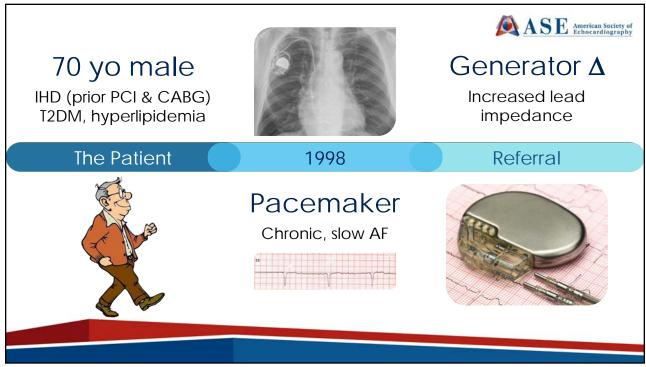
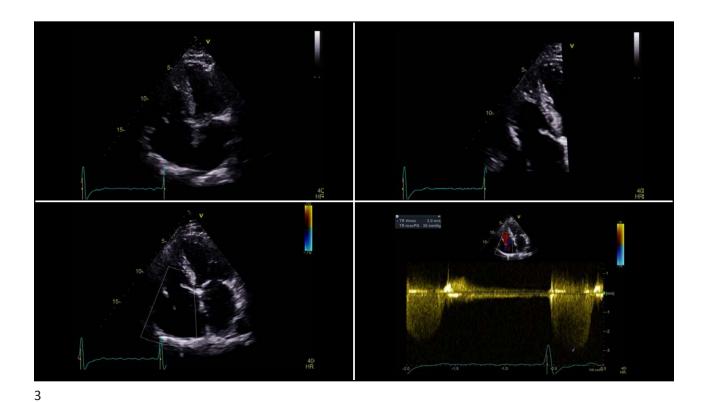


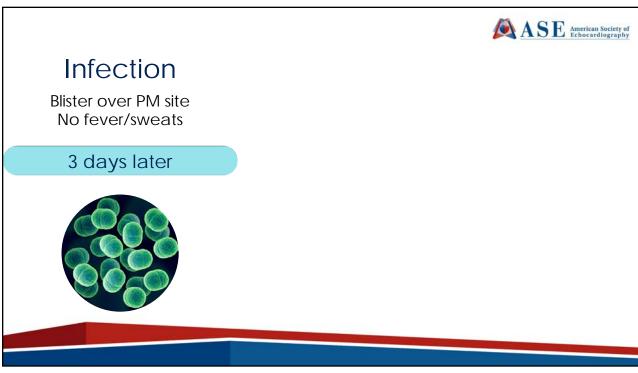
A Potpourri of Fascinating Cases to Learn From

Bonita Anderson

1









Blister over PM site No fever/sweats





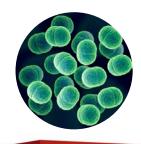
New Device

Medtronic Micra™ leadless device

3 days later

Following week

Same time



Extraction

Laser-assisted removal pacing leads

Animation adapted from https://www.philips.com.my/healthcare/resources/ landing/lead-management





114/60 mmHg Lying:

