

# Combined AS/MR

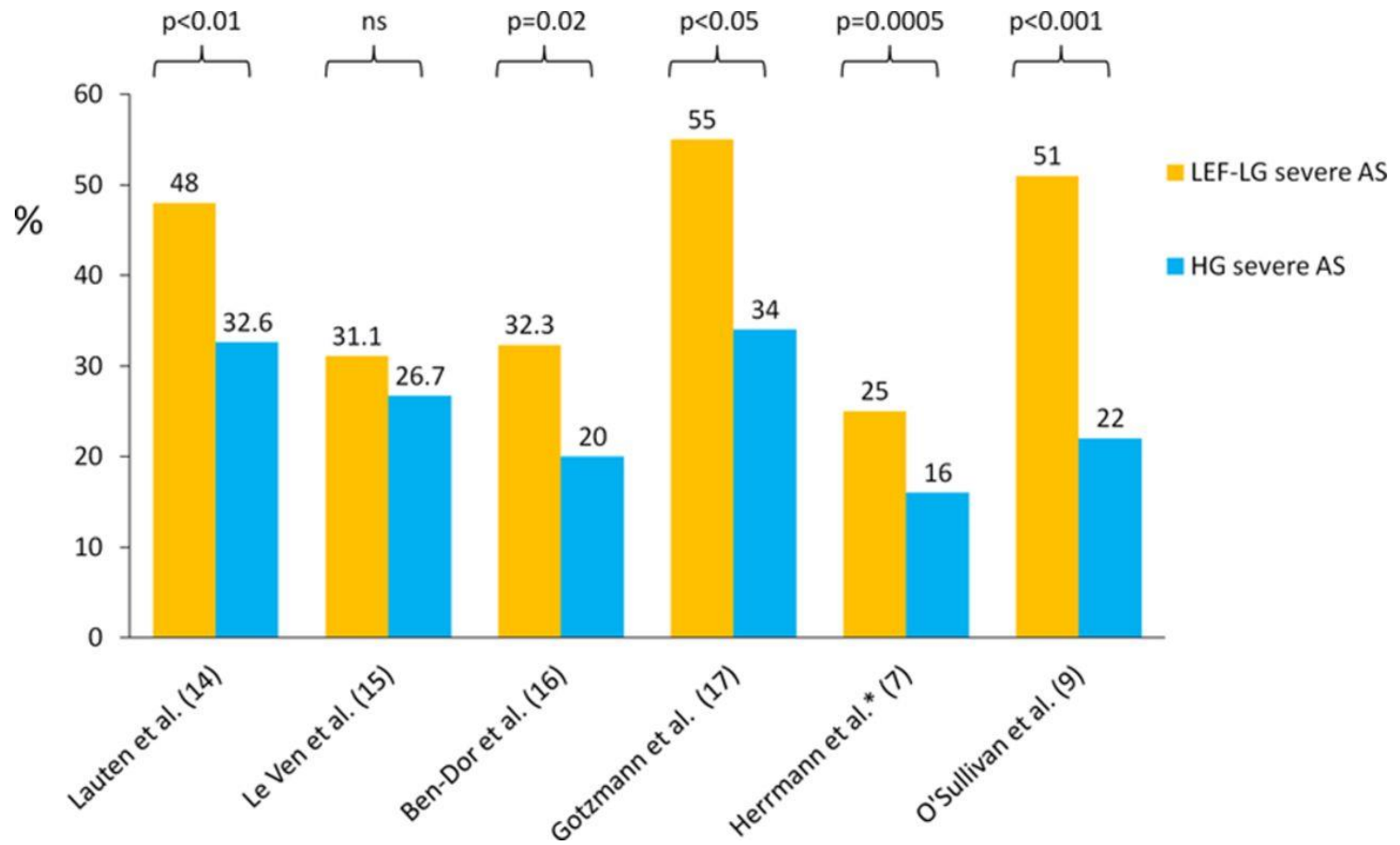
## *Management Without Guidelines*

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**Conflict of Interest:**  
Siemens- Research Support and Speaker Honorarium

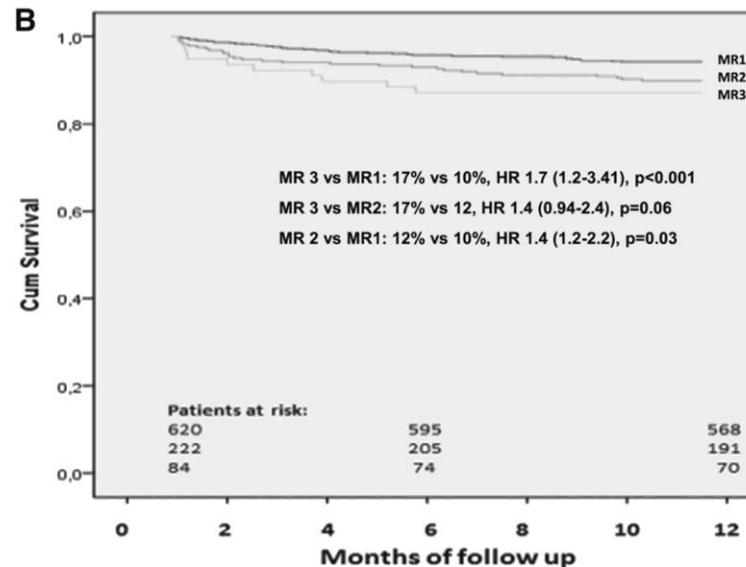
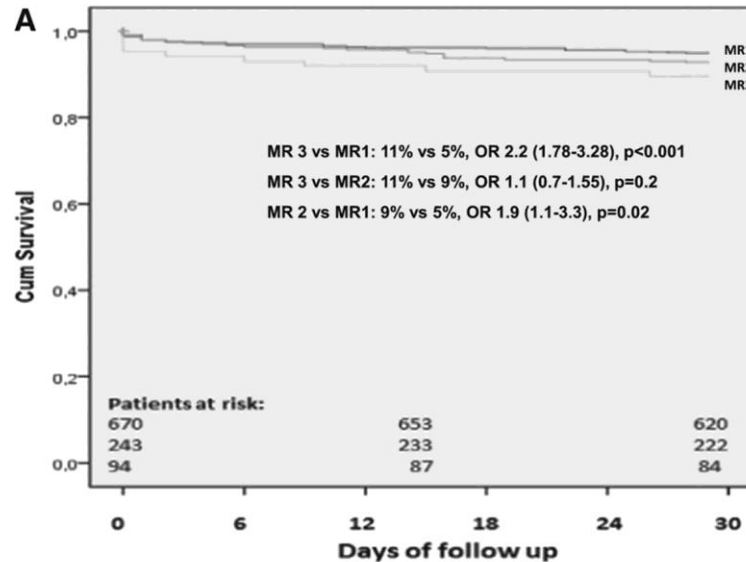
# Combined AS/MR

