

# Simulator for device placement

Toshio Nakanishi

Pediatric Cardiology

Tokyo Women's Medical University

Tokyo, Japan

# Possible training

- TEE monitoring
- ICE monitoring
- Fluoro monitoring
- Real device placement
- Retrieval of device

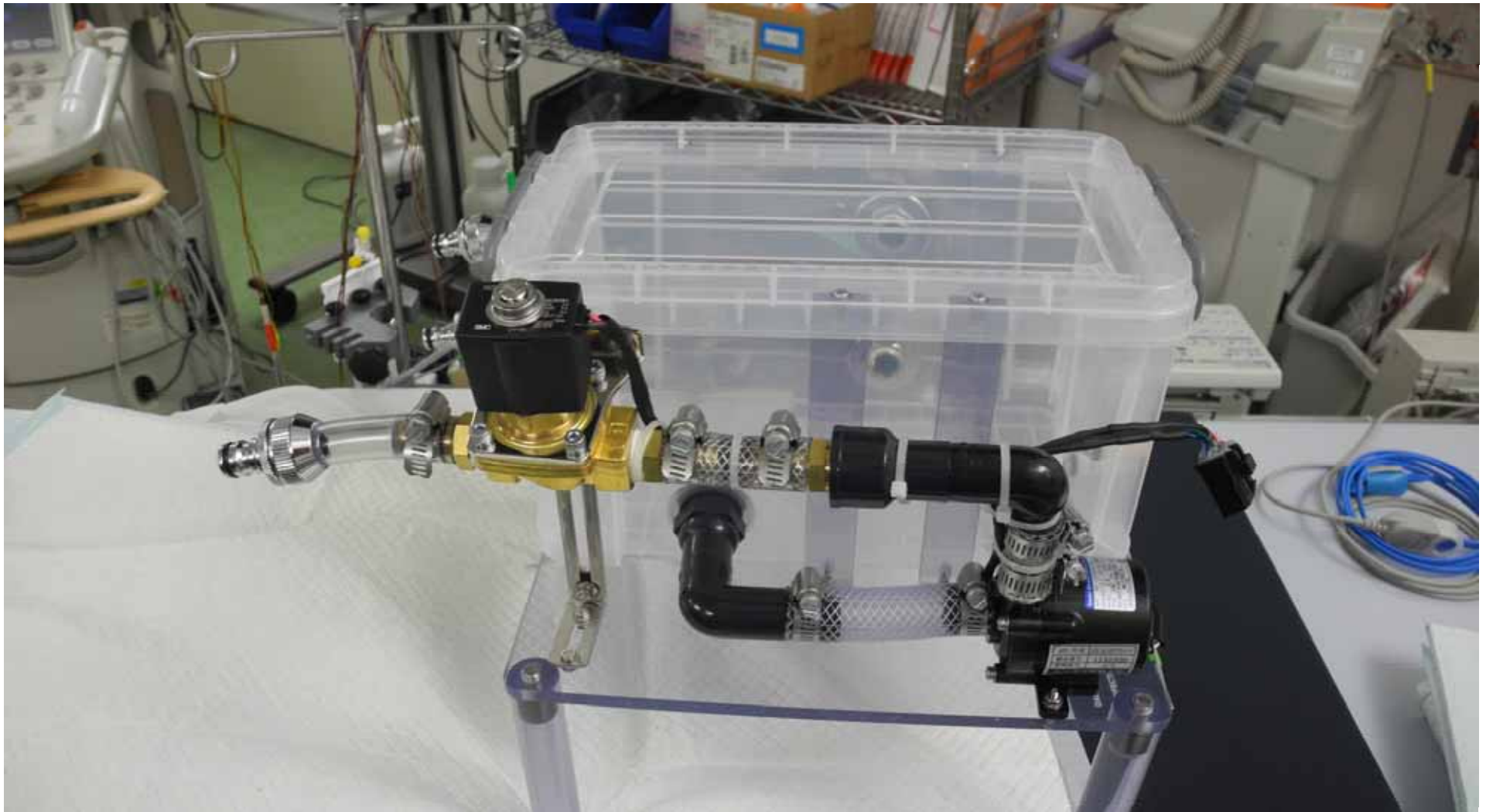




