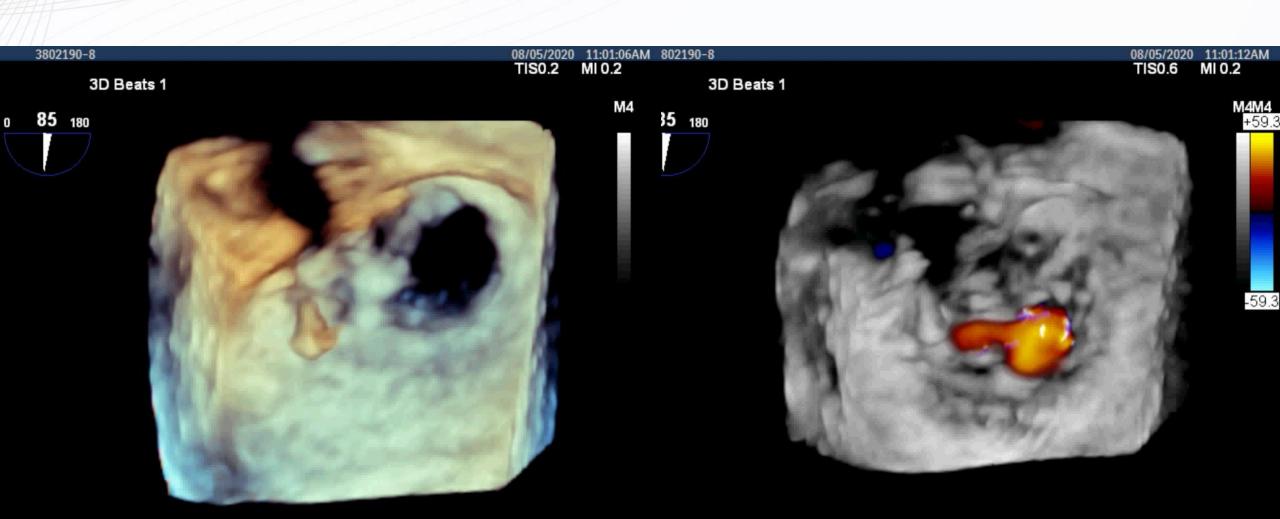
Apply 2nd clip over medial site of the cleft

