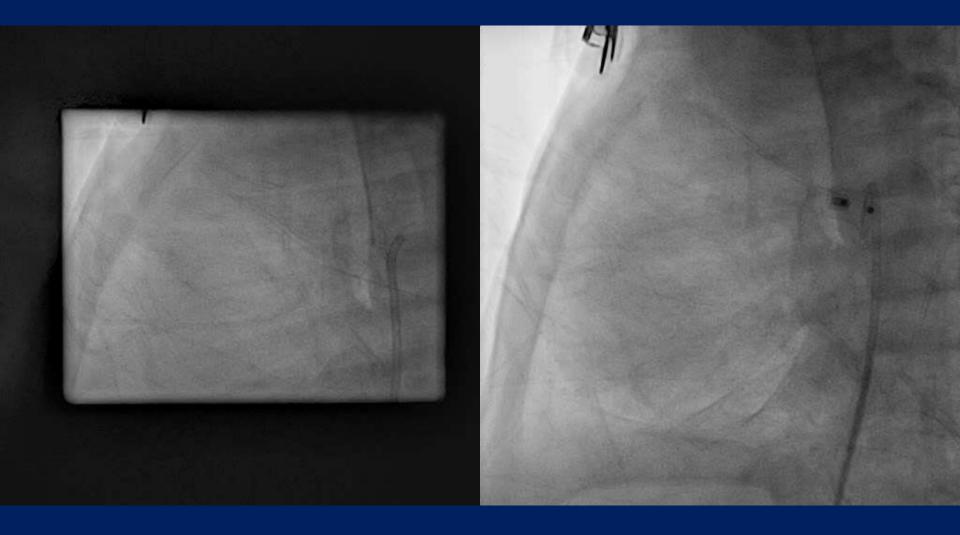
Large and long PDAs in Infants

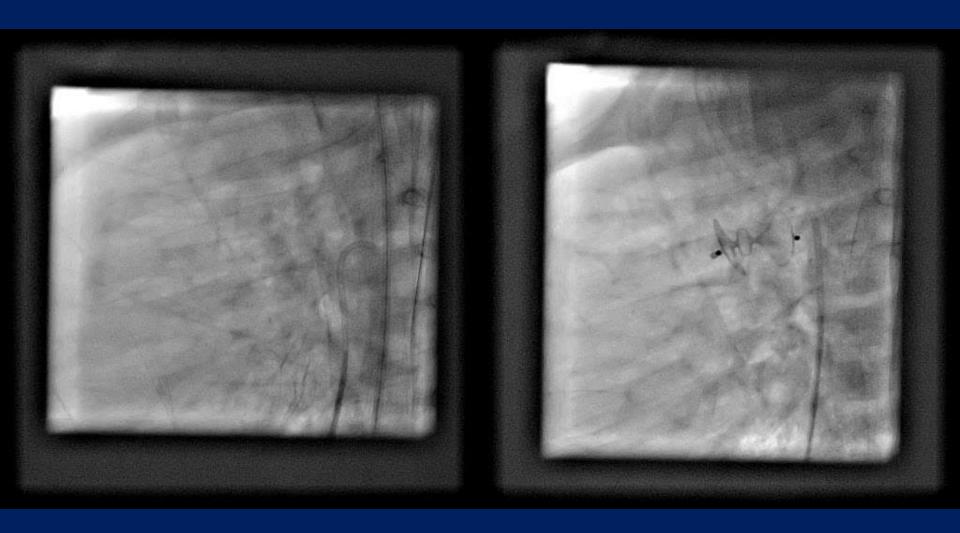
Bharat Dalvi, MD Glenmark Cardiac Center Mumbai, India

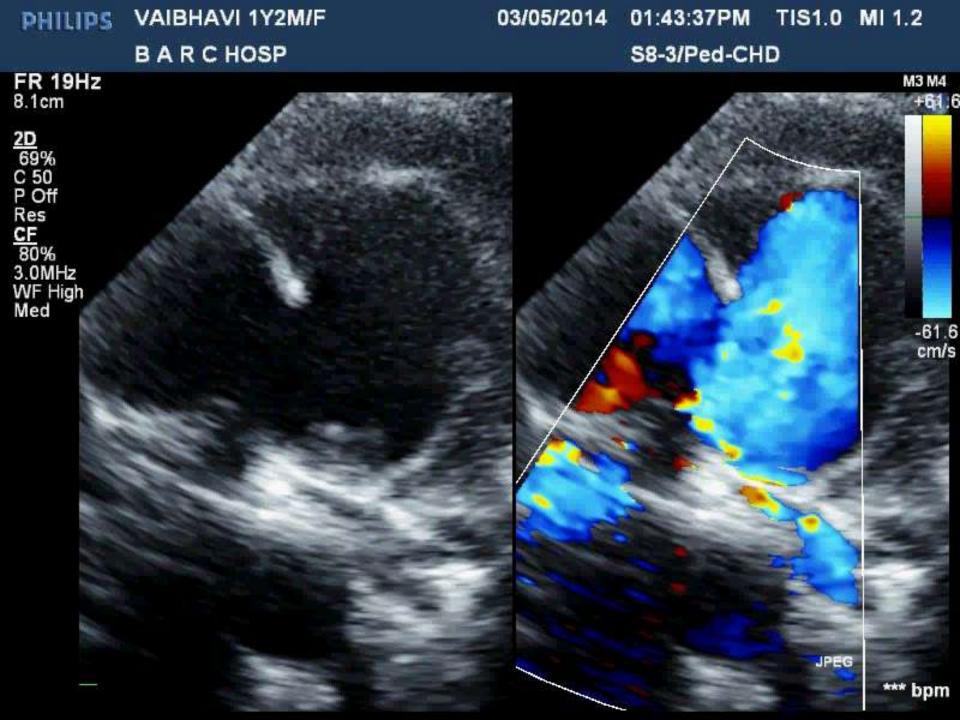
Problems

- Smaller vascular access
- Large shunts
- PHT Hyperkinetic
- Compromising aortic lumen (ADO I)
- Compromising LPA origin (ADO II)









