





DISCLOSURES

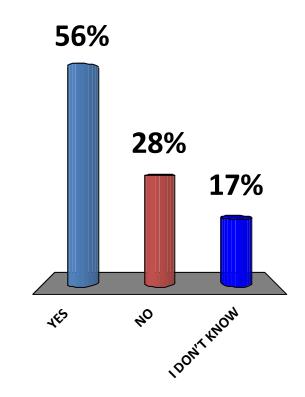
TOSHIBA MEDICAL SYSTEMS Consultant (spouse)

Audience Response System: How many have the capability to do 3DRA?

A. YES

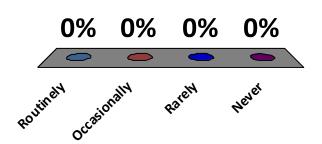
B. NO

C. I DON'T KNOW

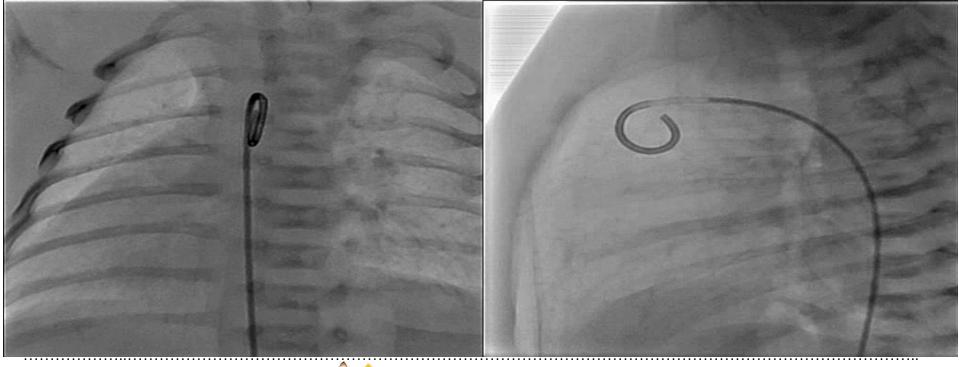


Audience Response System: How often do you use 3DRA?

- A. Routinely
- B. Occasionally
- C. Rarely
- D. Never



2.8 Kg JHW baby with heterotaxy syndrome: dextrocardia, PA with non-confluent PAs with bilateral PDAs, unbalanced CAVSD, bilateral SVCs, & TAPVR to RSVC



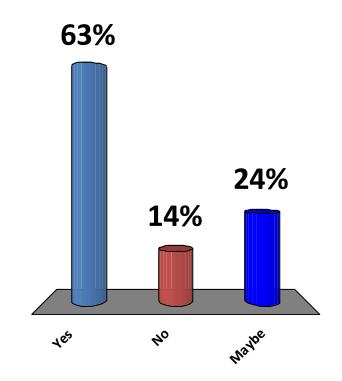


Audience Response Question Would you do a 3DRA?