Prevalance of moderate/severe MR in LG and HG AS



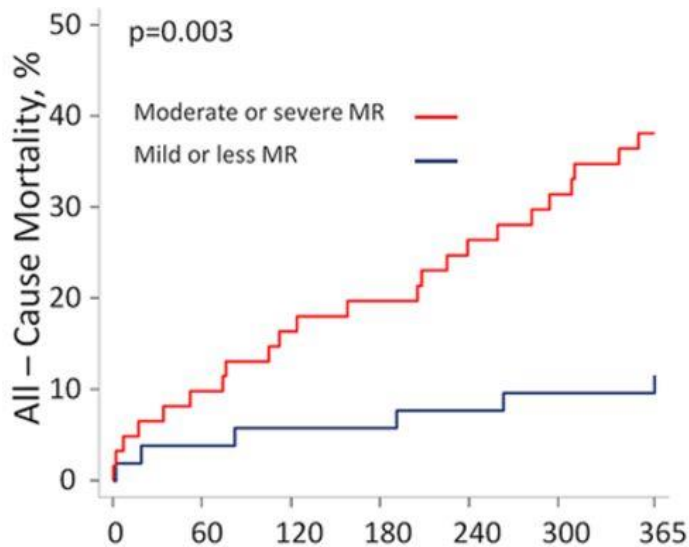
# Combined AS/MR

## TAVR Outcomes and MR – Italian Registry (Corevalve)

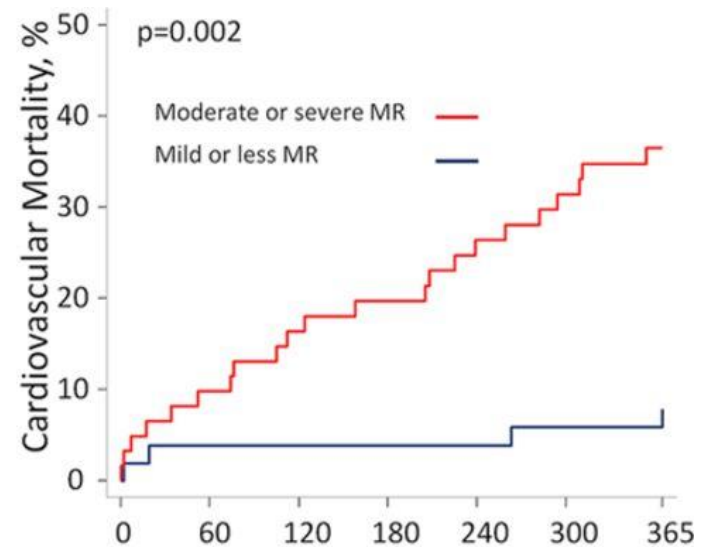


# Combined AS/MR

## TAVR Outcomes and MR – LG LEF



| Number at risk        | Days since TAVI |    |     |     |     |     |     |
|-----------------------|-----------------|----|-----|-----|-----|-----|-----|
|                       | 0               | 60 | 120 | 180 | 240 | 300 | 365 |
| Mild or less MR       | 52              | 50 | 49  | 49  | 48  | 47  | 47  |
| Moderate or severe MR | 61              | 55 | 50  | 48  | 44  | 41  | 37  |



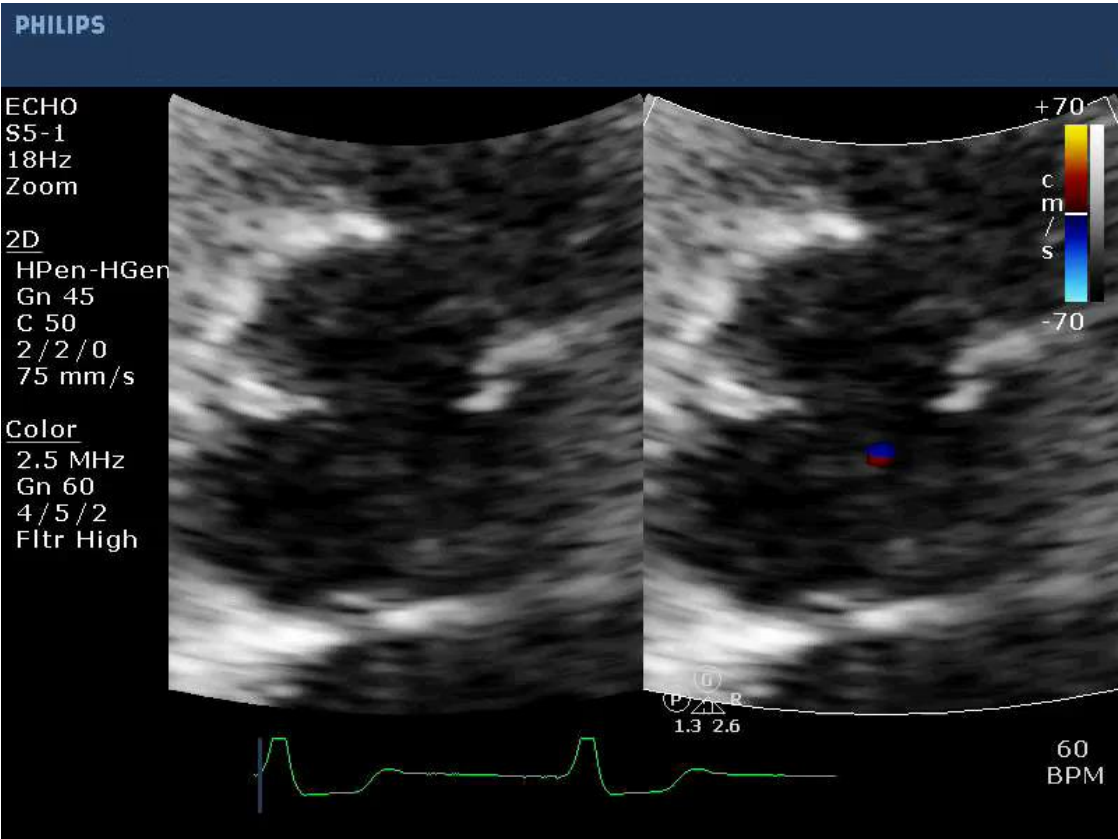
| Number at risk        | Days since TAVI |    |     |     |     |     |     |
|-----------------------|-----------------|----|-----|-----|-----|-----|-----|
|                       | 0               | 60 | 120 | 180 | 240 | 300 | 365 |
| Mild or less MR       | 52              | 50 | 49  | 49  | 48  | 47  | 47  |
| Moderate or severe MR | 61              | 55 | 50  | 48  | 44  | 41  | 37  |

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## TAVR Outcomes and MR

### Factors Associated With Poor Outcome After Transcatheter Aortic Valve Replacement

| Noncardiac    | Cardiac       | Procedural           |
|---------------|---------------|----------------------|
| COPD          | Low EF        | AKI                  |
| CKD           | Pulmonary HTN | AR                   |
| DM            | Severe MR     | Stroke               |
| Prior CVA     | CAD           | Vascular             |
| Liver disease |               | CPS                  |
| Coagulopathy  |               | Valve reintervention |
| High BMI      |               |                      |
| Male sex      |               |                      |
| Frailty       |               |                      |

