

with Dyspnea

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Id Man 68 Y

ear-old Man 6

8 Year-

Echo Image Conference
Lisa M Fleming

August 12, 2011

Case Presentation

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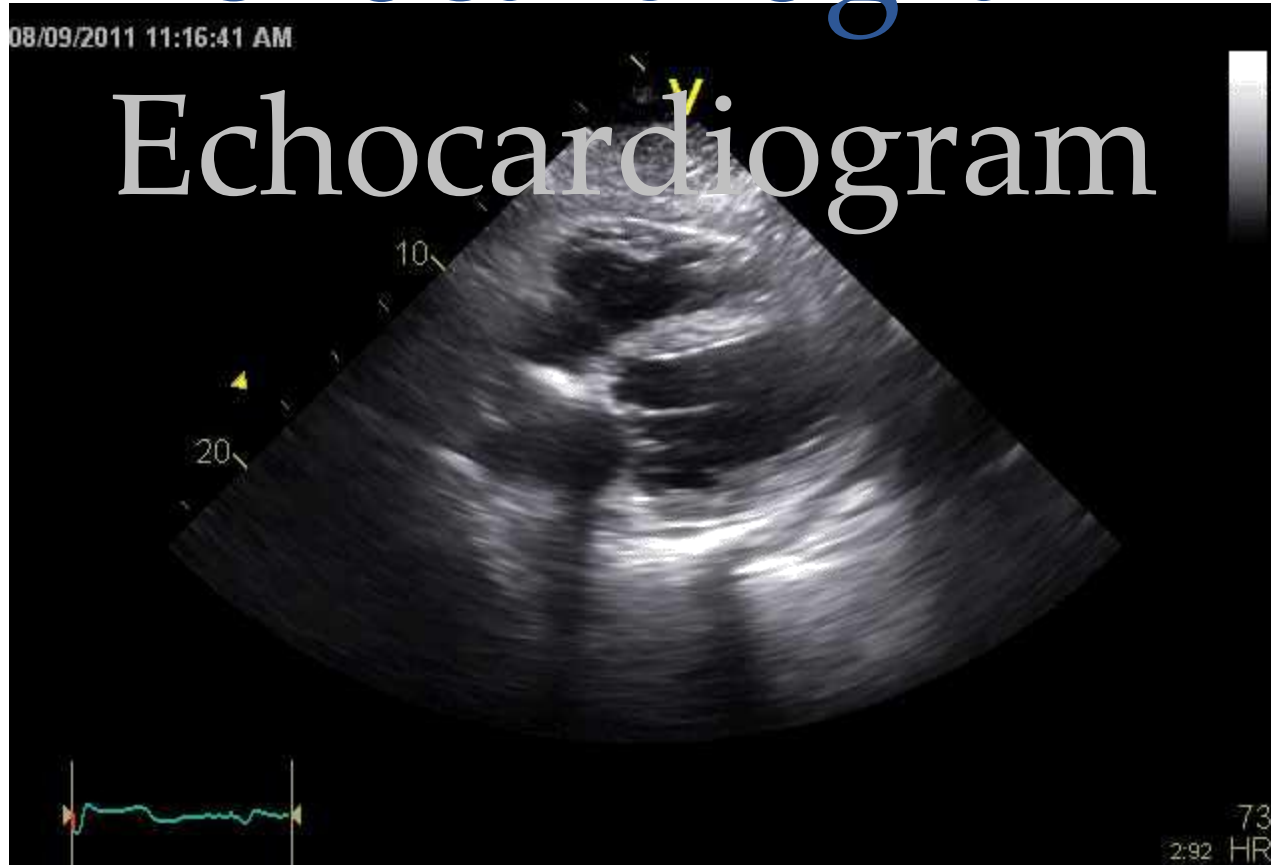
on

shortness of breath for the last 2-3 days. 68 year old male is admitted to the hospital with