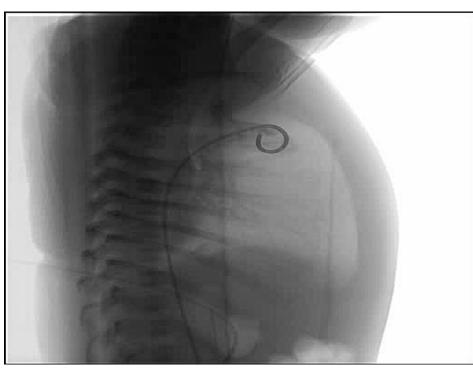
A. Yes

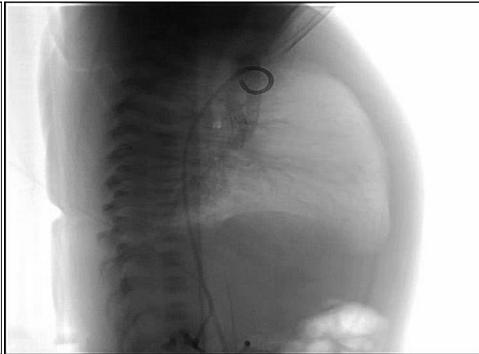
B. No

C. Maybe



3D ROTATIONAL ANGIOGRAPHY





3DRA Reconstruction

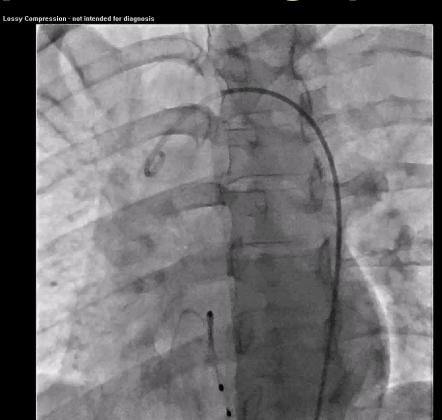


S/P BILATERAL PDA STENTS 3DRA WITH RECONSTRUCTION





28 y.o. s/p Balloon Angioplasty for CoA

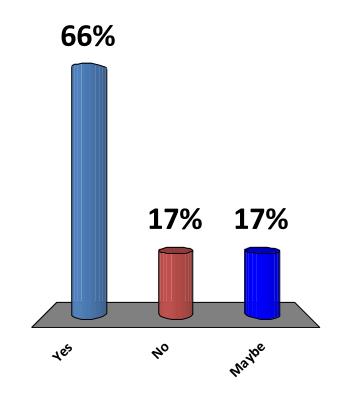


Audience Response Question: Would you do a 3DRA?