新しいラインまで水を入れて下さい。

OPEN  
CLOSE

# Pump and valve



# Femoral veins





# Heart

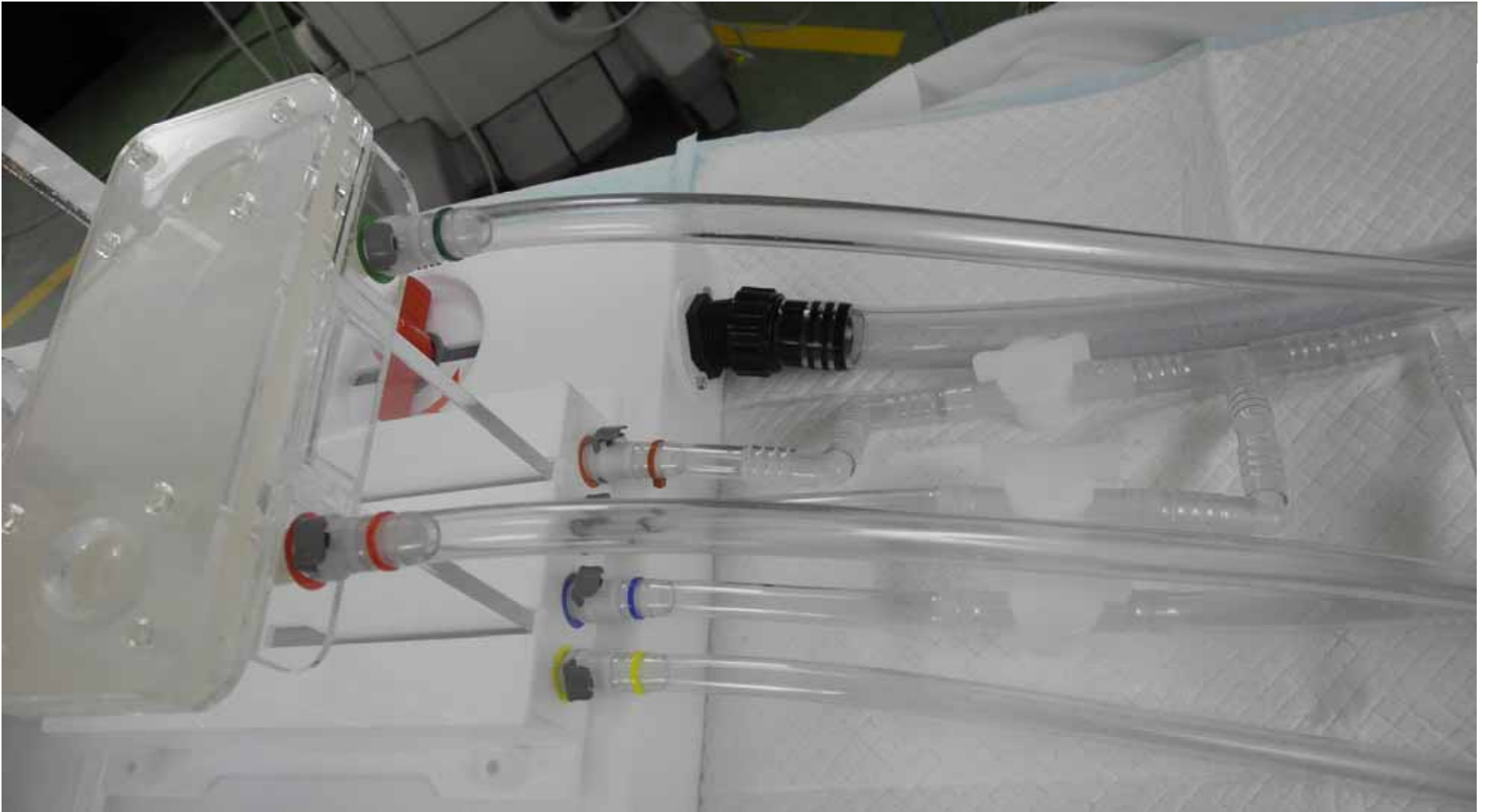