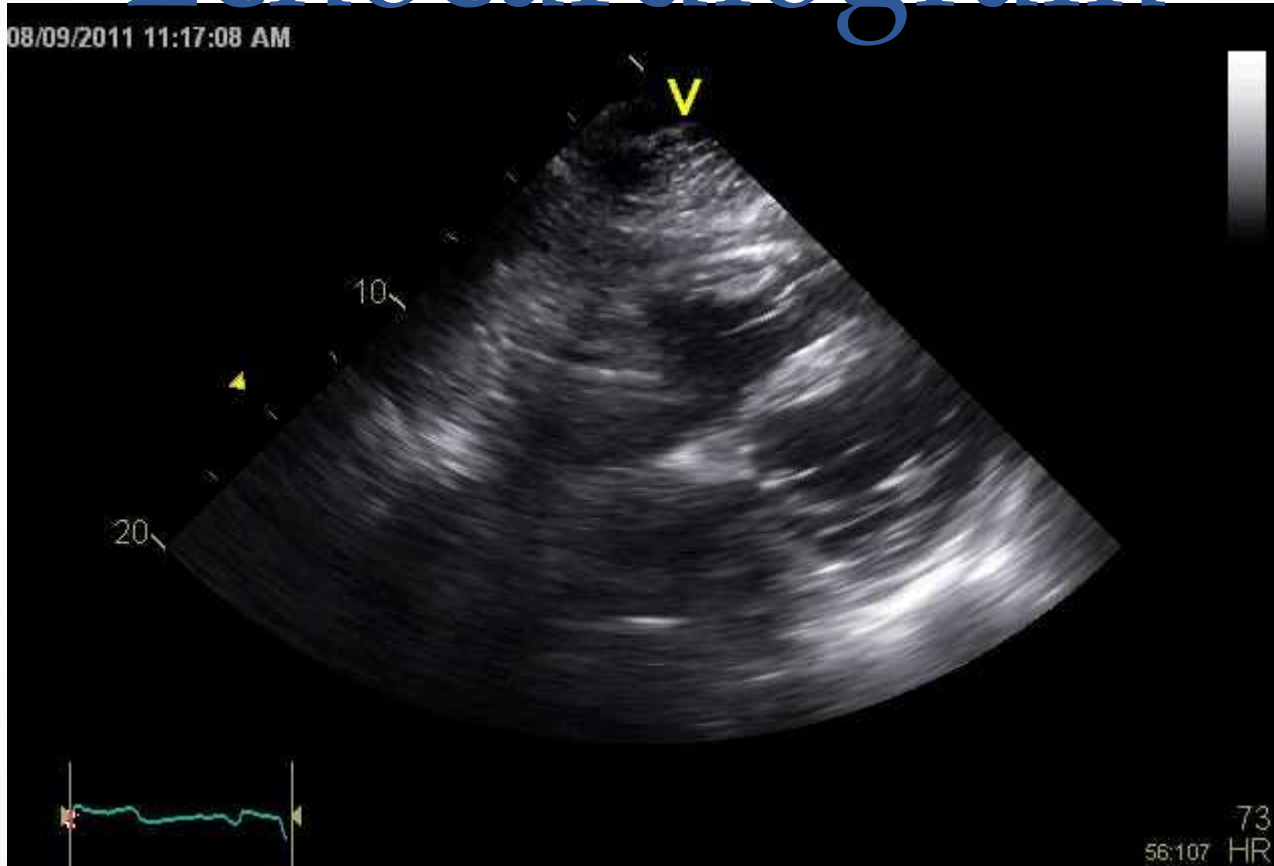
orthopnea, cough, chest pain. • ROS: Positive for paroxysmal nocturnal dyspnea,

diabetes mellitus. Hypertension. Bladder cancer.several years ago. Hypercholesterolemia. Type two •PMHx: Coronary artery disease with bypass surgery
•SHx: 30 pack-year smoking history

Echocardiogram



Echocardiogram



What is the abnormality?
What is the abnormality?