A. Yes

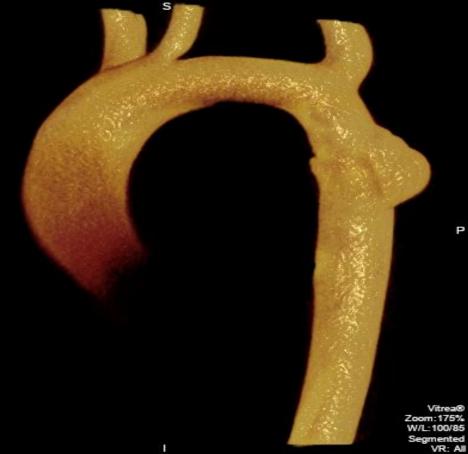
B. No

C. Maybe



3DRA

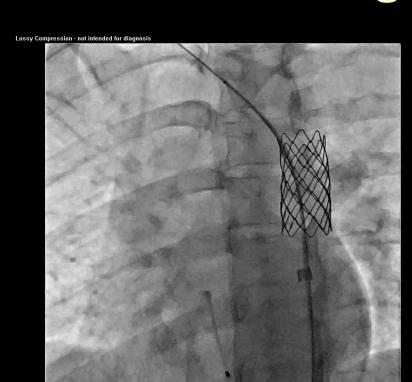
The Heart Center

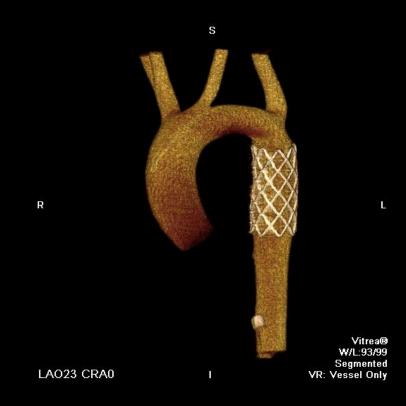


A

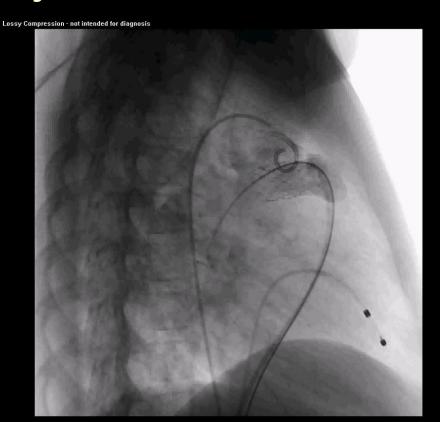
LAO54 CRA0

After 8Zig – 45mm CCPS

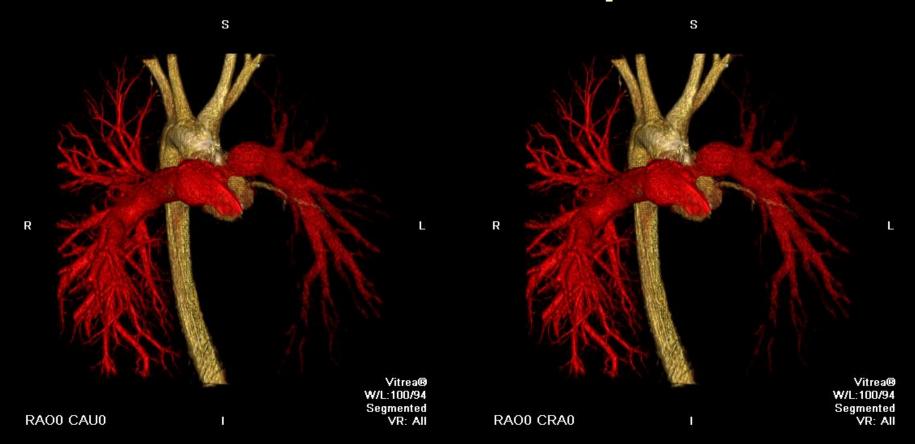




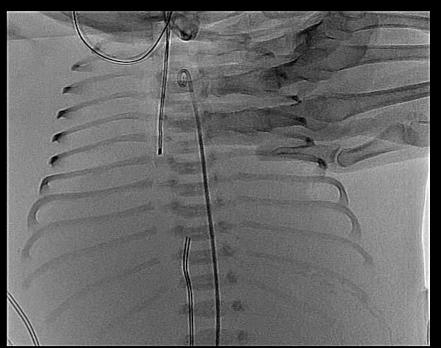
6 yo TGA DORV s/p ASO, Closure VSD & ASD, Dual Injections 3DRA PA & Aorta

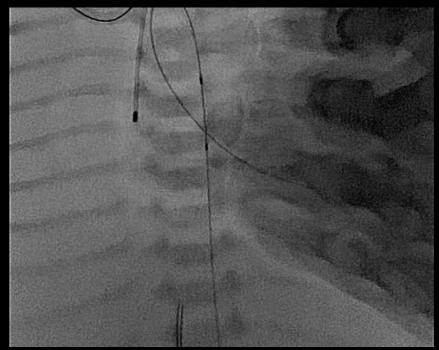


Anatomical relationship: 3DRA



4 day old 34 week gest. severe hydrops, renal failure, Heart Center pulmonary edema, on oscillator, severe thoracic coarctation of Aorta: During CPR balloon angioplasty & coronary stent



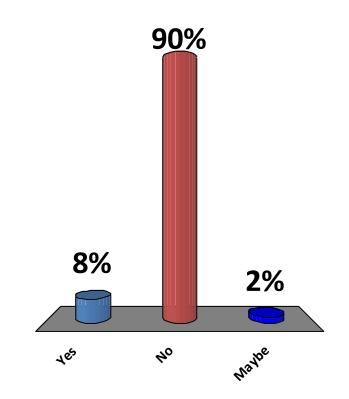


Audience Response Question: Would you do a 3DRA?