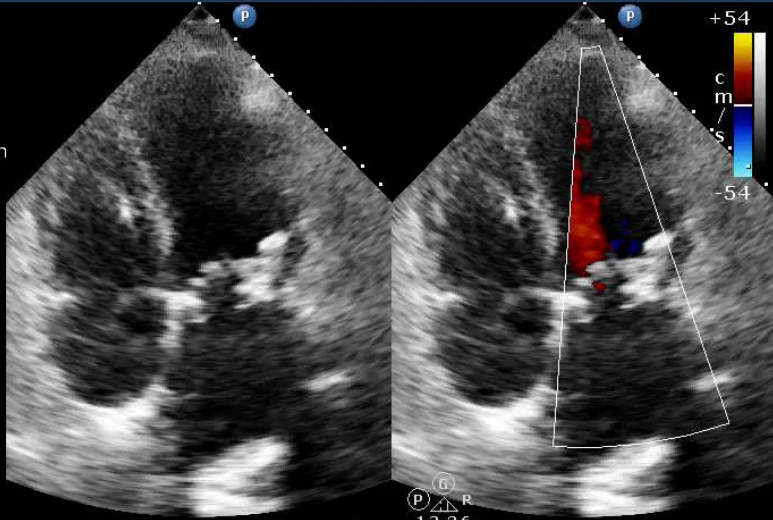


PHILIPS

ECHO  
S5-1  
21Hz  
20cm

2D  
HPen-HGen  
Gn 55  
C 50  
2/2/0  
75 mm/s

Color  
2.5 MHz  
Gn 60  
4/5/2  
Filtr High



G  
P R  
1.3 2.6

60  
BPM

PHILIPS

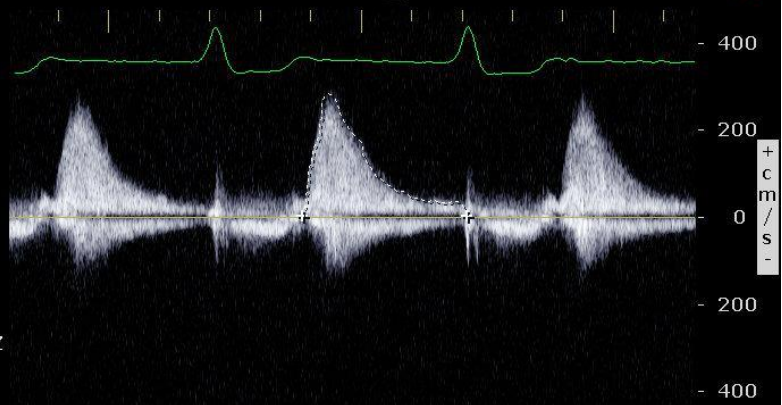
ECHO  
S5-1  
20cm

2D  
HPen-HGen  
Gn 55  
C 50  
2/2/0

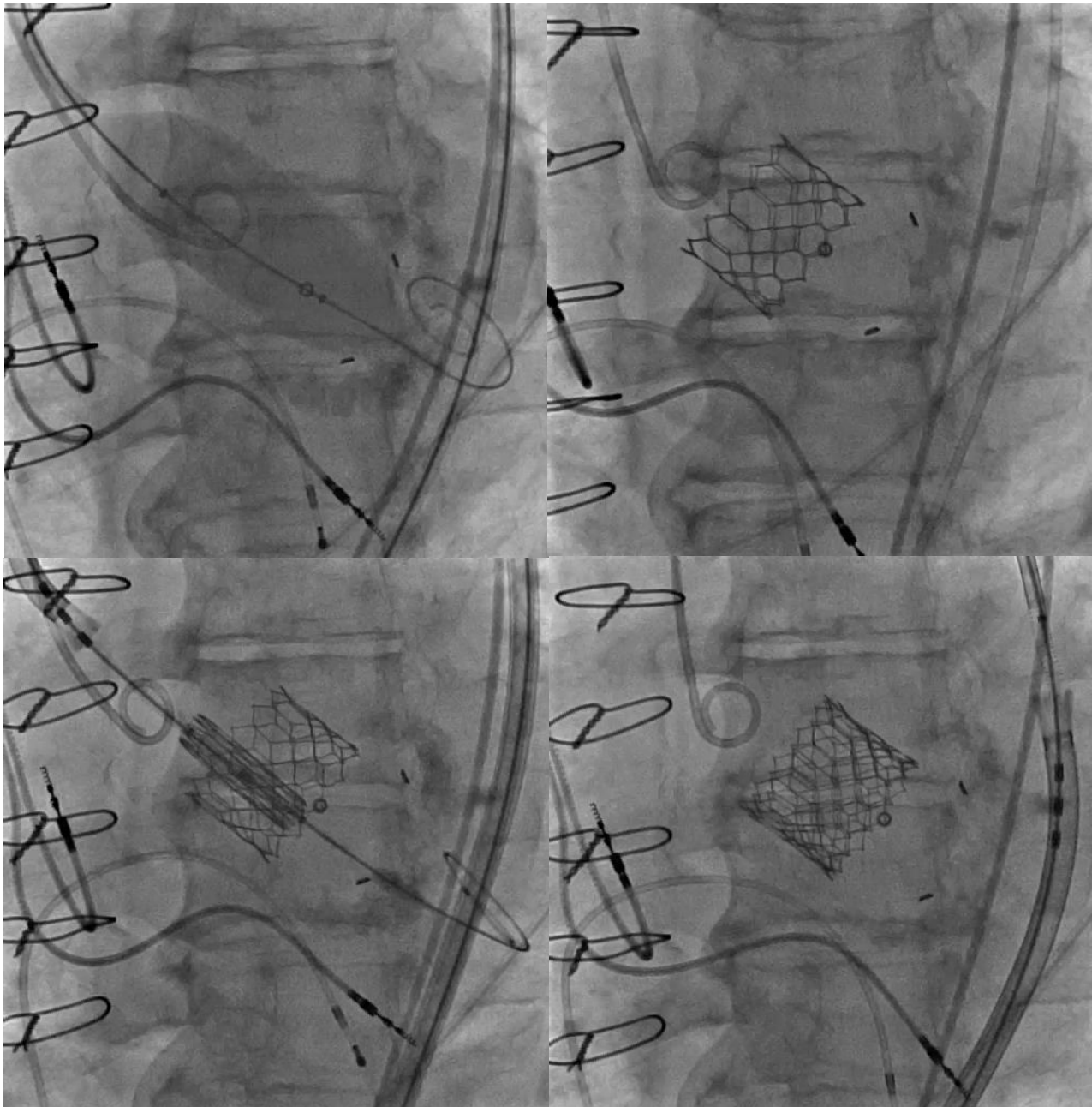
Color  
2.5 MHz  
Gn 60  
4/5/2  
Filtr High

CW  
1.7 MHz  
Gn 56  
9.5 cm  
Angle 0°  
Filtr 400HZ  
75 mm/s

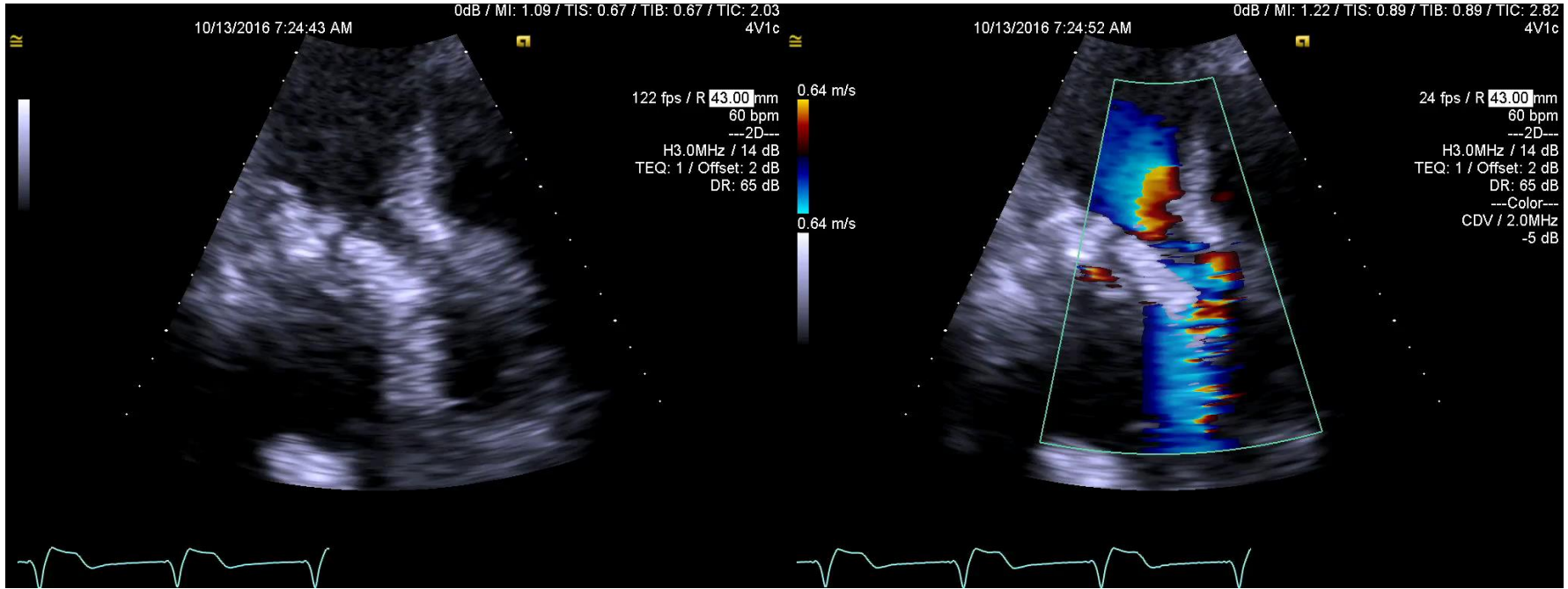
|            |           |
|------------|-----------|
| + MV VTI   | 71.4 cm   |
| MV Vmax    | 285 cm/s  |
| MV Max PG  | 32.5 mmHg |
| MV Vmean   | 109 cm/s  |
| MV Mean PG | 7.57 mmHg |



