

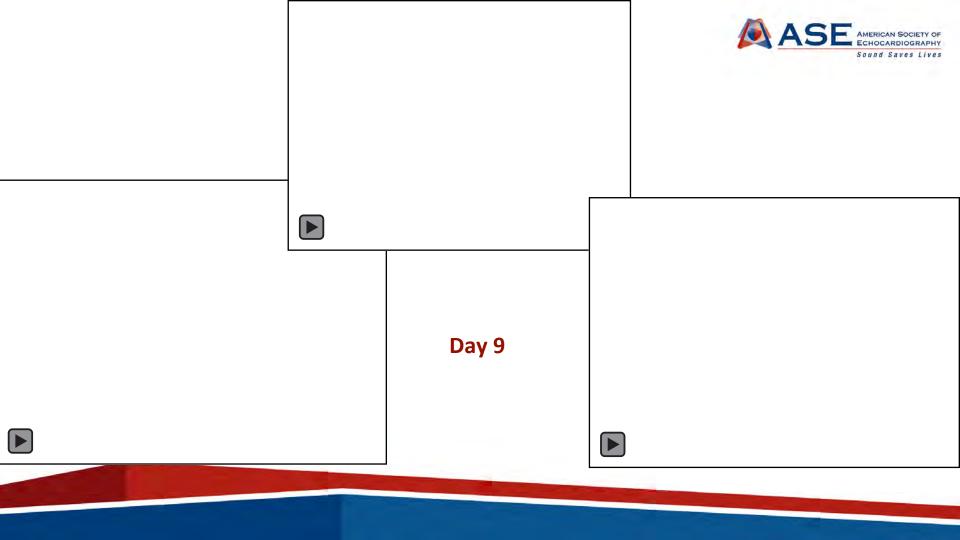
Puzzling Cases in Cardiac Function: Read with the Experts

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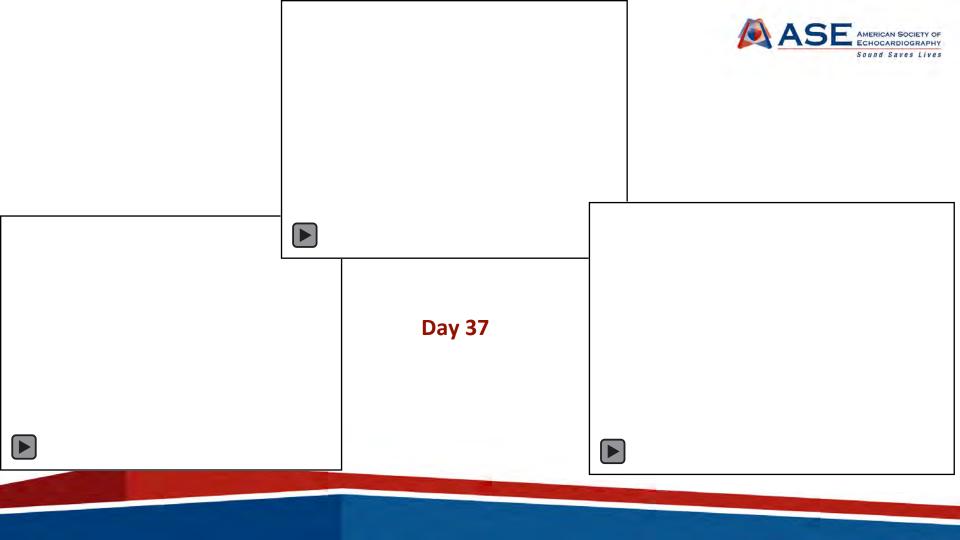
29yo female with DM1, asthma. Found to be COVID+

- COVID day 3: admitted to hospital with nausea, diarrhea, decreased appetite.
- COVID day 5: increasing dyspnea
- COVID day 8: intubated
- COVID day 9: Echo





- COVID day 15: Hypoxic cardiac arrest, proned
- COVID day 21: VV-ECMO deployed
- COVID days 21-37: stable ventilator and ECMO settings, failed sweep trials
- COVID day 37: Acute Hypotension and Echo

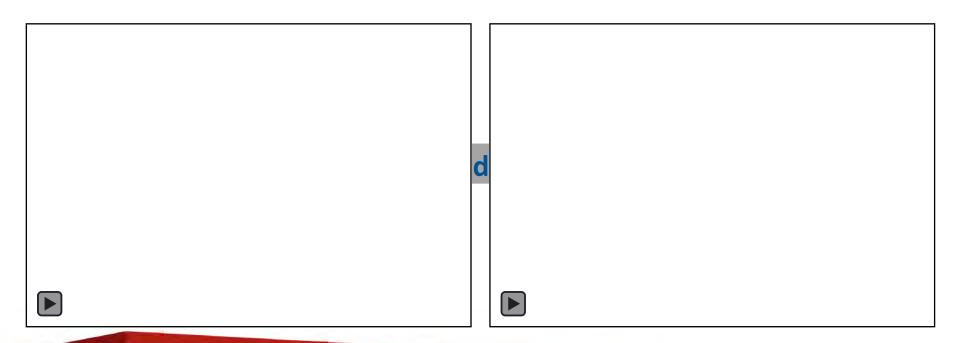




- Epinephrine and iNO started for acute right heart failure
- CT PE protocol: No pulmonary embolism



- Current Status at COVID day 65:
 - RV dysfunction managed with iNO, Dopamine, Norepinephrine
 - RHC: RA 24 mmHg, PA 62/14, PCWP 15 mmHg, PVR 1 Woods Unit. CO 4.7Lpm, CI 2.9 Lpm



Key Points



 Isolated RV dysfunction can occur in up to 39% of patients

 Bedside echocardiography can be beneficial in patients with hemodynamic instability and can change management in 30-40% of patients.