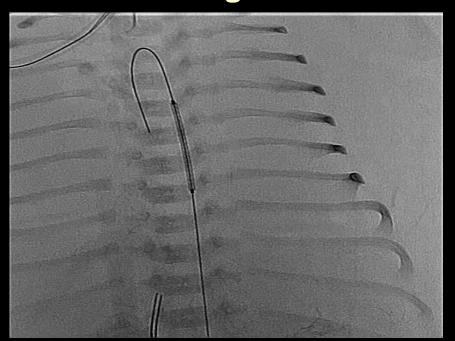
A. Yes

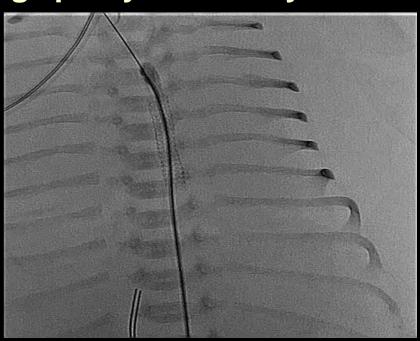
B. No

C. Maybe

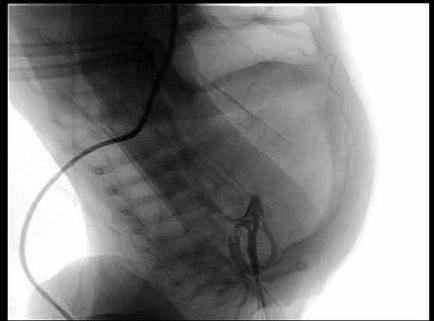


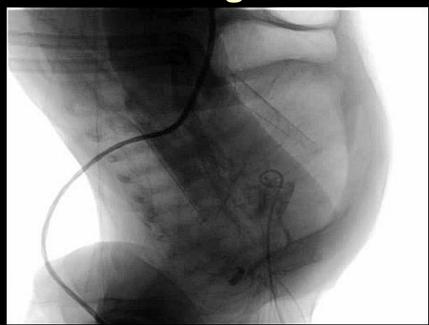
4 day old 34 week gest. severe hydrops, renal failure, Heart Center pulmonary edema, on oscillator, severe thoracic coarctation of Aorta: During CPR balloon angioplasty & coronary stent





2 months later via RCCA cutdown The Heart Center
3DRA Pre & Post Cutting Balloon and 4x22mm &
4x15mm long coronary stents stents coaxially PSG
decreased from 75 – 12mmHg

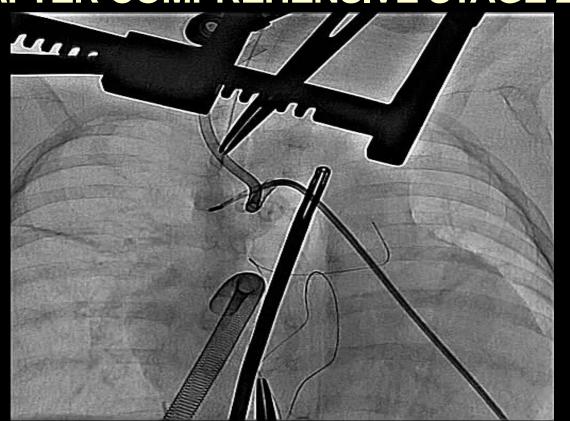




3DRA Reconstruction The Heart Center



HLHS S/P HYBRID STAGE I: EXIT ANGIOGRAPHY AFTER COMPREHENSIVE STAGE 2

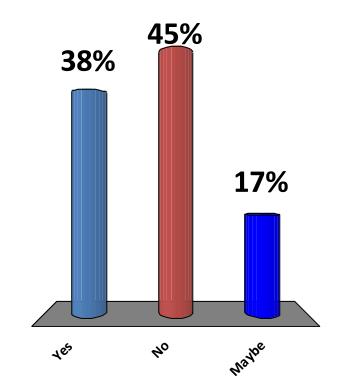


Audience Response Question: Would you do a 3DRA?