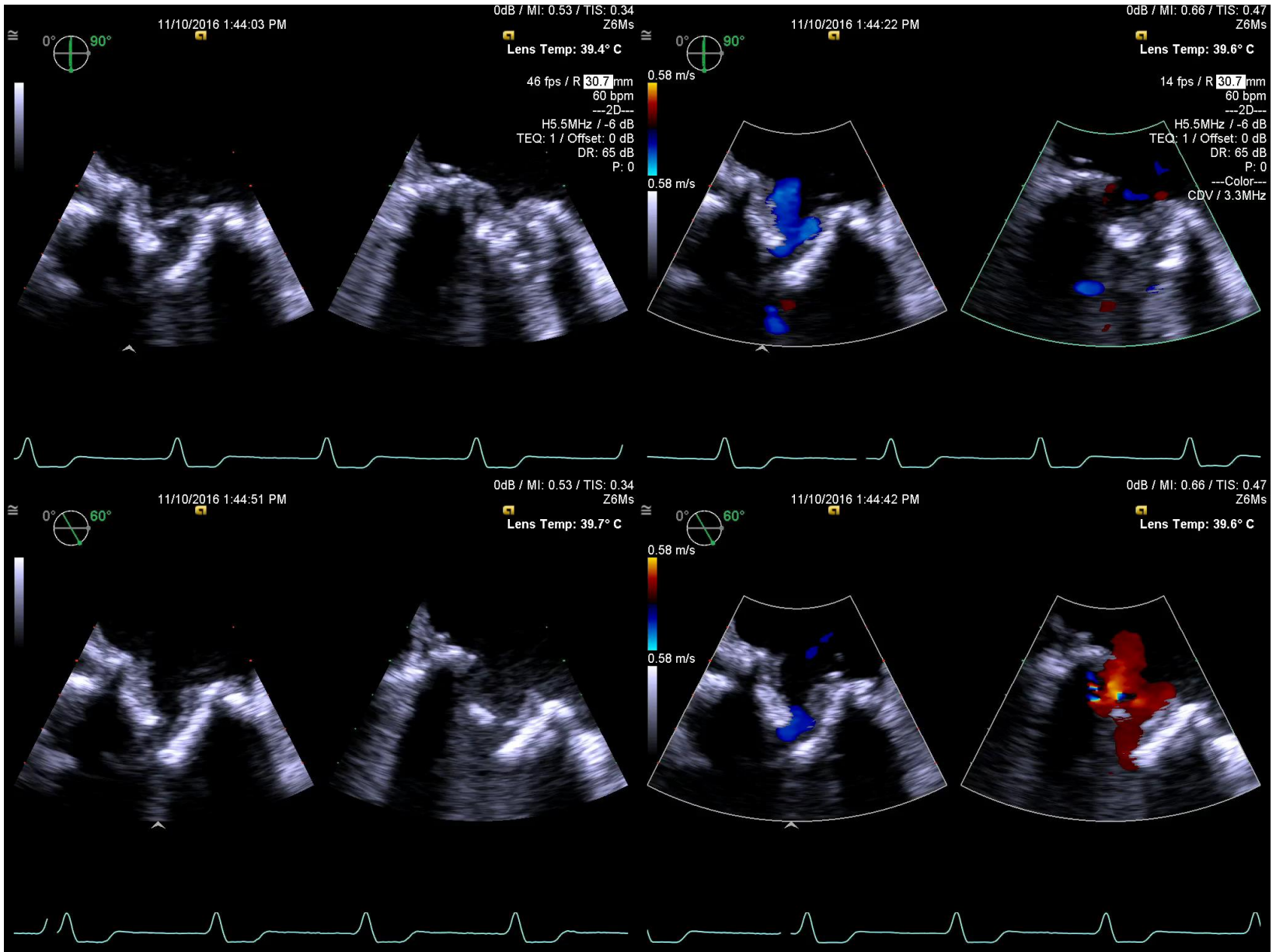


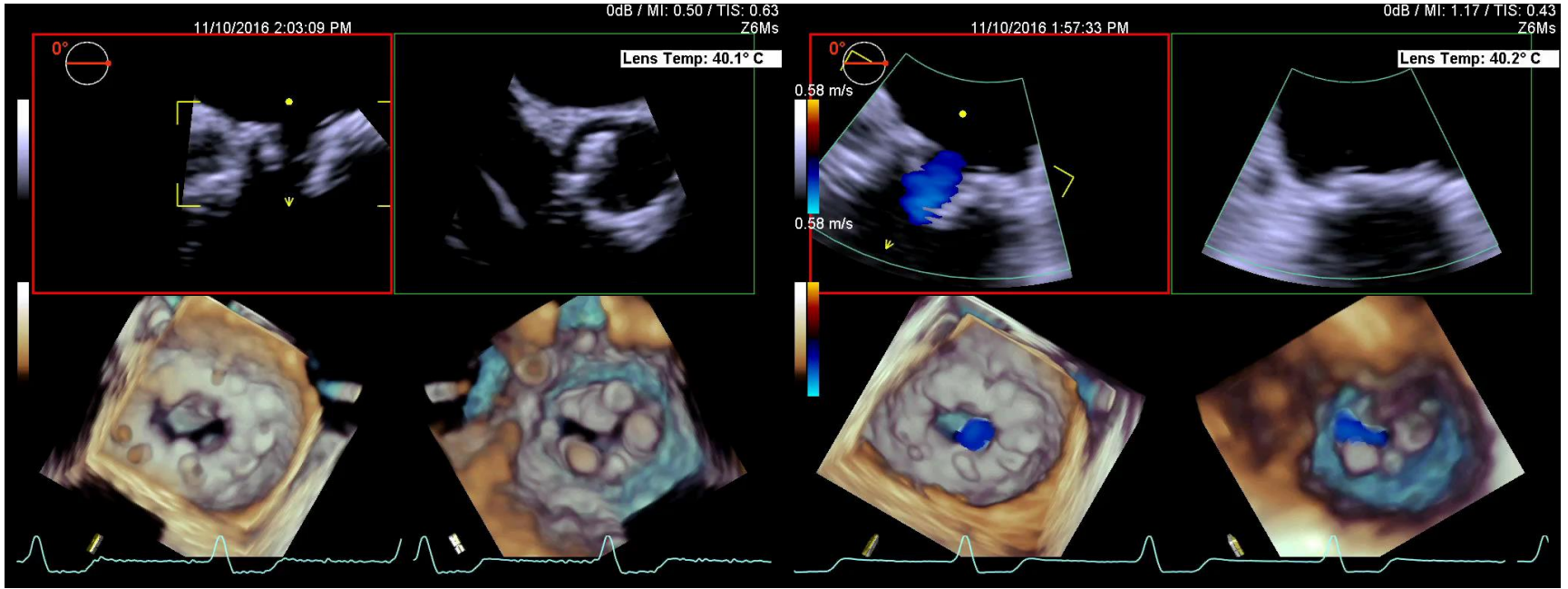


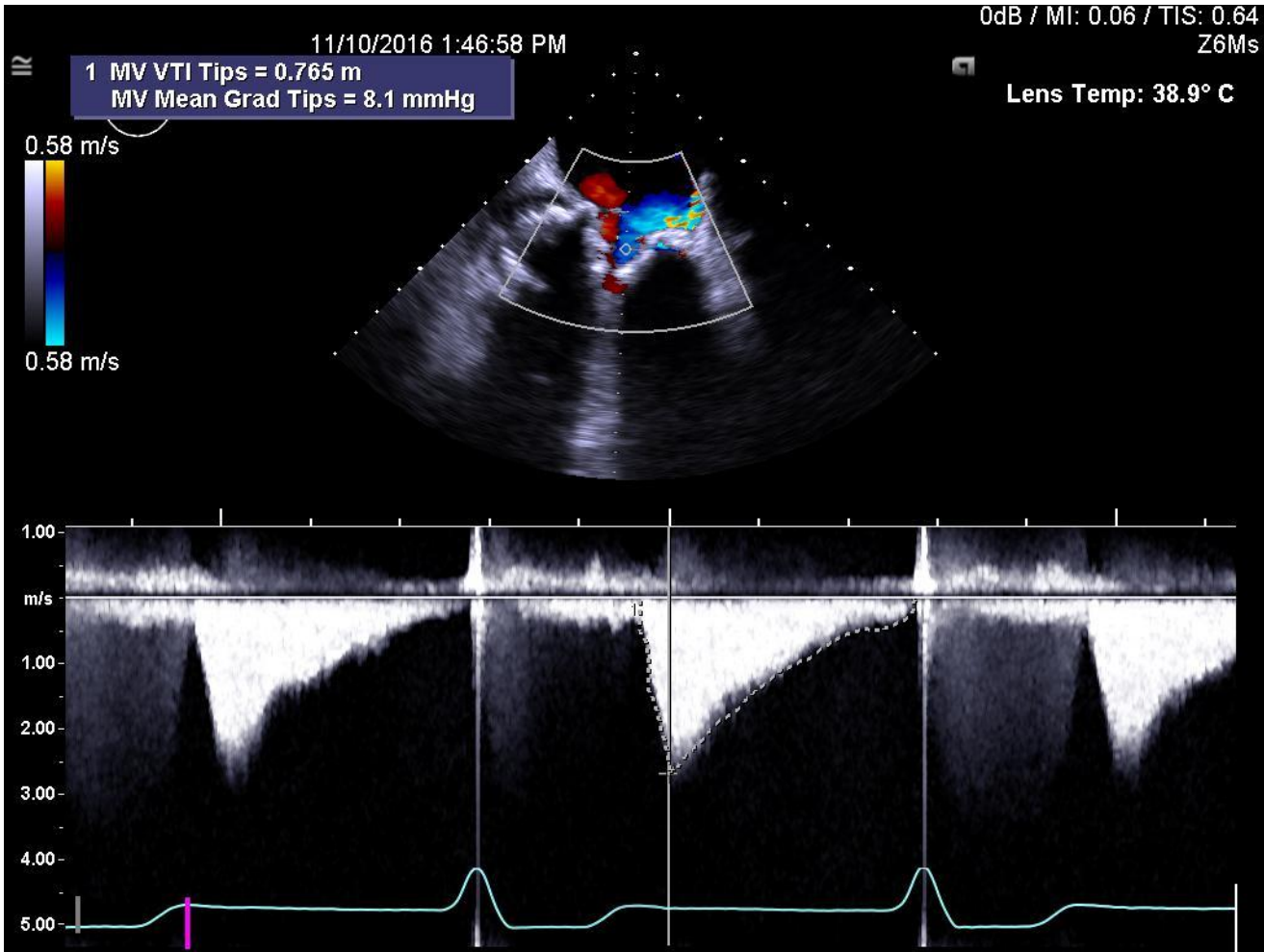




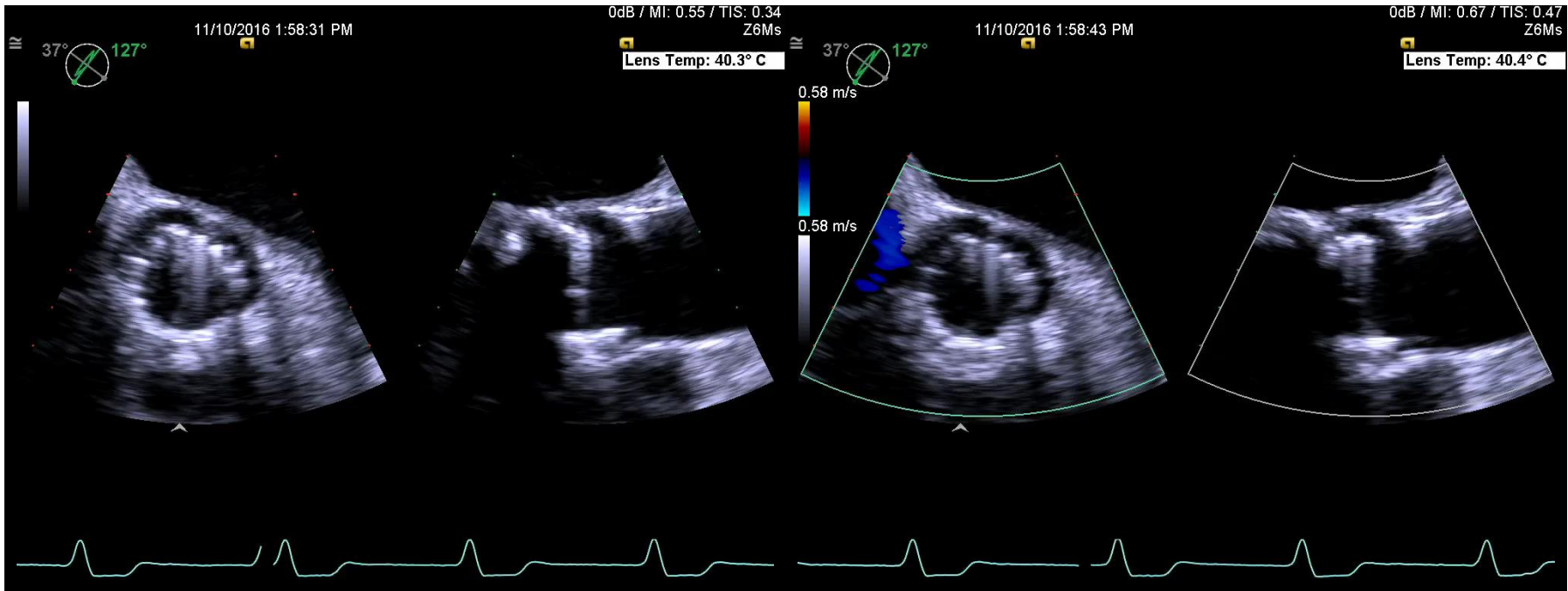










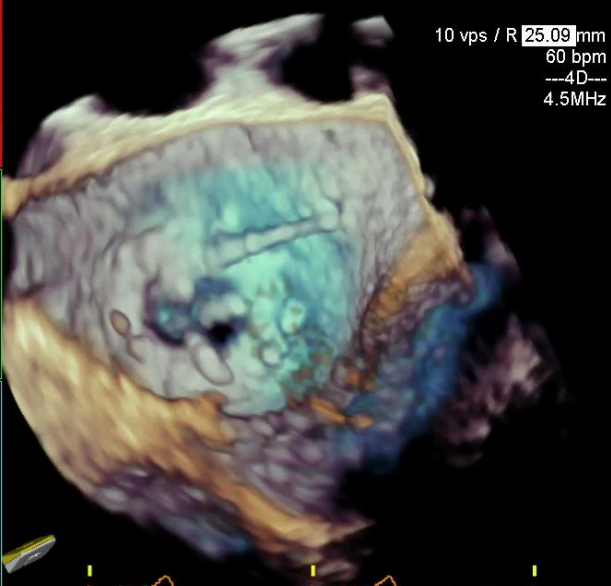
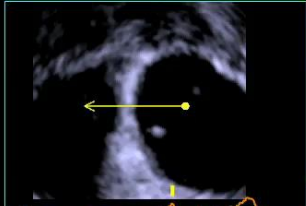