1. Atrial Myxoma
- interatrial septum
2. Lipomatous Hypertrophy of the
3. Atrial Rhabdomyoma

4. Atrial Mesothelioma

5. Atrial Fibroma

What is the Management?

1. Ablation
2. Surgical Removal
3. Holter Monitor
4. Weight Loss
5. Reassurance

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Lipomatous Hypertrophy of the Interatrial Septum

- First described in 1964 from autopsy
- Benign, non-encapsulated fat mass infiltrate interatrial septum
- Adipocytes and atypical hypertrophied myocytes
- Spares the fossa ovalis making a “dumbbell” shape
- Diagnose with Echo, CT, or MRI
- Incidence 1-8% (2.2% in study using CT)
- Increases with body mass and age

Lipomatous Hypertrophy

Lipomatous Hypertrophy

Siobhan O'Connor, Rosemary Recavarren, Lawrence C. Nichols and Anil V. Parwani (2006)
Lipomatous Hypertrophy of the Interatrial Septum: An Overview. Archives of Pathology & Laboratory Medicine. 130(3):397-399.

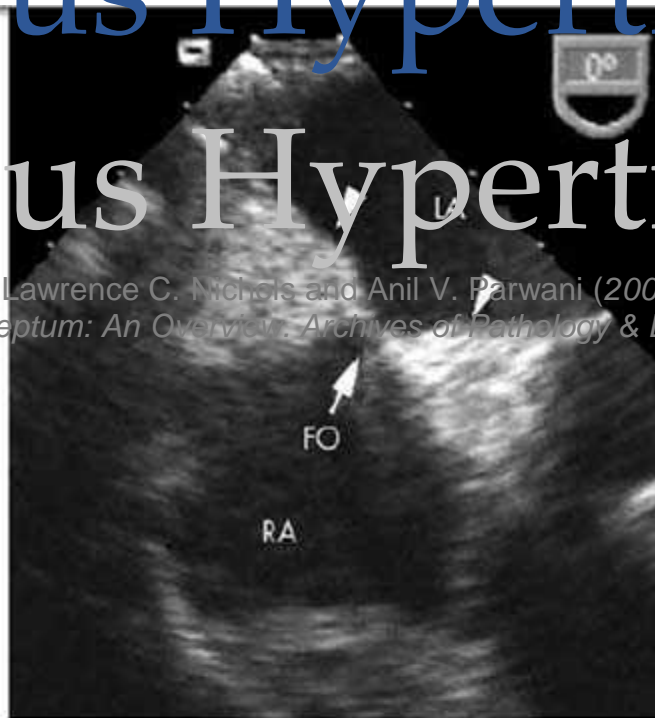


Figure 2 Transoesophageal echocardiogram at the mid-oesophageal level showing the classic hour glass shaped lipomatous hypertrophy of the intra-atrial septum (arrow heads). Note the clearly defined septal borders along with the bright echogenicity of thickened tissue, which clearly spares the fossa ovalis (FO, arrow).

Management

Management

- Occasionally cause arrhythmias requiring anti-arrhythmics
- Rarely encases vasculature and needs to be removed because of hemodynamic compromise inactivity.” {Nadra, I et al. *Heart* 2004}• “Rapid diagnosis, reassurance, and masterly

References

References

Medicine. 130(3):397-399. • Siobhan O'Connor, Rosemary Recavarren, Lawrence C. Nichols and Anil V. Parwani (2006) *An Overview. Archives of Pathology & Laboratory Lipomatous Hypertrophy of the Interatrial Septum:*
Heart 90:e66-69. • I Nadra, D Dawson, S A Schmitz, P P Punjabi, P *the interatrial septum: a commonly misdiagnosed mass often leading to unnecessary*

cardiac surgery. Nihoyannopoulos (2004) Lipomatous hypertrophy of