Sitting: 94/54 mmHg



NYHA III Dizzy & weak

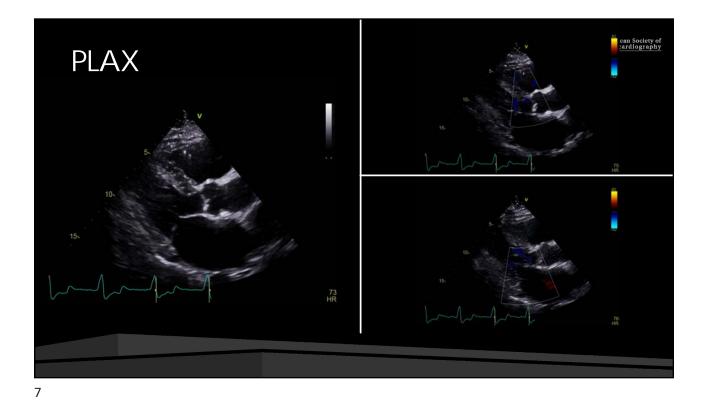




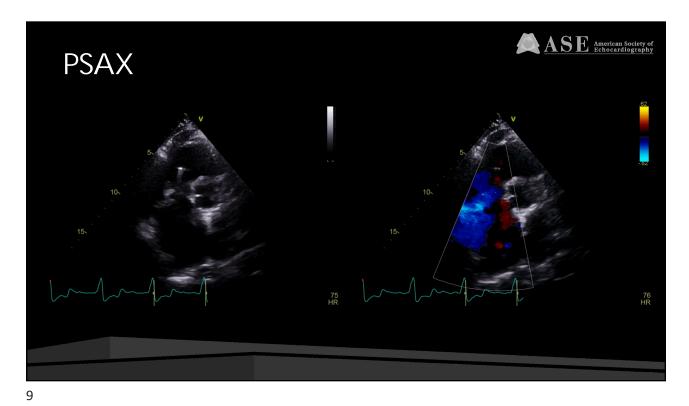
Hb dropped 144g/L => 99g/L

Afebrile O₂ 98% PR 60 bpm HS dual + SM Liver pulsatile JVP giant V waves

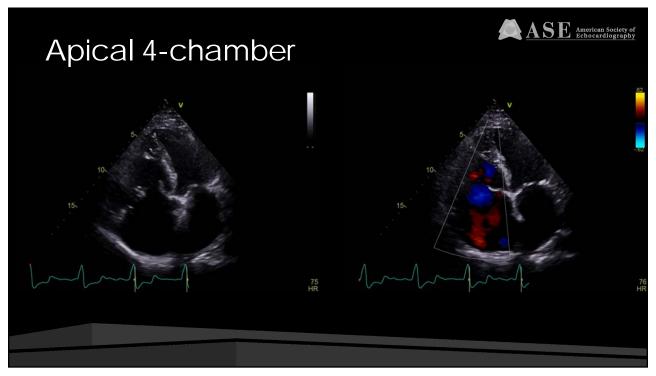








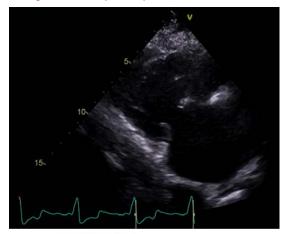




Question



70 yo male post-pacemaker lead extraction + new leadless device insertion



This is likely:

- 1. A large tricuspid valve vegetation
- 2. A ruptured papillary muscle
- 3. Entrapped thrombus within the tricuspid apparatus
- 4. Traumatic tricuspid valve injury

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Question

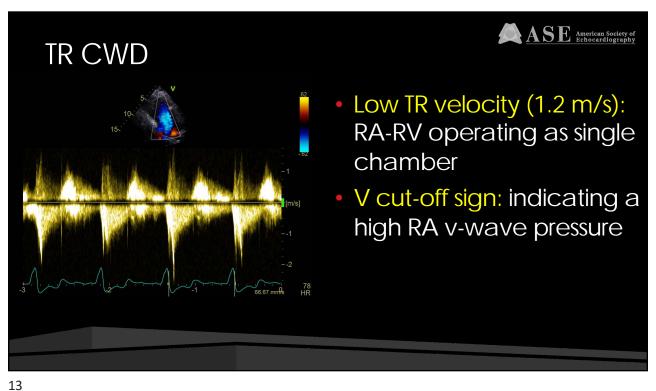


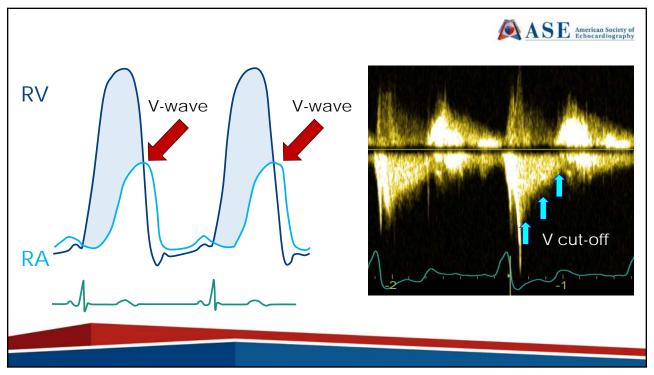
70 yo male post-pacemaker lead extraction + new leadless device insertion