Amplatzer Vascular Plug II

- No aortic retention disc
- No pulmonary retention disc
- 6-7 mm in length
- No polyester Soft
- Very low profile
- 4Fr Sheath

- 7 month old, 4.8 kg
- SOB, feeding difficulty and severe FTT
- Bounding pulses
- Continuous murmur



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Dr S PAWAR

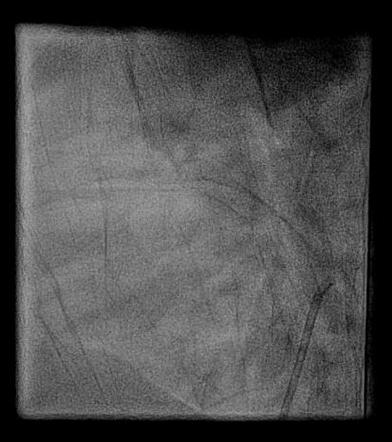
GLENMARK CARDIAC CE S8-3/Ped-CHD

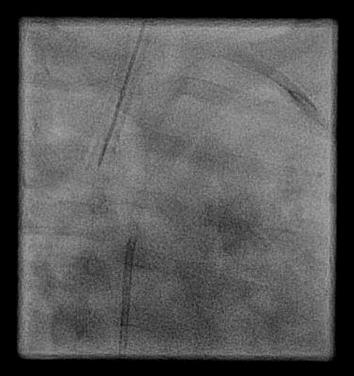
х

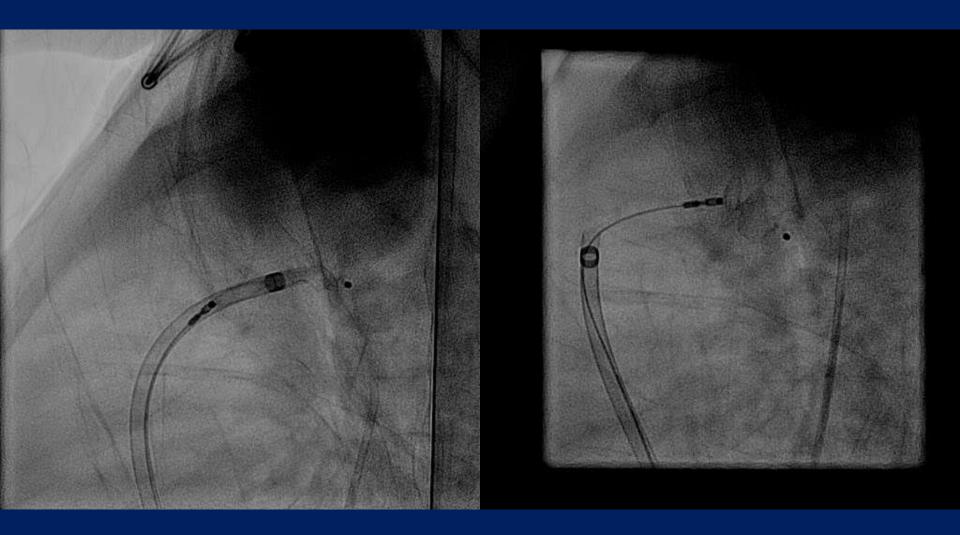
R 26Hz ^{0cm}

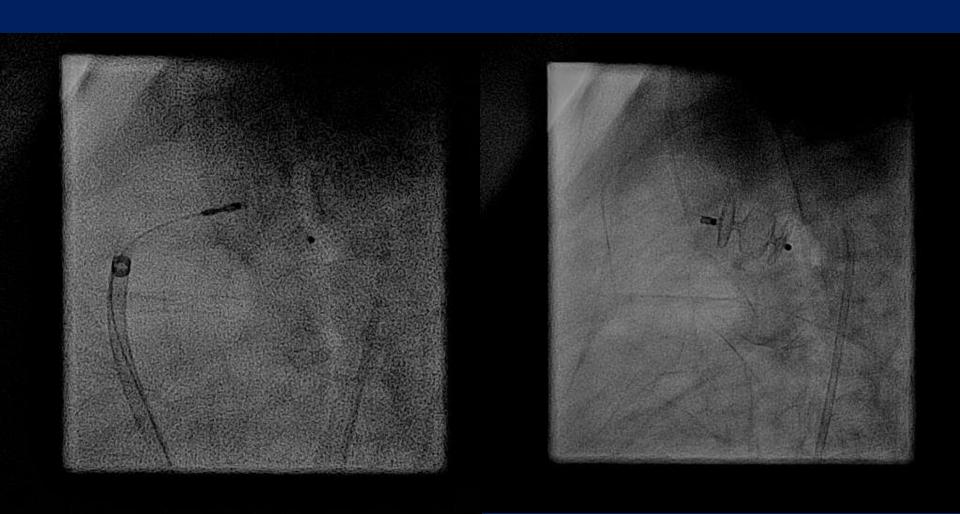
2 1% 50 Off s 5 7% 0MHz 7 6 High ed

Dist 0.522 cm



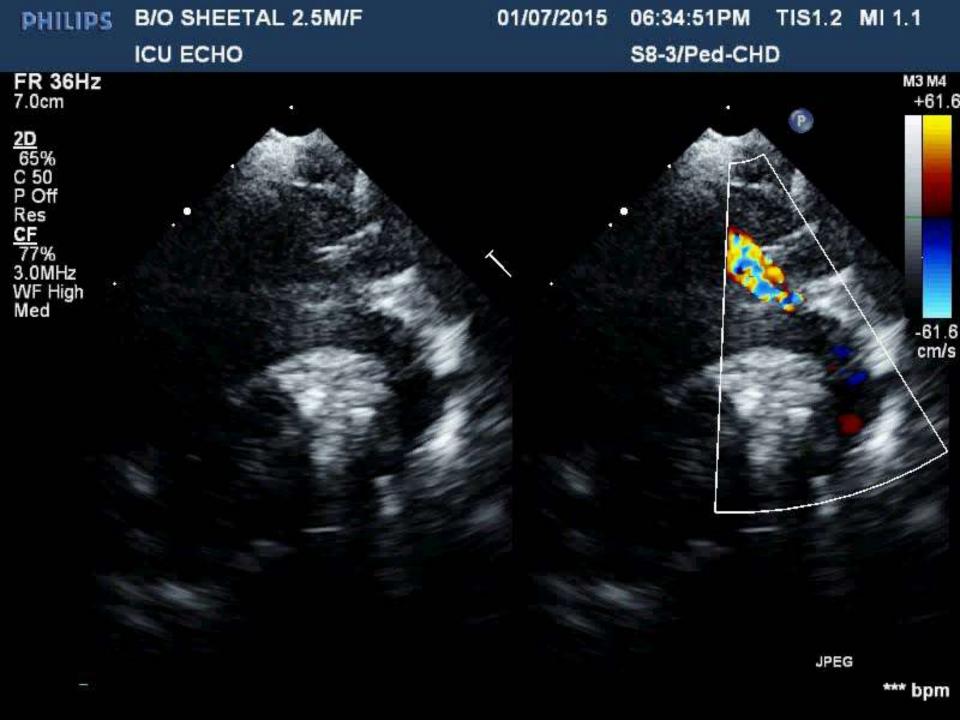