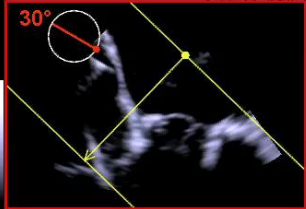


12/28/2016 10:05:21 AM

0dB / MI: 0.63 / TIS: 0.51  
Z6Ms

Lens Temp: 39.6° C

10 vps / R 25.09 mm  
60 bpm  
--4D--  
4.5MHz

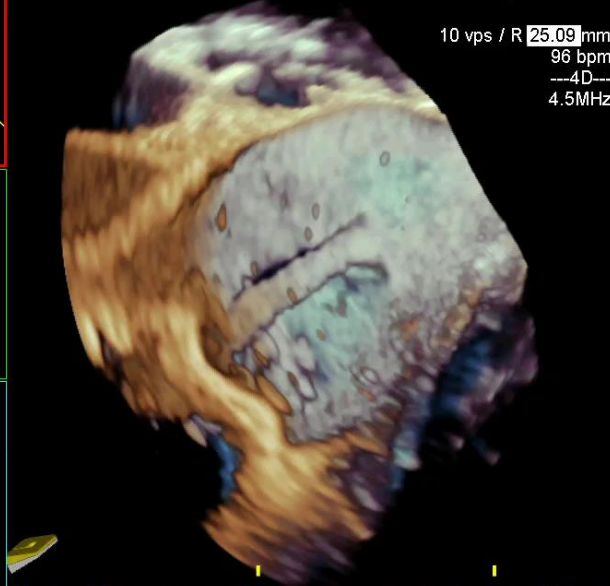
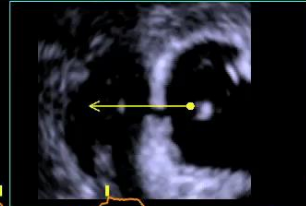
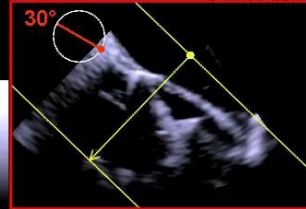