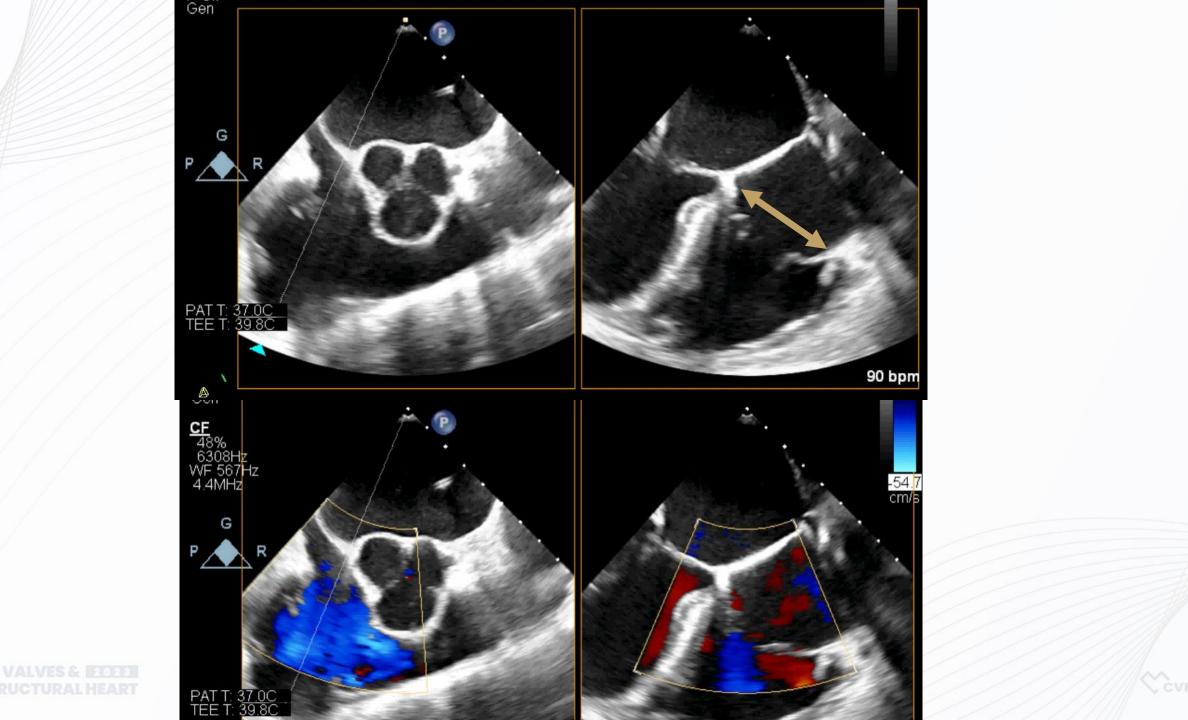






Mild MR was achieved





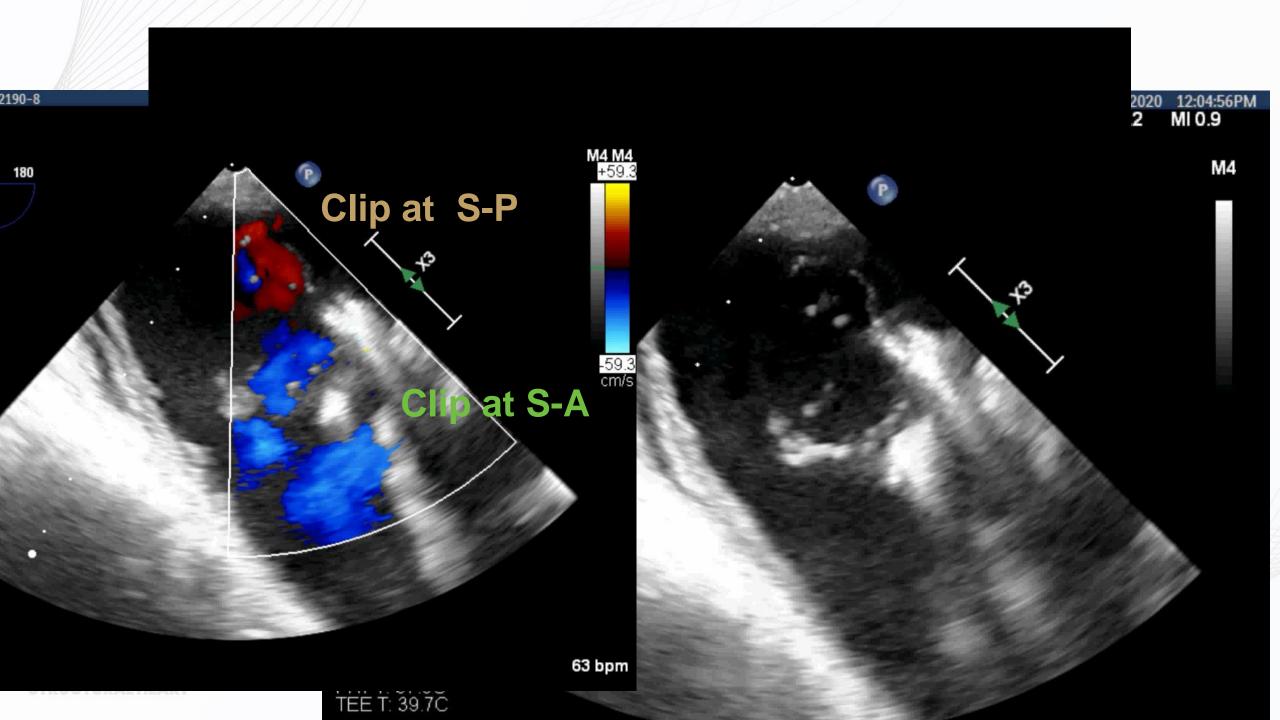
Trans-gastric view of Severe TR TIS0.5 CV TEE **TIS0.2** MI 0.5 X8-2t 53Hz 13cm **M4** 65 180 65 180

TrueVue Technology: Tricuspid Valve

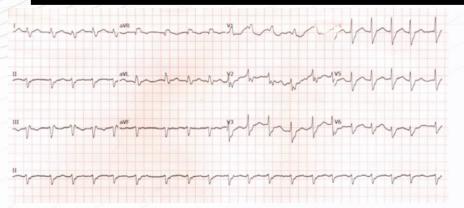
Good for evaluation but can't be used for clip orientation