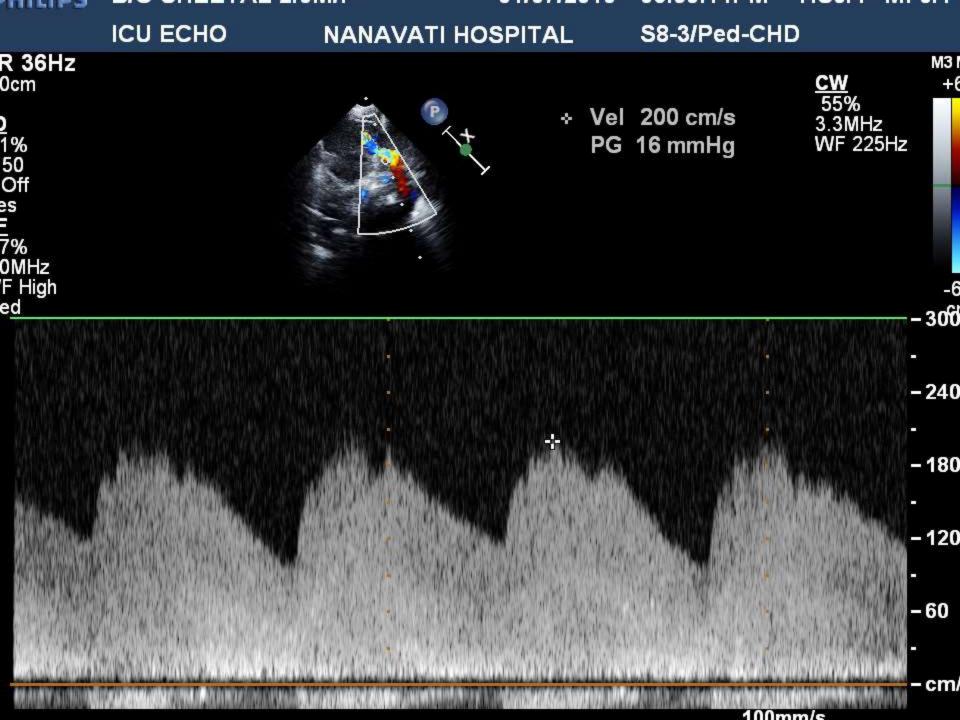


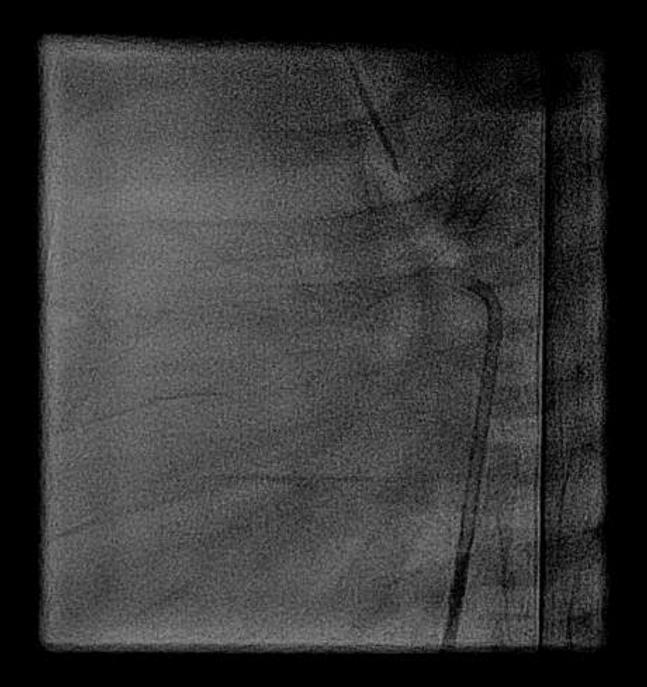


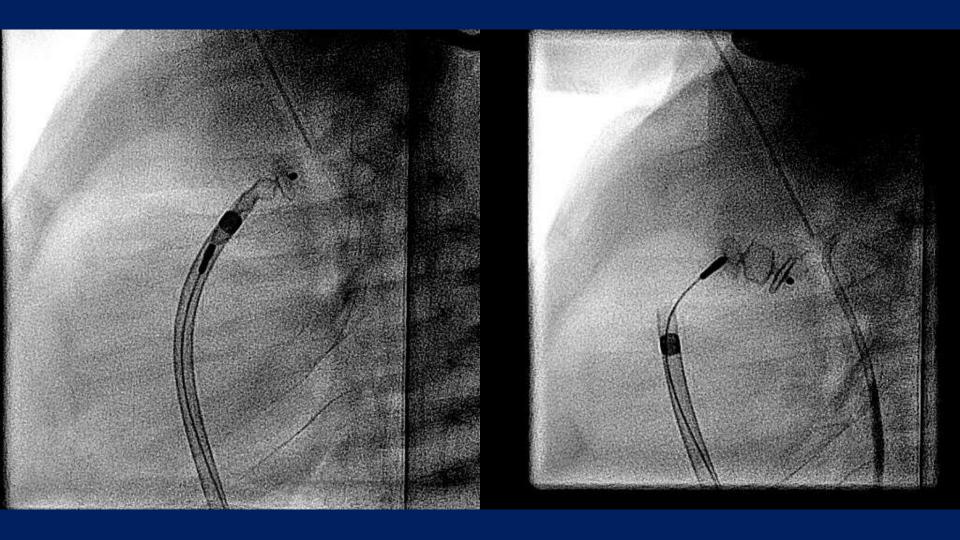


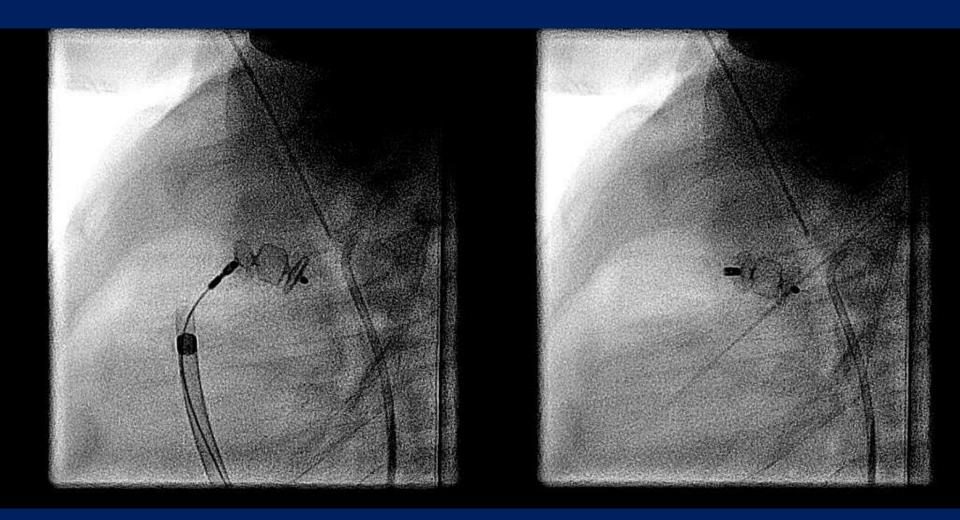
- 3 month old, 3.2 kg
- SOB, feeding difficulty and FTT
- One episode of pneumonia
- Bounding pulses
- Continuous murmur
- Flow murmur across the MV