# Circulation





# Arteries and veins









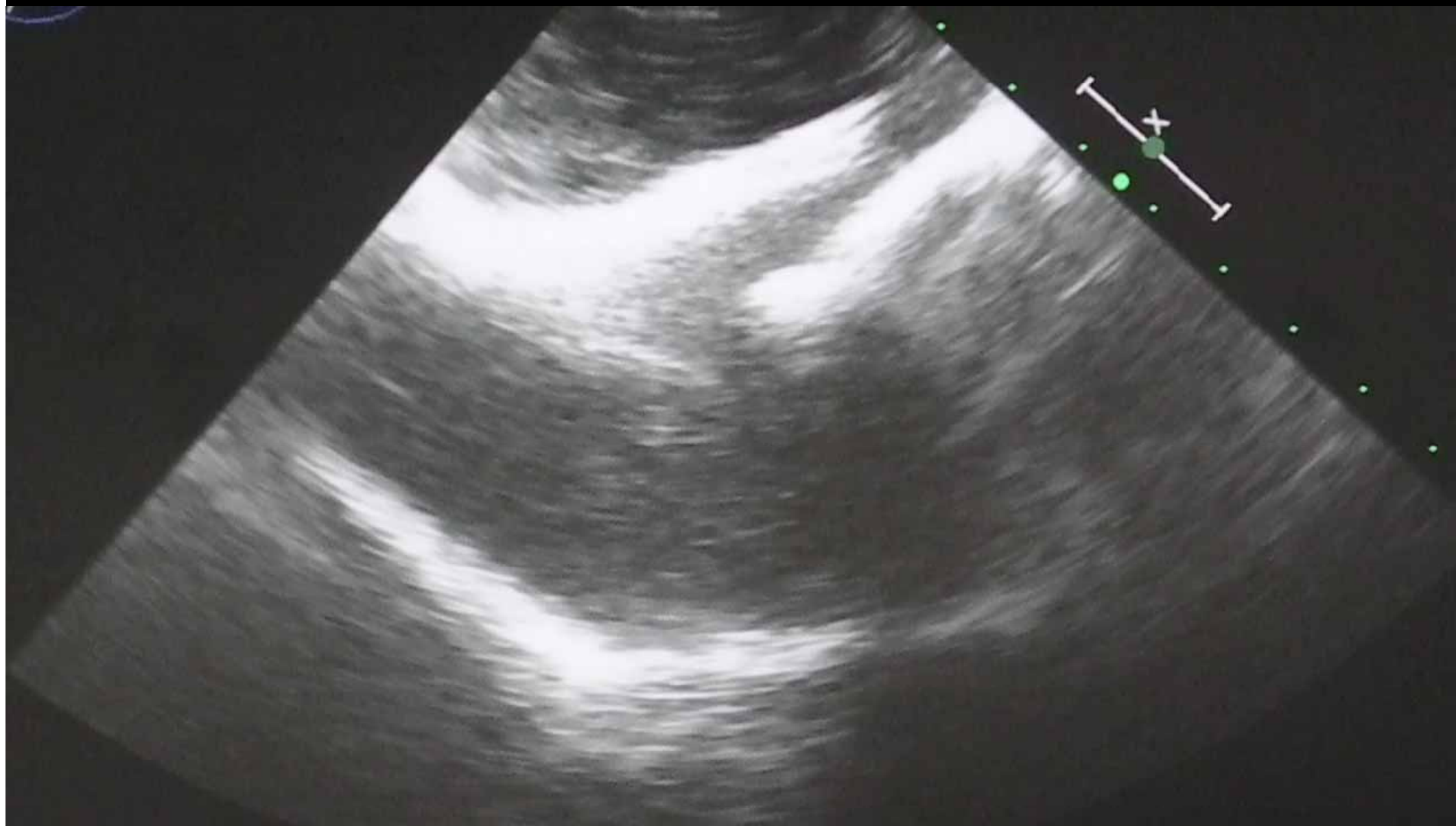


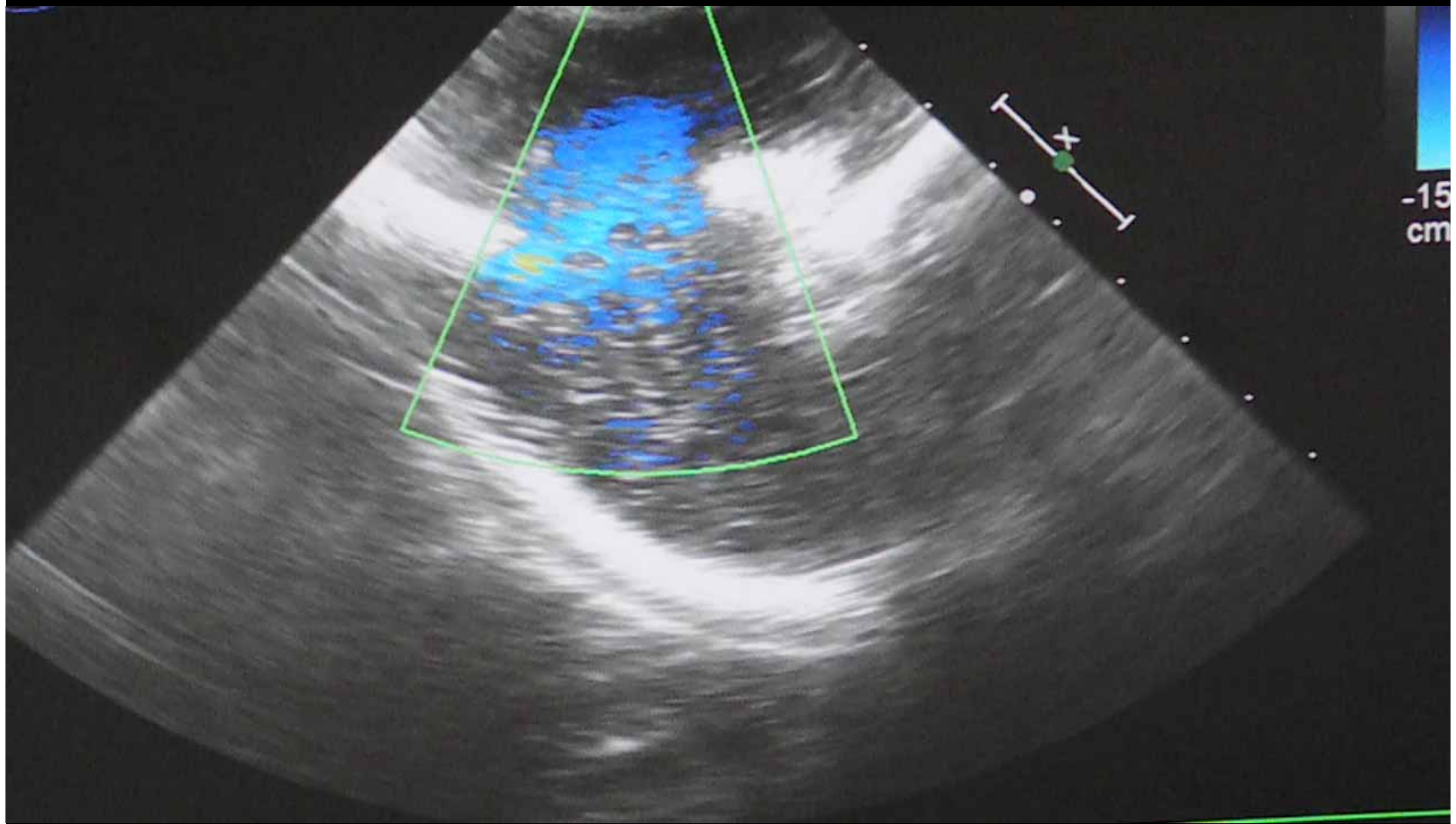