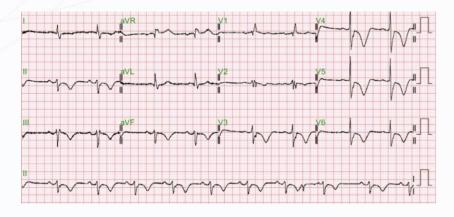
TIS0.2





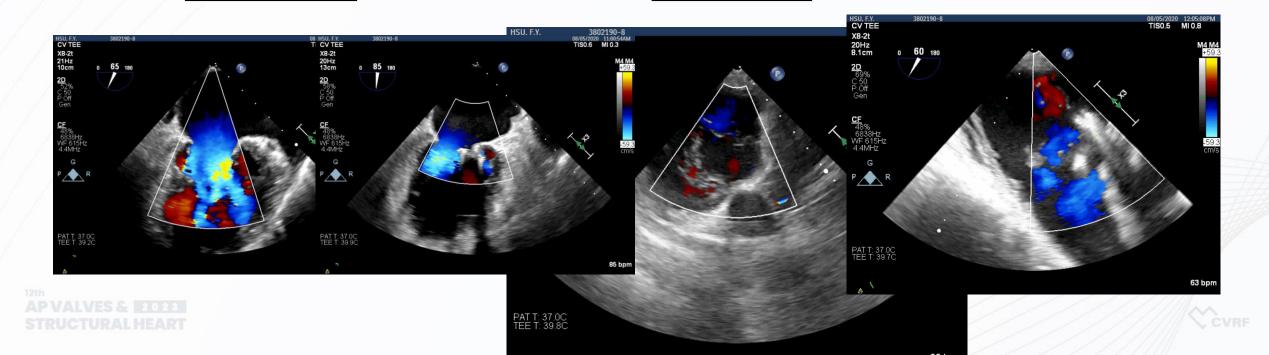
DC cardioversion





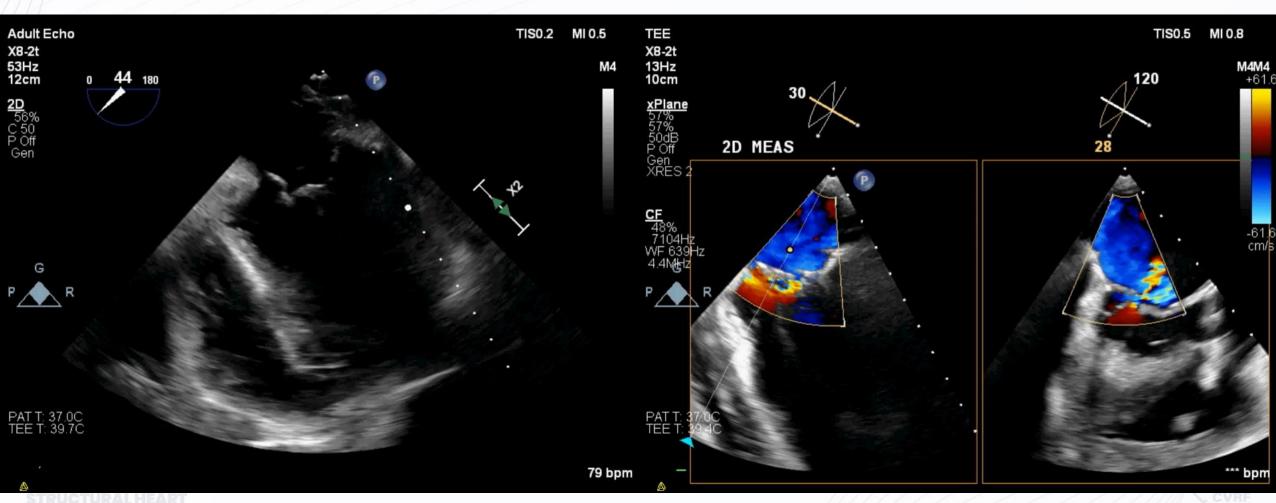
Fix MR