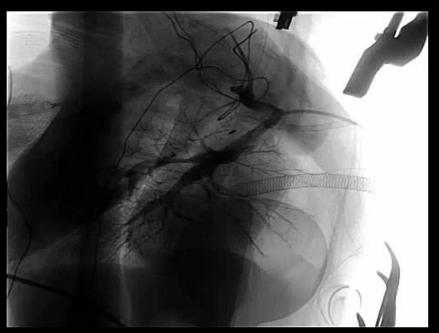
A. Yes

B. No

C. Maybe

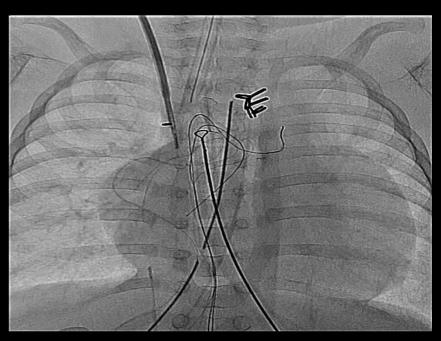


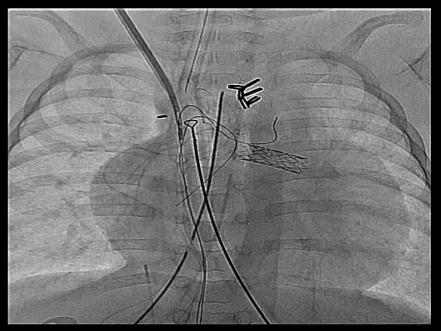
HLHS S/P HYBRID STAGE I: 3DRA AFTER **COMPREHENSIVE STAGE 2**



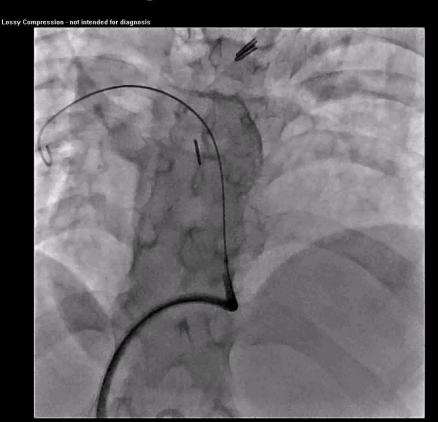


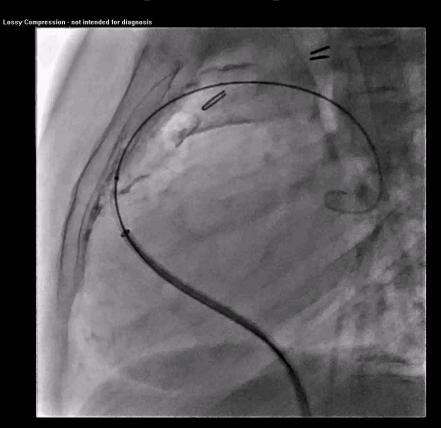
P/O DAY 3: LPA STENT PLACED





Challenging Case: 12 y/o TOF 20mment Center homograft, SBE, and now...RVp > AOp with PR



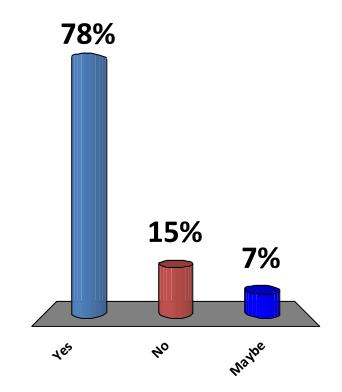


Audience Response Question: Would you do a 3DRA?