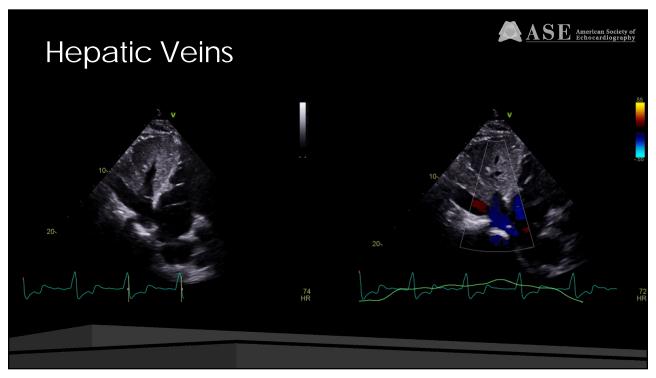


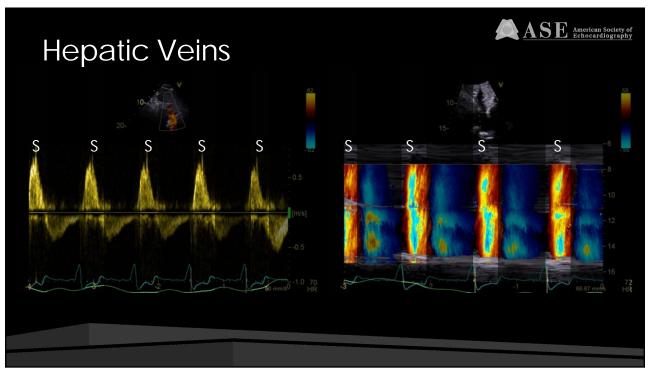
This is likely:

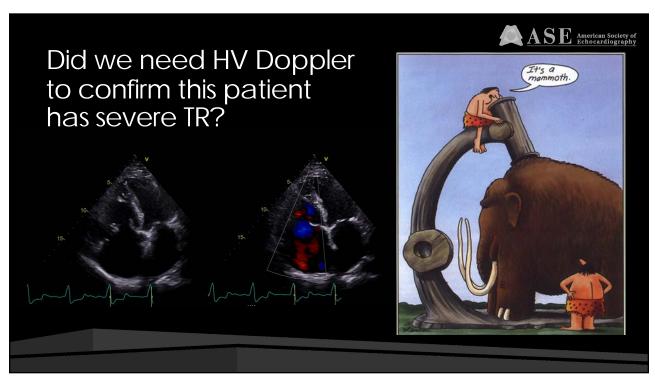
- 1. A large tricuspid valve vegetation
- 2. A ruptured papillary muscle
- 3. Entrapped thrombus within the tricuspid apparatus
- 4. Traumatic tricuspid valve injury