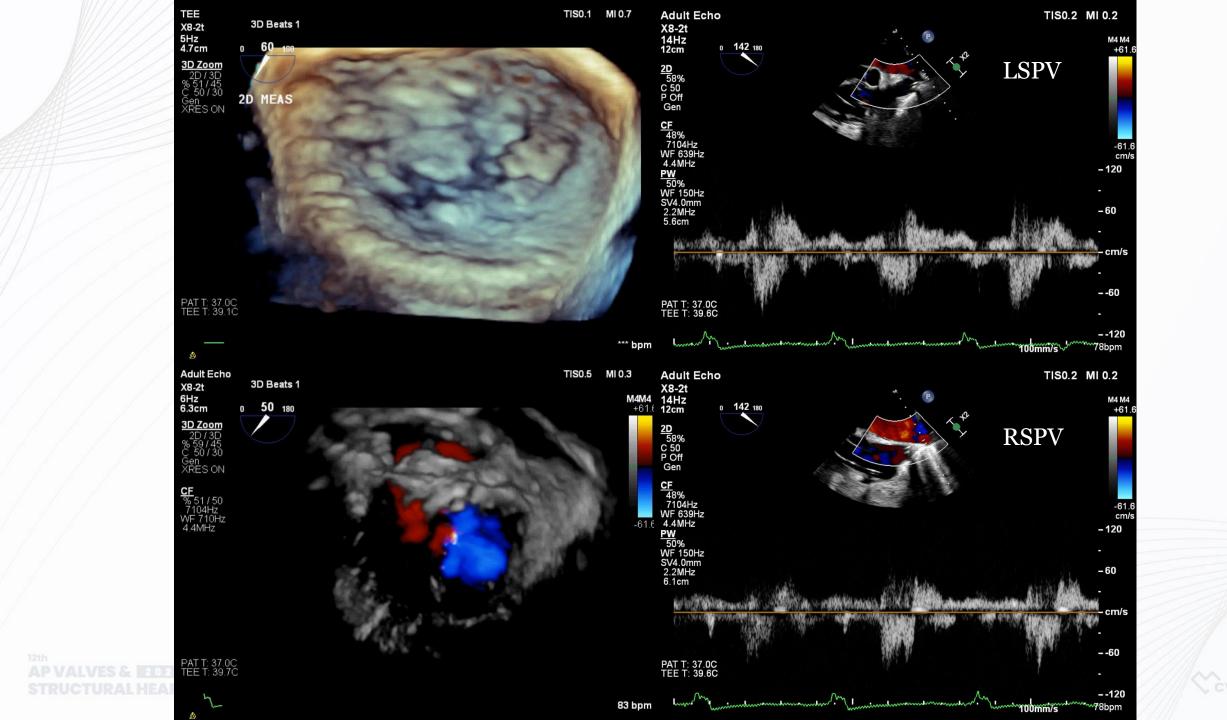
Fix TR



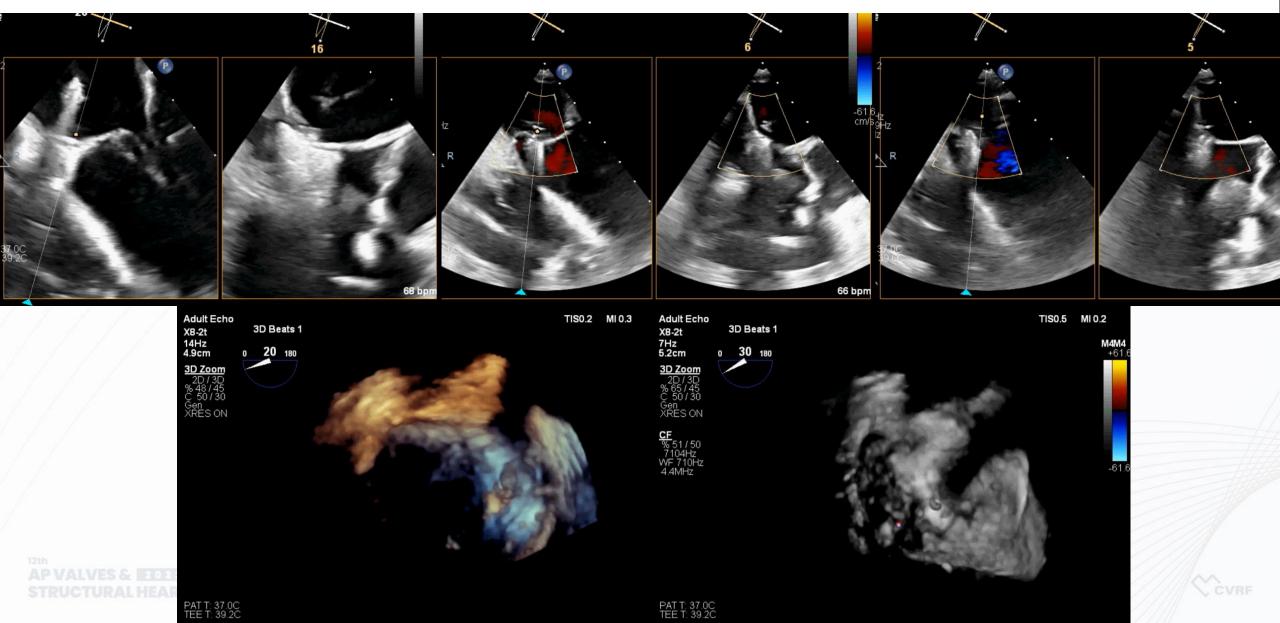
A nightmare case

82 years gentleman, presented with respiratory failure