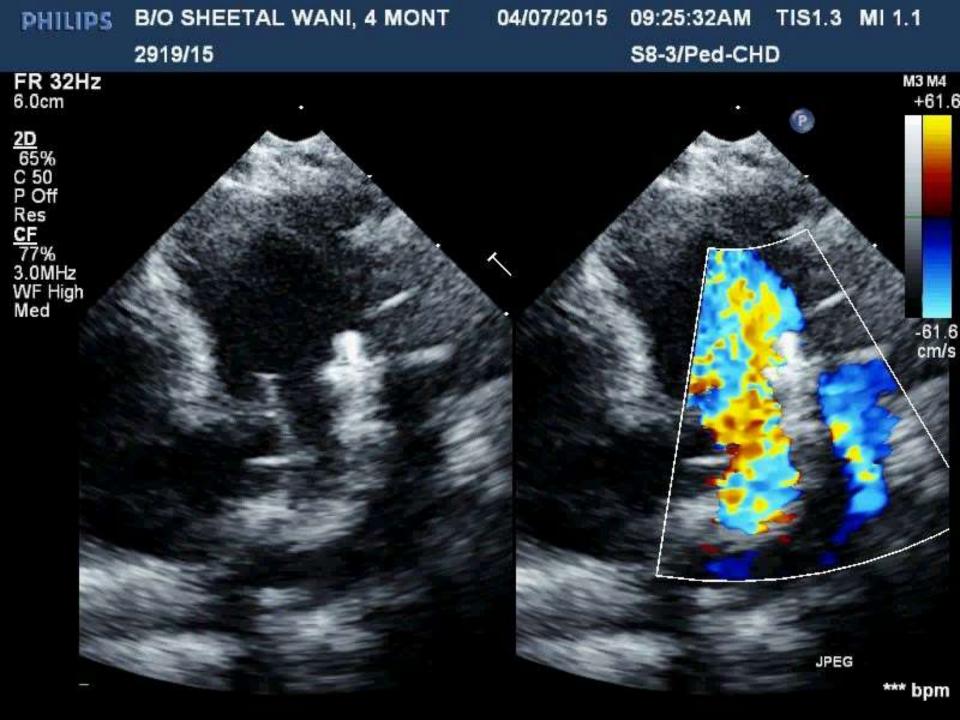




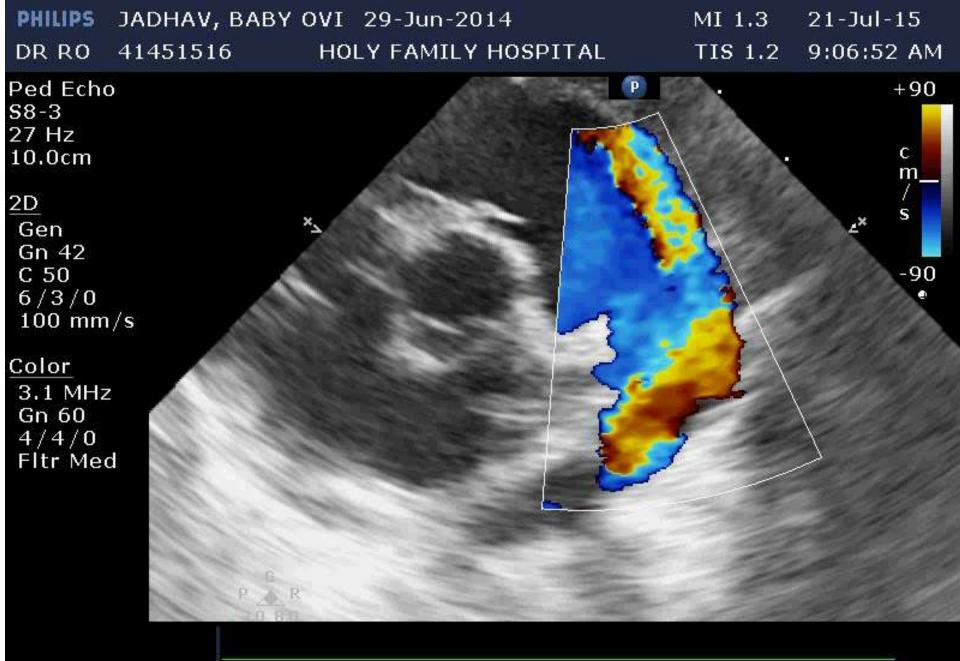


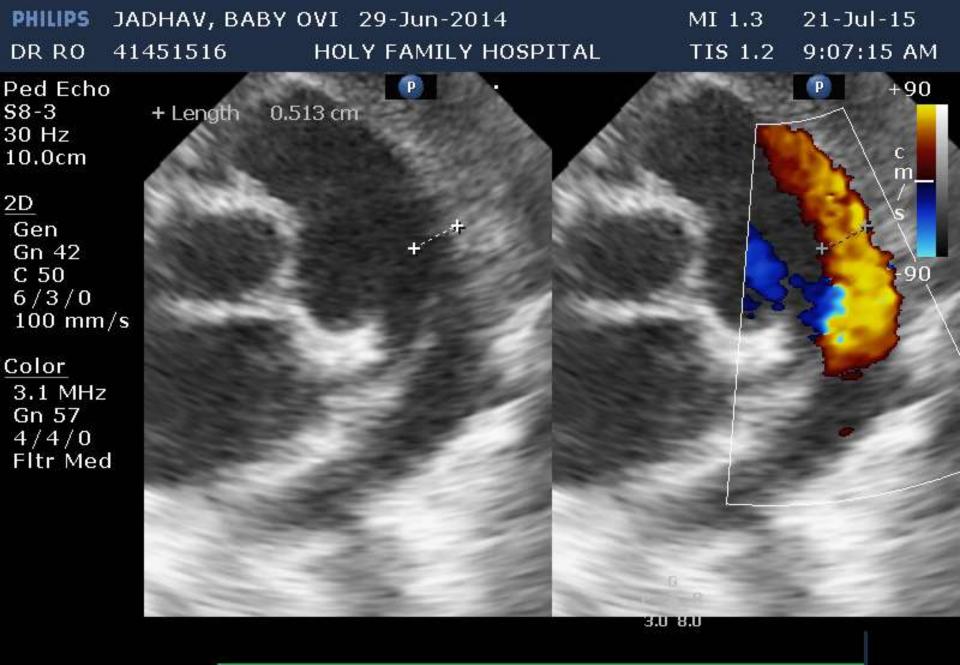


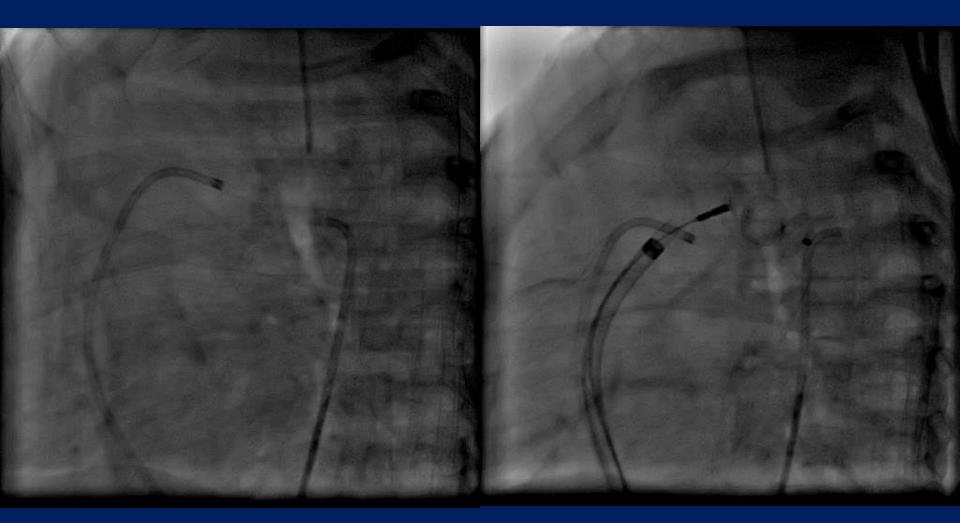