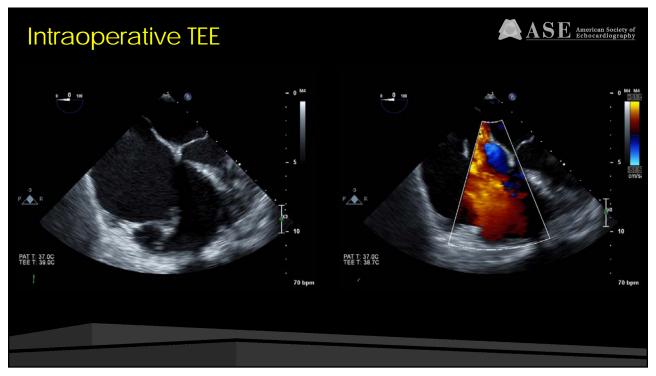


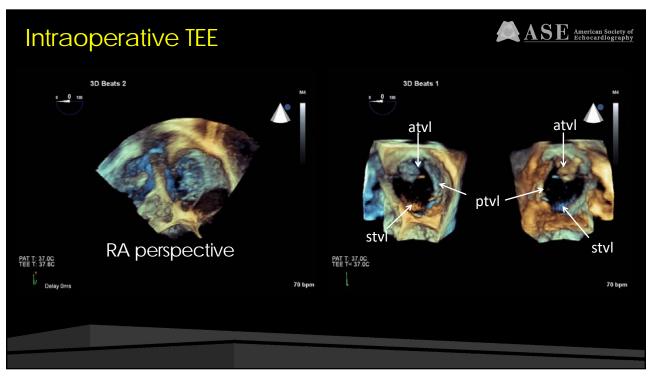


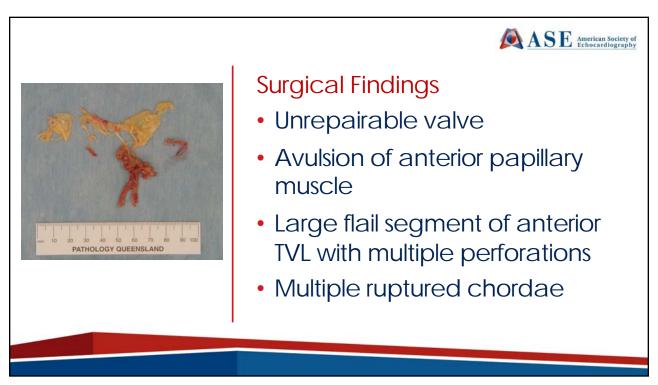


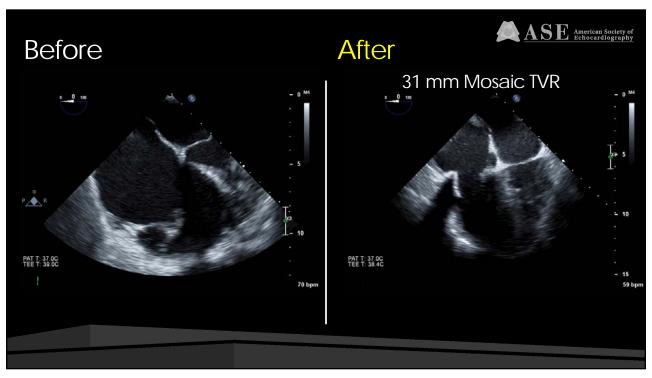


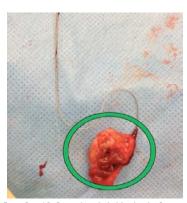












From Patel B, Daraghmeh A, Machado C. Severe tricuspid valve regurgitation requiring surgical intervention as a result of pacemaker lead extraction: a case series. J Innov Cardiac Rhythm Manage. 2014;5(2):1525–1529; With permission

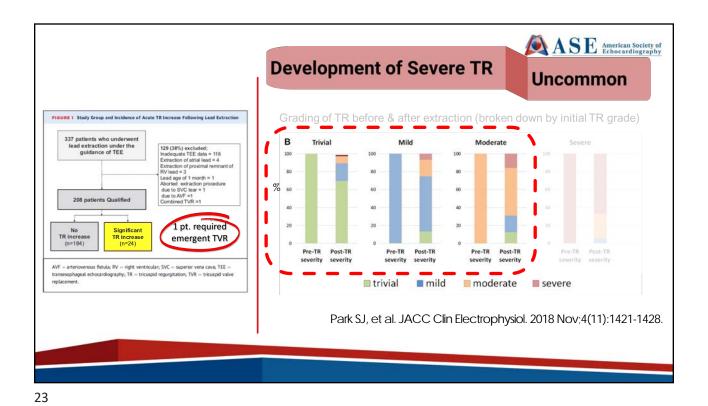
Traumatic TV injury post-lead extraction

- Incidence 3.5% to 12%
- Partial avulsion usually evident immediately after lead extraction

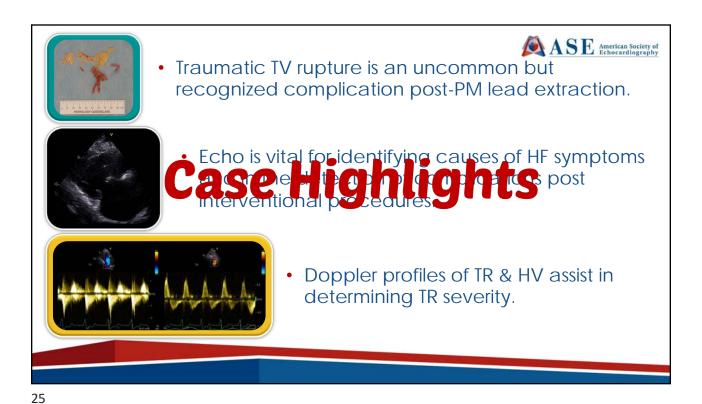
ASE American Society of Echocardiography

Requiring surgery rare

Birgersdotter-Green U, Dawood FZ. J Am Coll Cardiol. 2009 53(23):2168-74. Assayag P, et al. Pacing Clin Electrophysiol. 1999 22(6 Pt 1):971-4.



Risk Factors for Traumatic TR (post pacemaker lead removal) 2 or more ? Female Longer Leads (OR:3.36) duration (OR:4.67) (OR:1.01) sheath (OR:10.17) **Additional** tools Data from Franceschi E, et al. J Am Coll Cardiol 2009;53:2168-74



"I may have tugged a little too hard."