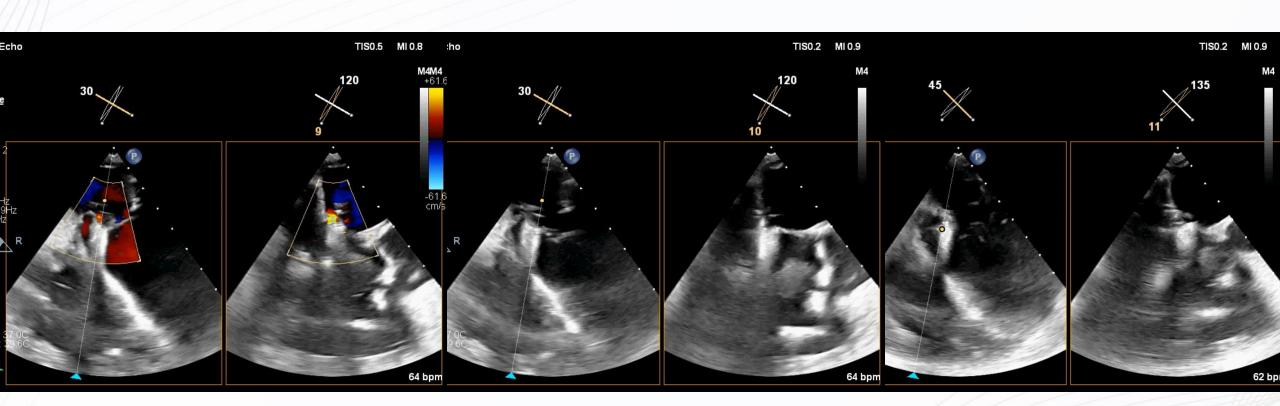




Grasping with NTW



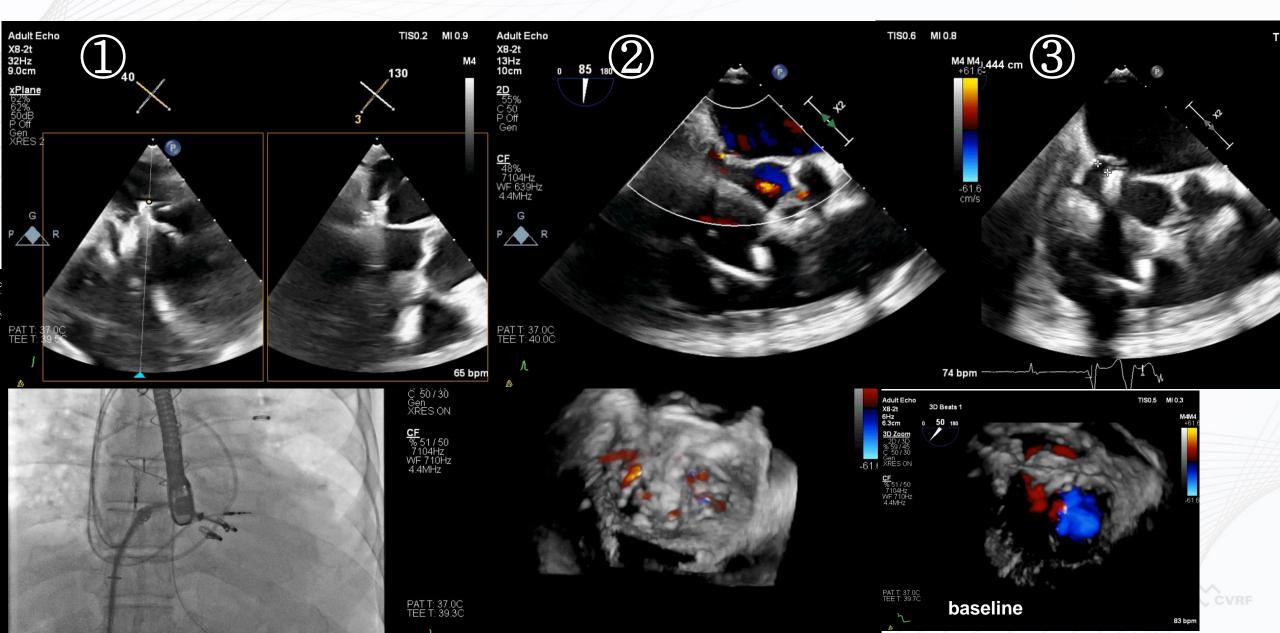
Device malfunction



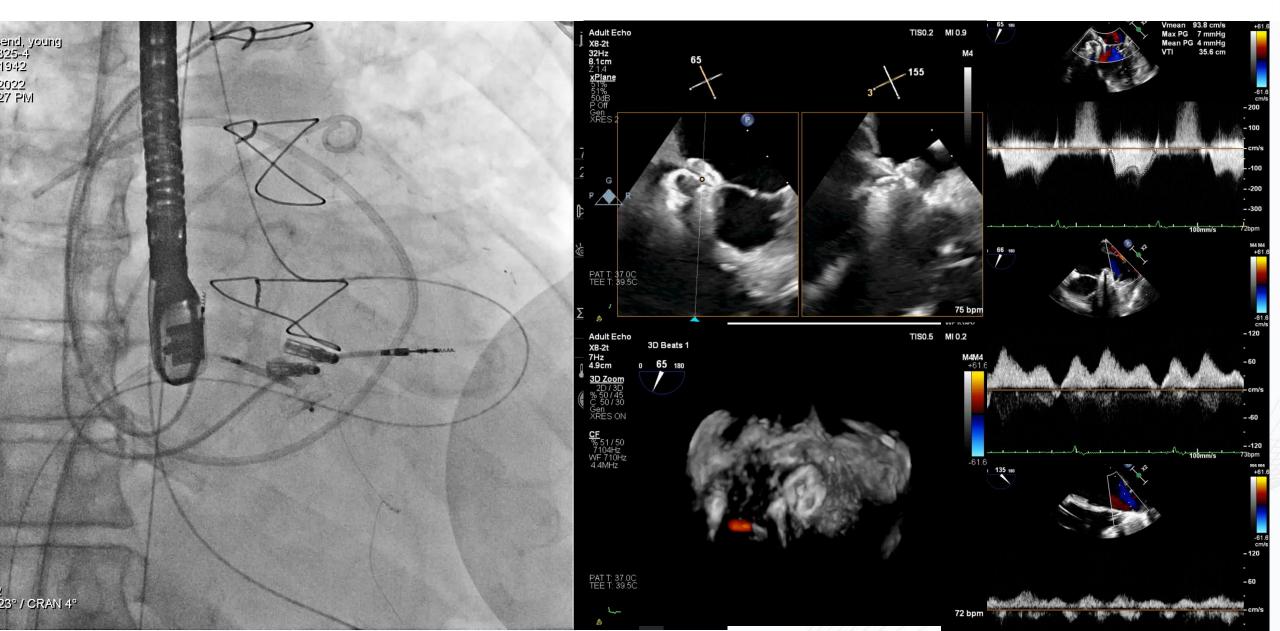




How to rescue?



Final results



Conclusion

- Mitral cleft is not suitable for TEER procedure.
- Vascular plug could be a bailout procedure for failed commissural clipping.