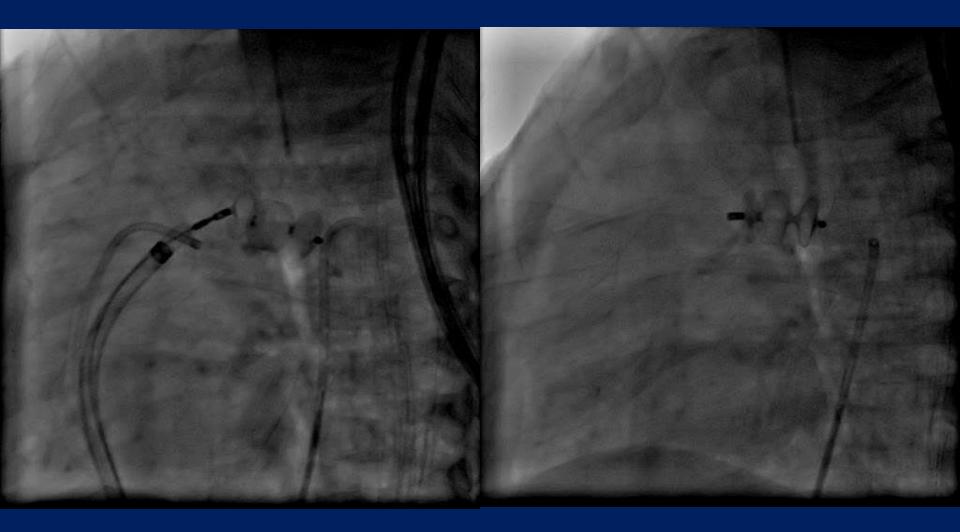


- 11 month old, 4.9 kg
- Repeated RTI. 2 admissions for pneumonia
- Severe FTT
- Bounding pulses
- Cardiomegaly
- Continuous murmur
- Flow murmur