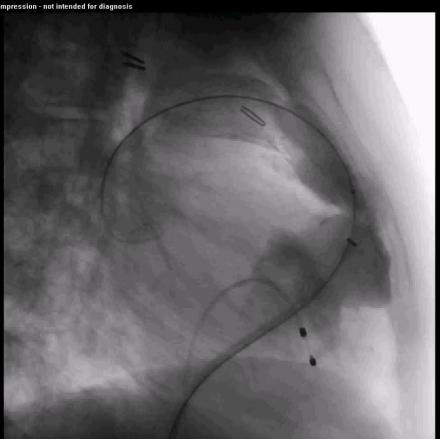
A. Yes

B. No

C. Maybe

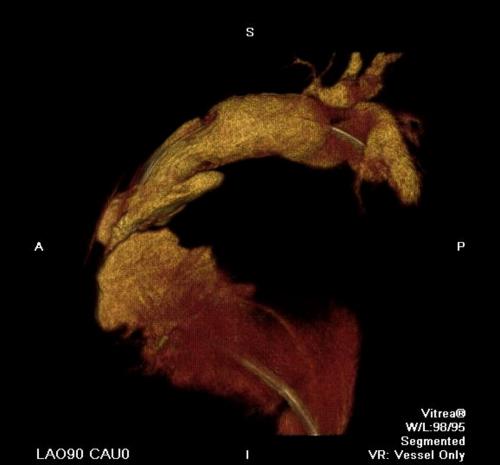


3DRA: RV Angio with RRVP Lossy Compression - not intended for diagnosis



The Heart Center

3D Reconstruction

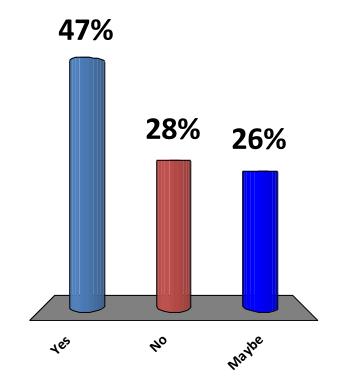


Audience Response Question: Are you now scared? Would you refer to CT surgery?

A. Yes

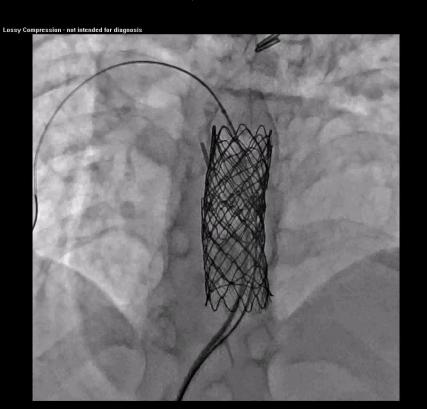
B. No

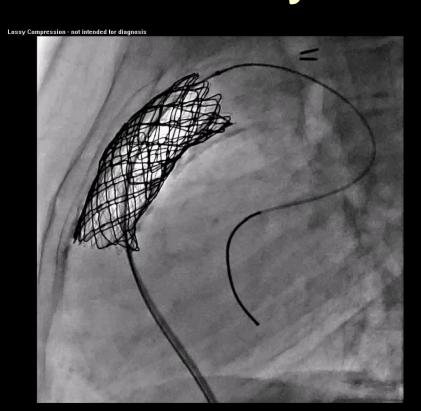
C. Maybe



The Heart Center

After a Long Day in the Hybrid Cath Suite 2 CCPS, 3 Palmaz XL Stents & Melody TPV

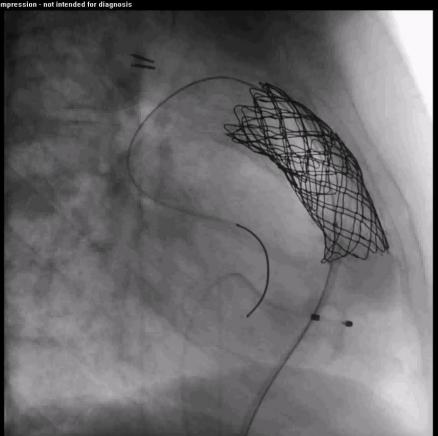




The Heart Center

3DRA: Melody TPV, 2 CCPS, 3 Palmaz XL

Lossy Compression - not intended for diagnosis



3DRA: Melody TPV, 2 CCPS, 3 Palmaz XL

R

L

Vitrea® W/L:107/84 Segmented VR: Vessel Only

3D ROTATIONAL ANGIOGRAPHY

- Single injection
- Unlimited angles identify angles for interventions
- May reduce radiation dose & number of angios
- Enhanced diagnosis
- Relationship with surrounding anatomical structures

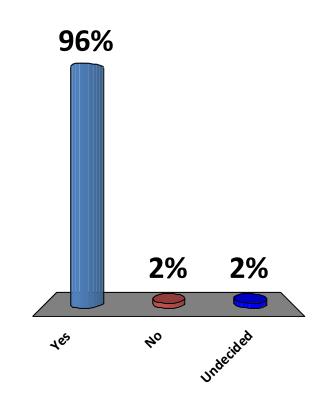


Audience Response Question: Last Chance: WILL YOU USE 3DRA?

A. Yes

B. No

C. Undecided



THANK YOU

The Heart Center

R



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Vitrea® W/L:222/99 Segmented VR: All

Acknowledgment: Paul Lawrence