12/28/2016 10:08:43 AM

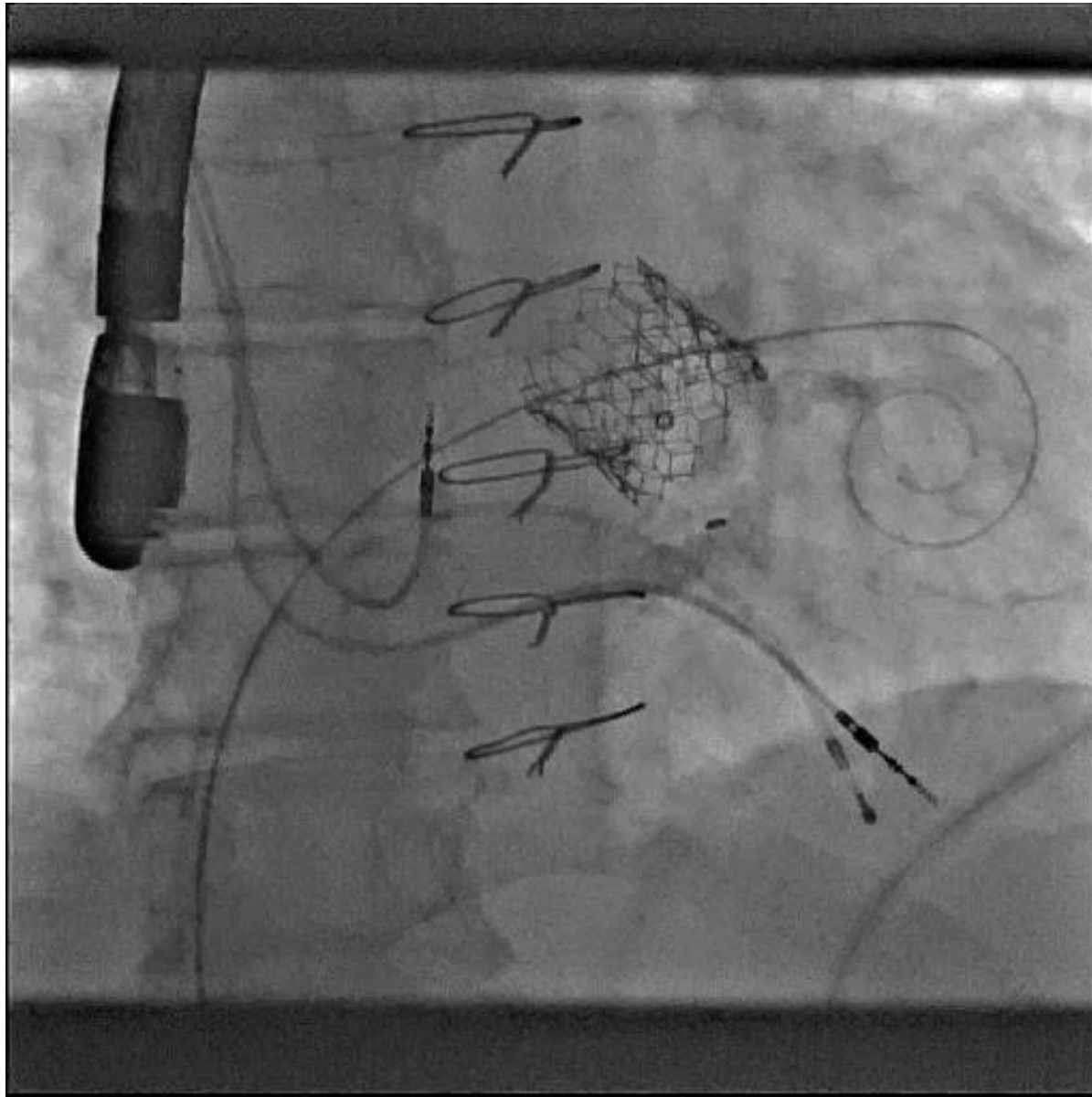
0dB / MI: 0.63 / TIS: 0.51  
Z6Ms

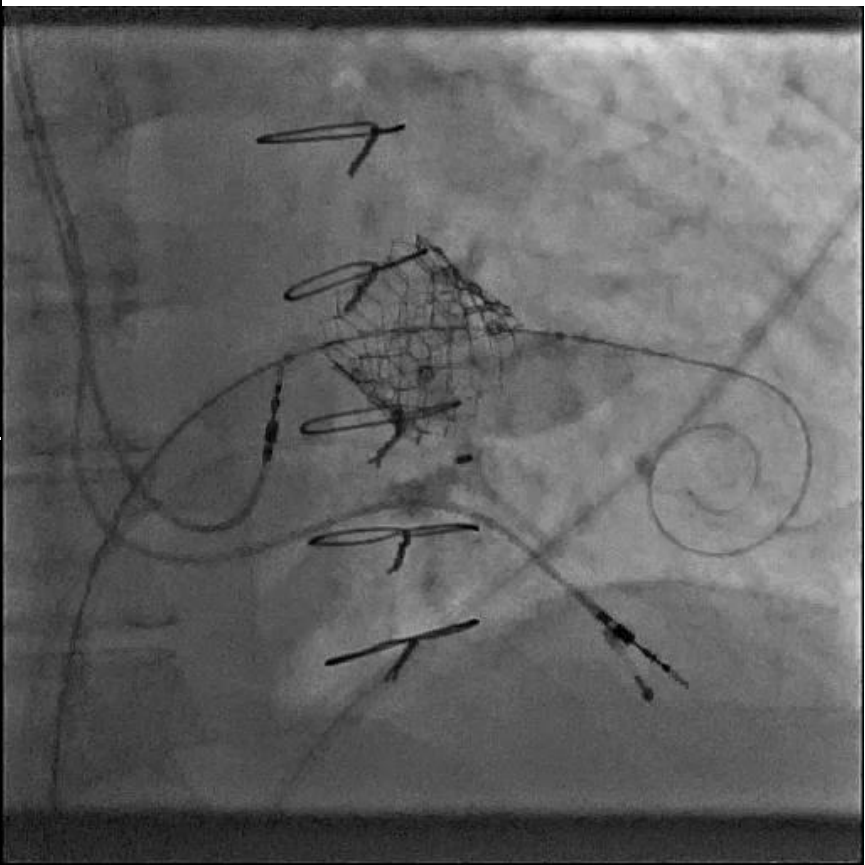
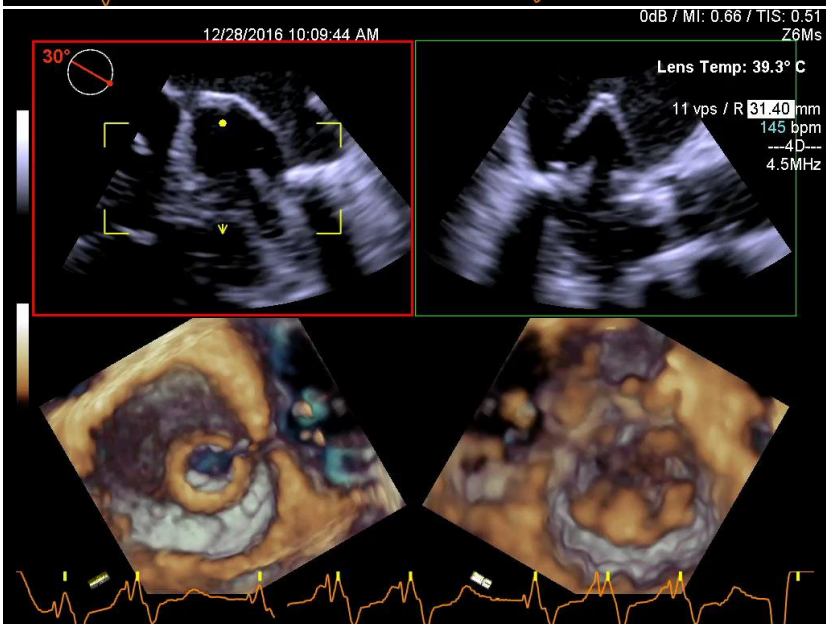
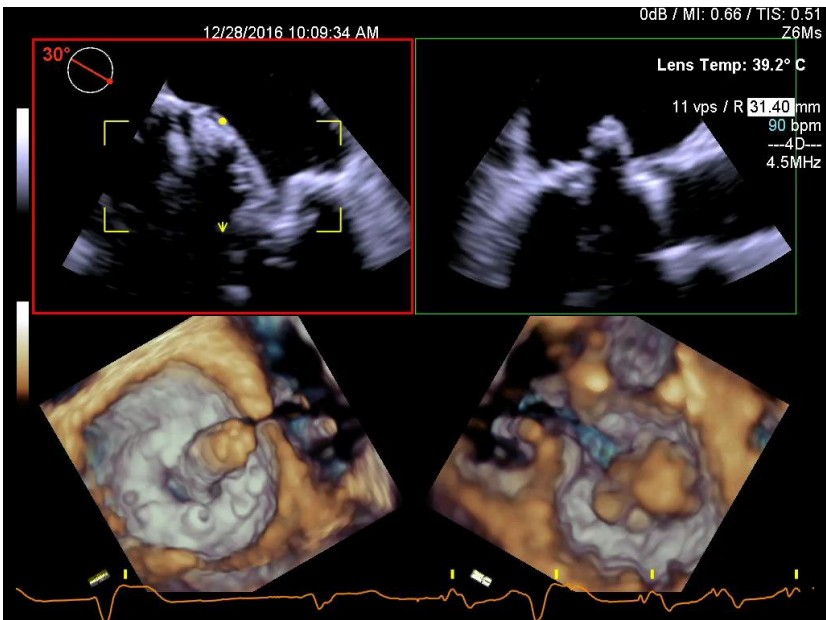
Lens Temp: 38.3° C