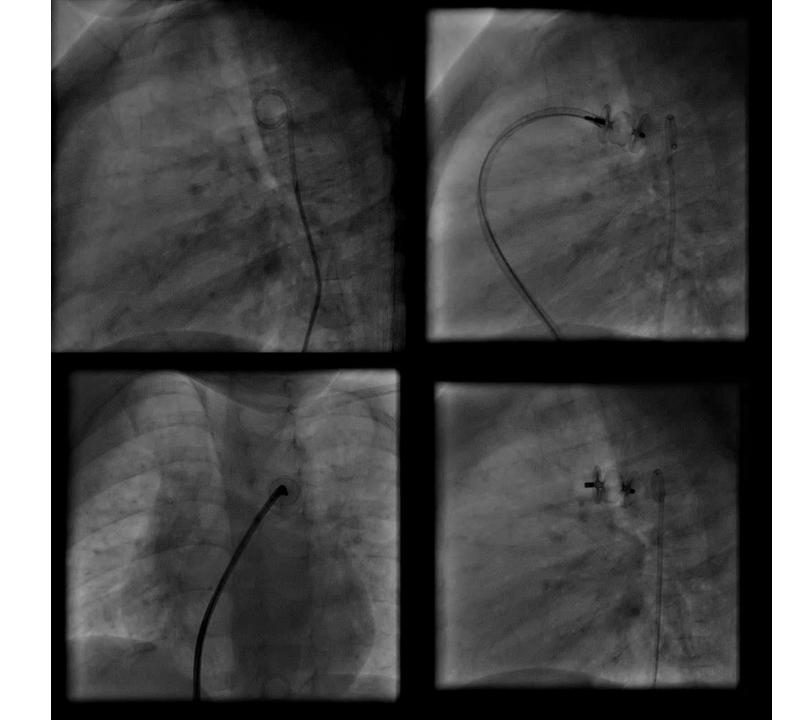




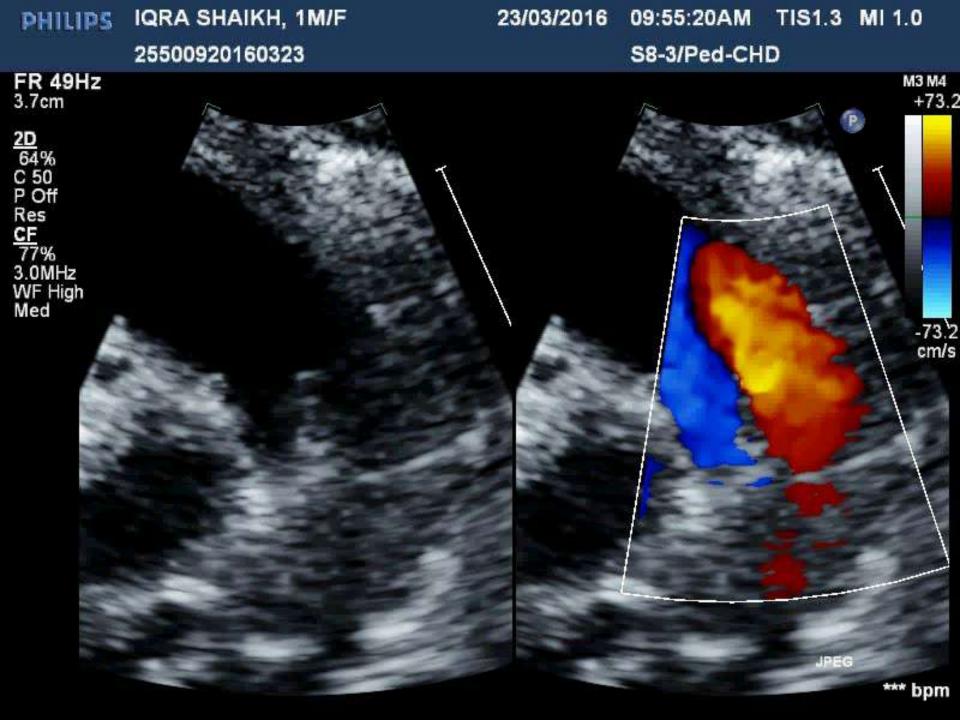


PHILIPS DR RO		Y OVI 29-Jun-2014 HOLY FAMILY HOSPITA		21-Jul-15 10:12:15 AM
Ped Echo \$8-3 22 Hz 10.0cm 2D Gen Gn 36 C 50 6/3/0 100 mm <u>Color</u> 3.1 MHz Gn 44 4/4/0 Fltr Med	n/s			P +60 c m_ 5 -60
			P ▲ R 30 80	

- 1 year old child
- Repeated RTI and severe FTT
- Bounding pulses
- Large heart
- Continuous murmur



- 1.5 month old
- Rubella syndrome
- Large PDA. No PPS
- 2 Admissions for heart failure
- Symptomatic despite medical treatment