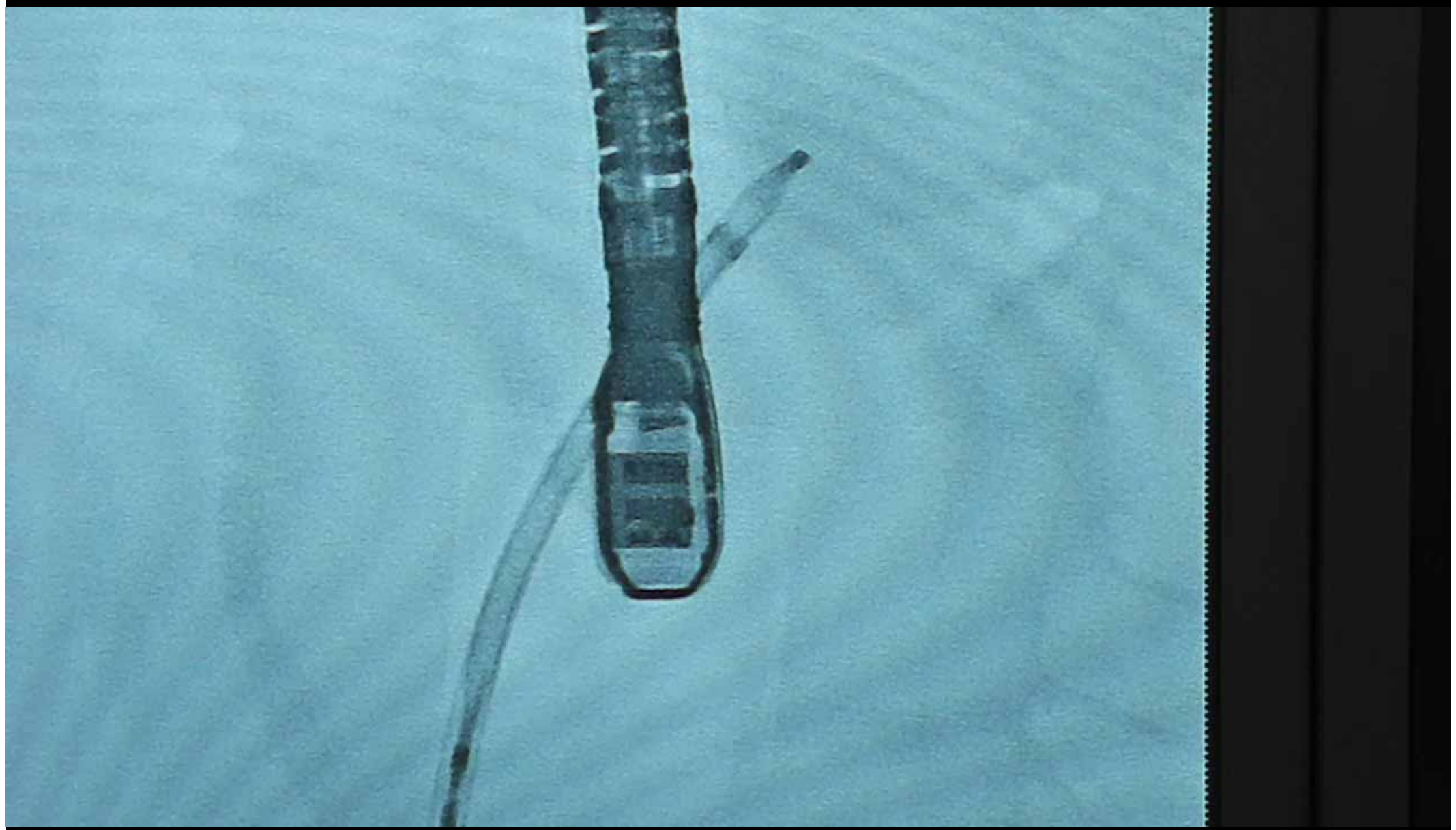


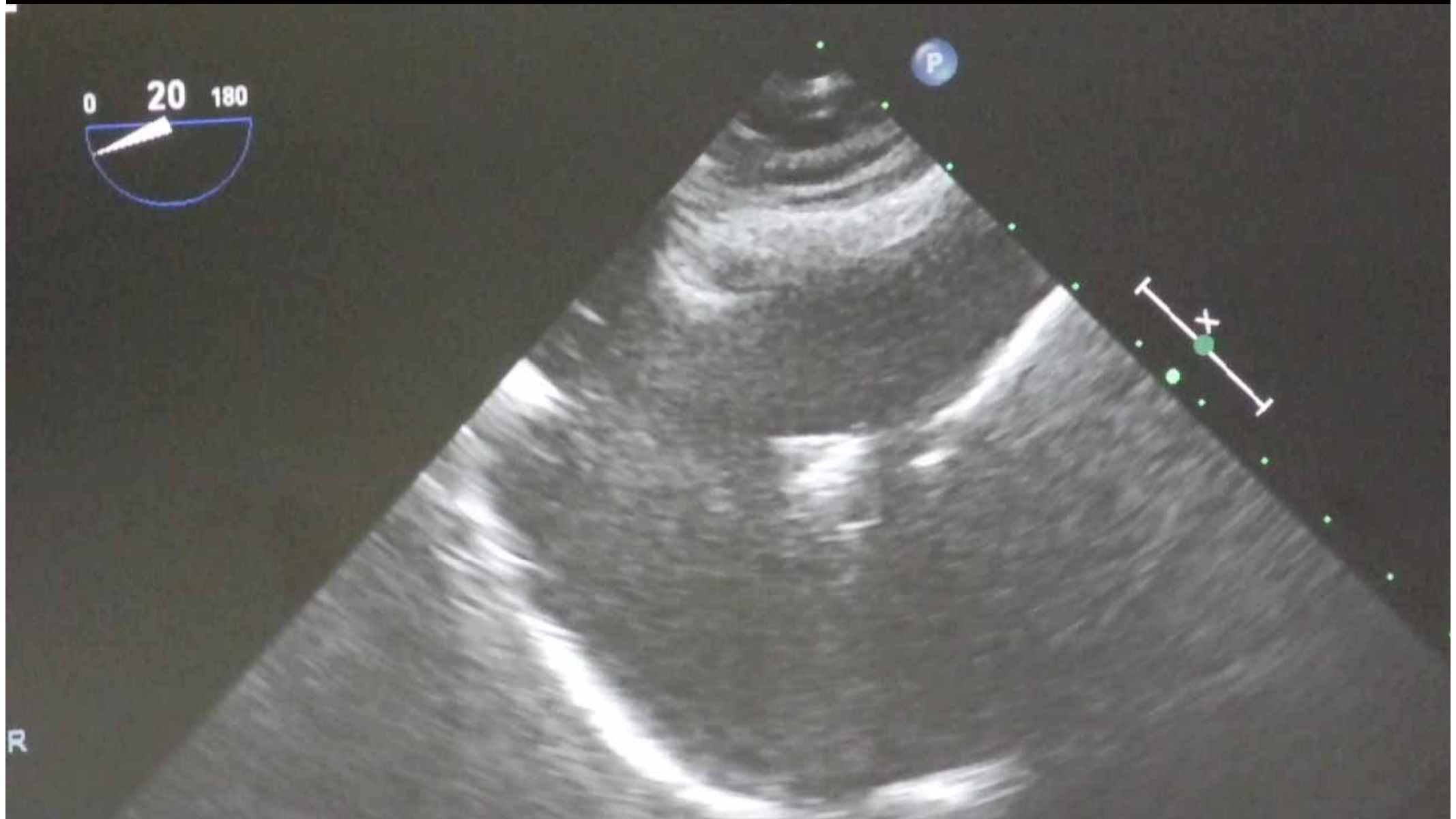


-15  
cm









R



# Device retrieval









# Future

- LAA closure
- Mitra clip
- PDA closure
- Pulmonary valve placement
- Aortic valve placement
- Endovascular stent placement