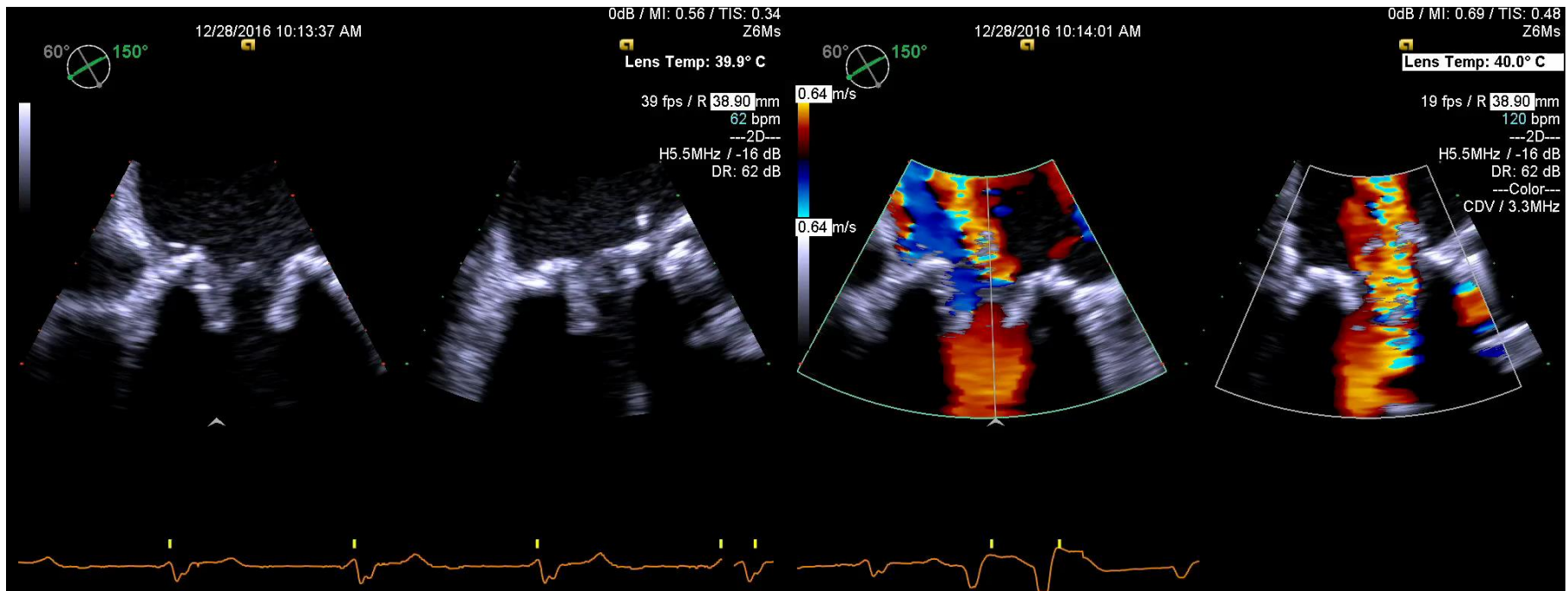
10 vps / R 25.09 mm  
96 bpm  
--4D--  
4.5MHz

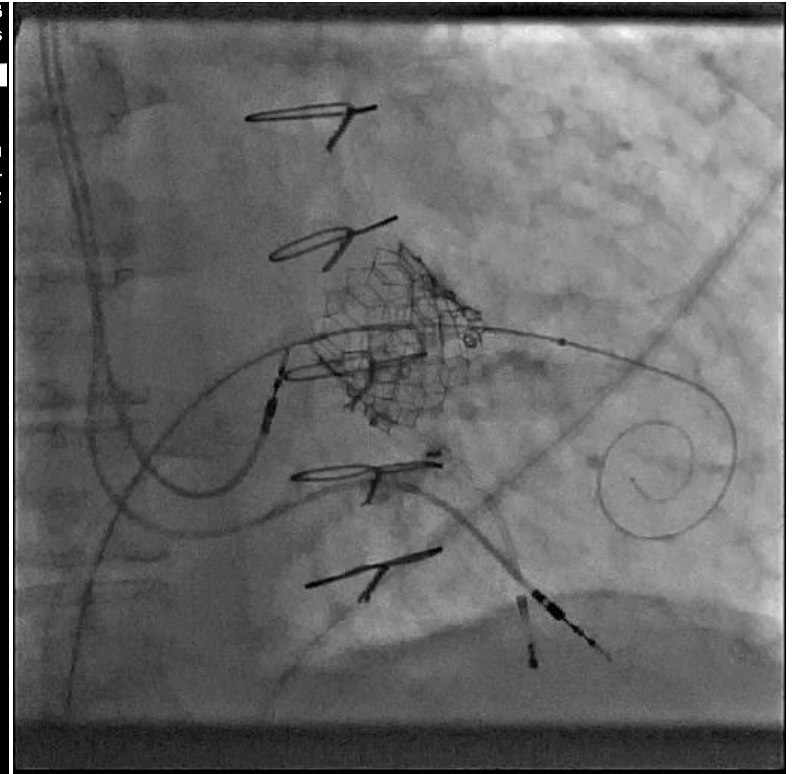
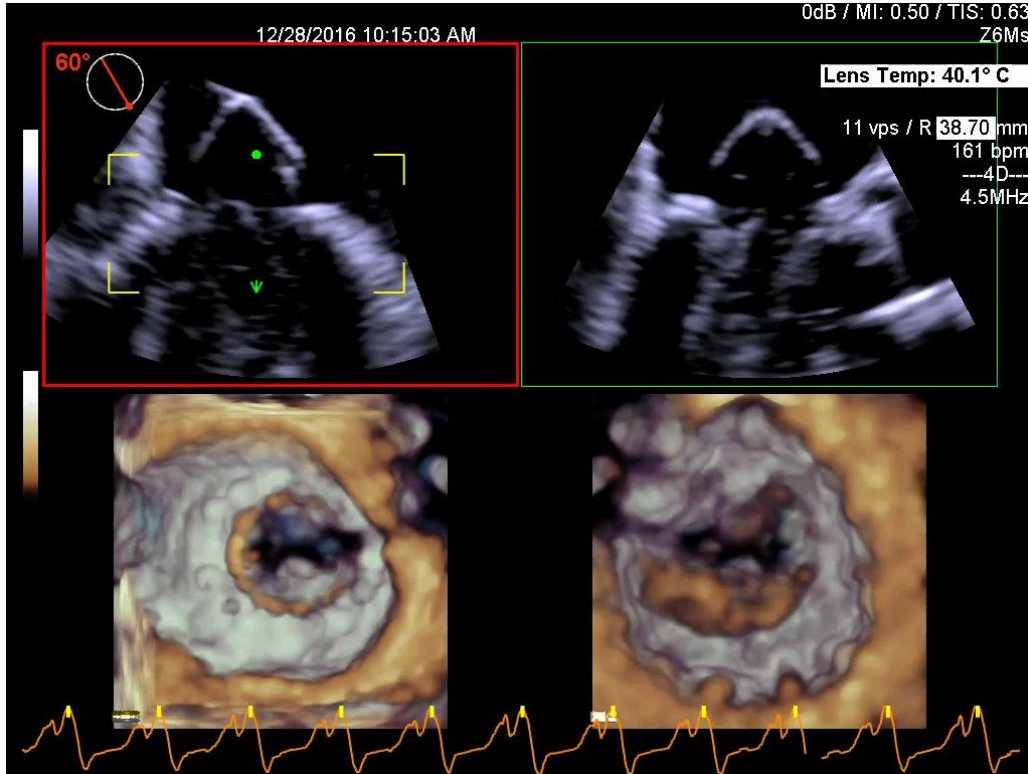