X

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Dist 0.409 cm

Dist 0.684 cm

Nanavati Hospital

MЗ

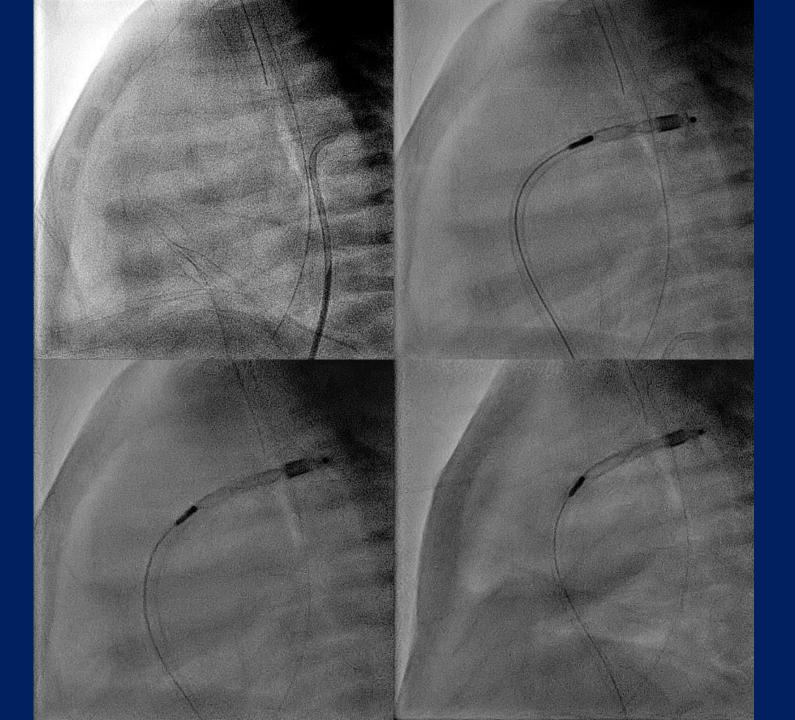
C

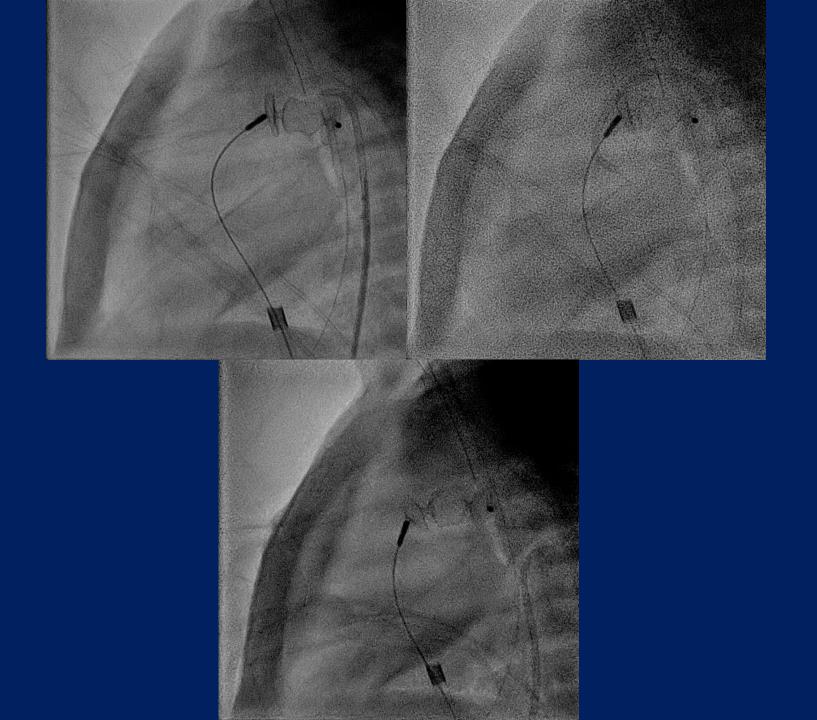
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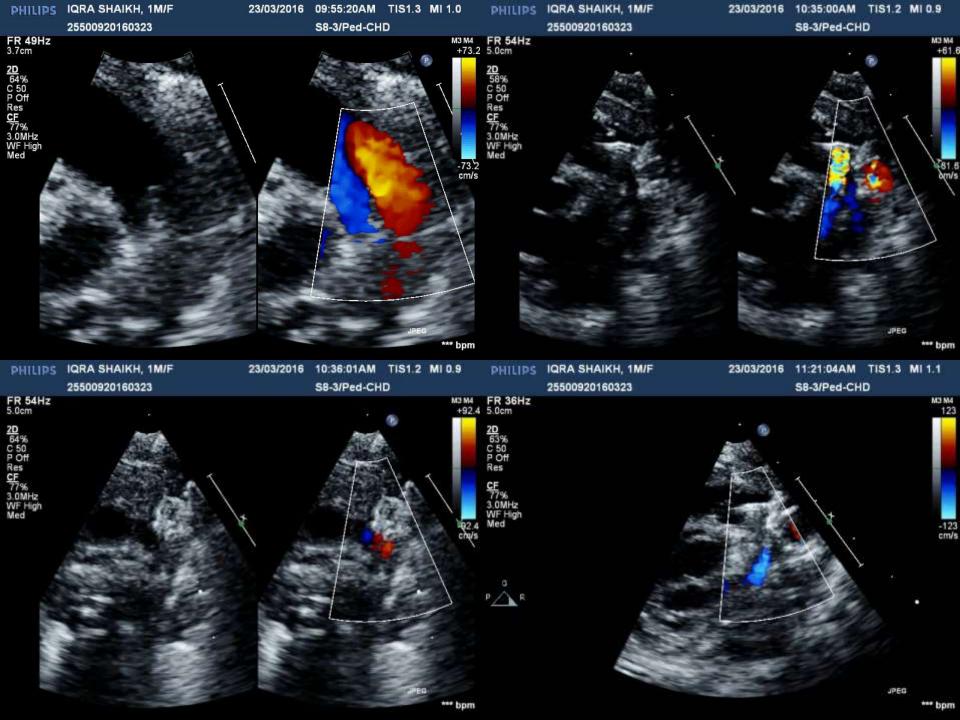
S8-3/Ped-CHD

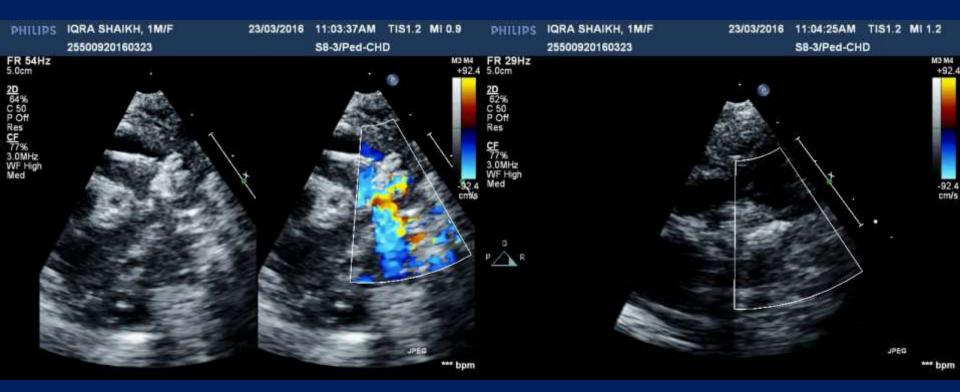
R 56Hz ^{0cm}

2 8% 50 Off s 7% 0MHz 7 High ed









Conclusion

- TCC of long and large PDAs in neonates and infants is challenging
- AVP II can be used safely in some
- Length of the duct is crucial
- No gradient in LPA should be accepted
- Surgical standby
- Can we extend the indication to preterms???