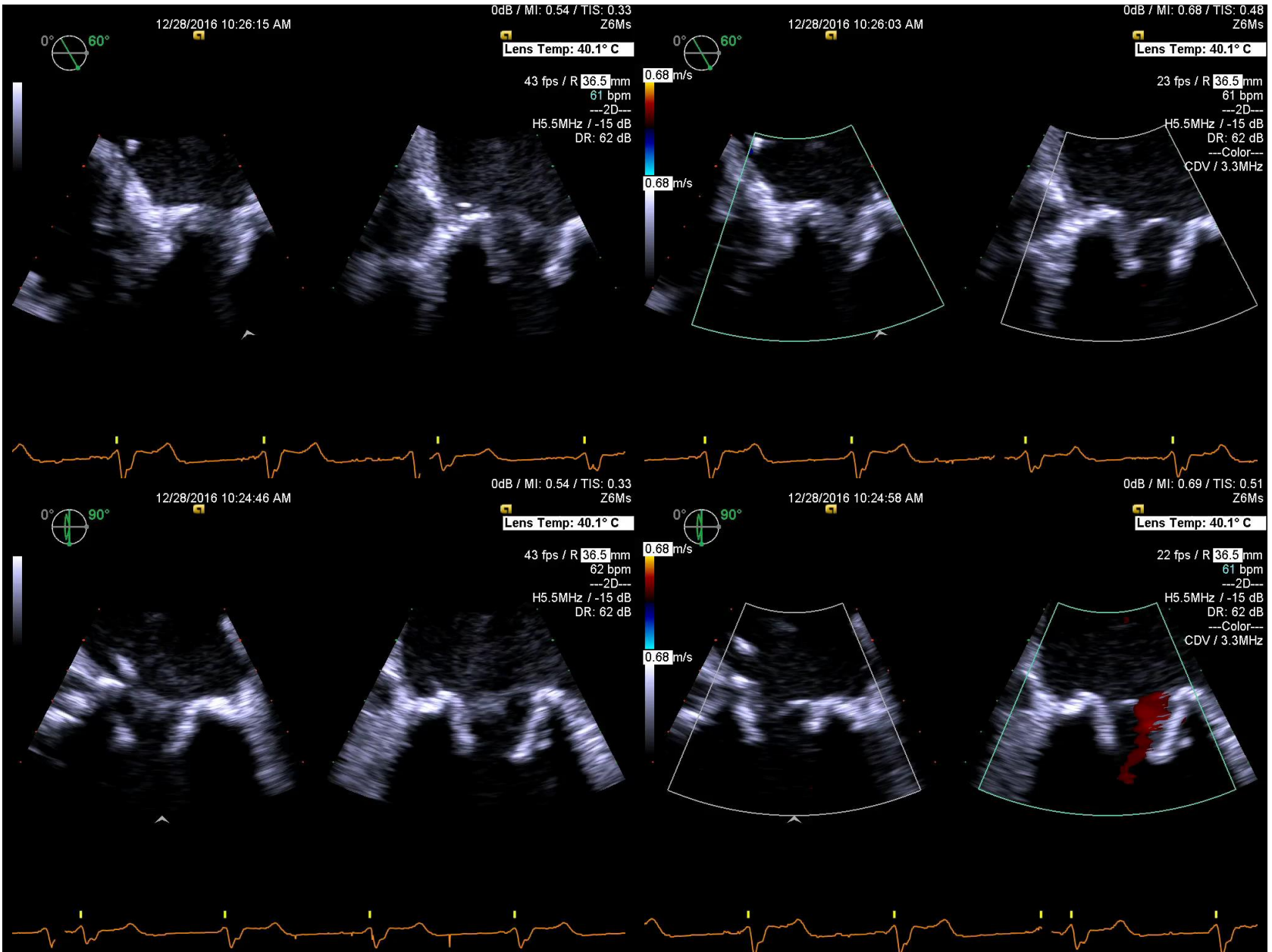






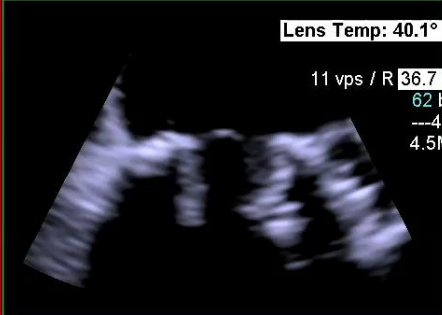
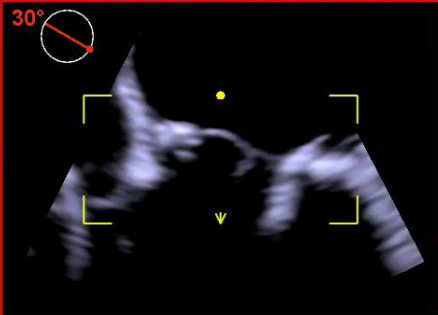






12/28/2016 10:29:29 AM

0dB / MI: 0.49 / TIS: 0.63  
Z6Ms

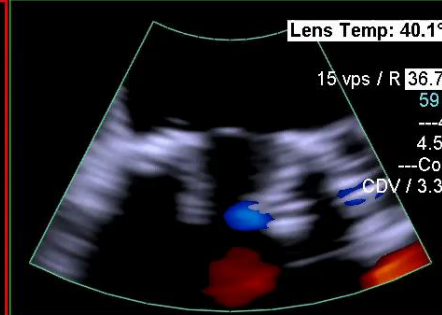
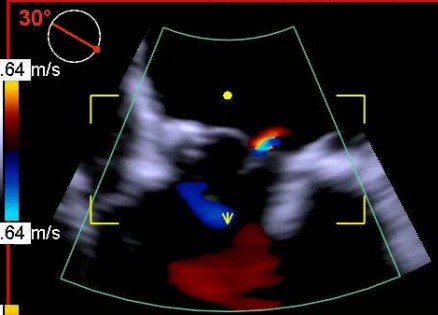


Lens Temp: 40.1° C

11 vps / R 36.7 mm  
62 bpm  
---4D---  
4.5MHz

12/28/2016 10:29:41 AM

0dB / MI: 1.12 / TIS: 0.39  
Z6Ms



Lens Temp: 40.1° C

15 vps / R 36.7 mm  
59 bpm  
---4D---  
4.5MHz  
---Color---  
CDV / 3.3MHz

