

# AORTIC INTRAMURAL HEMATOMA -IMH

IMH- Hemorrhage into aortic media in the absence of intimal tear

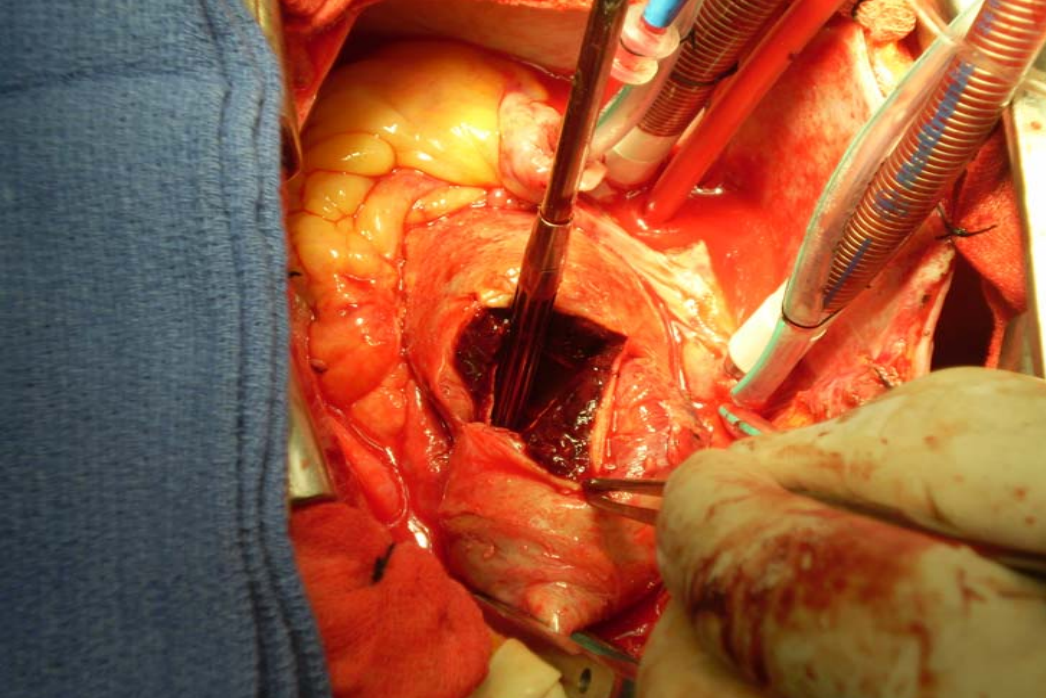
Related but distinct from aortic dissection

CT angiography, TEE, MRI increase the number of patients diagnosed

Treatment- immediate aortic dissection repair  
or timed operation

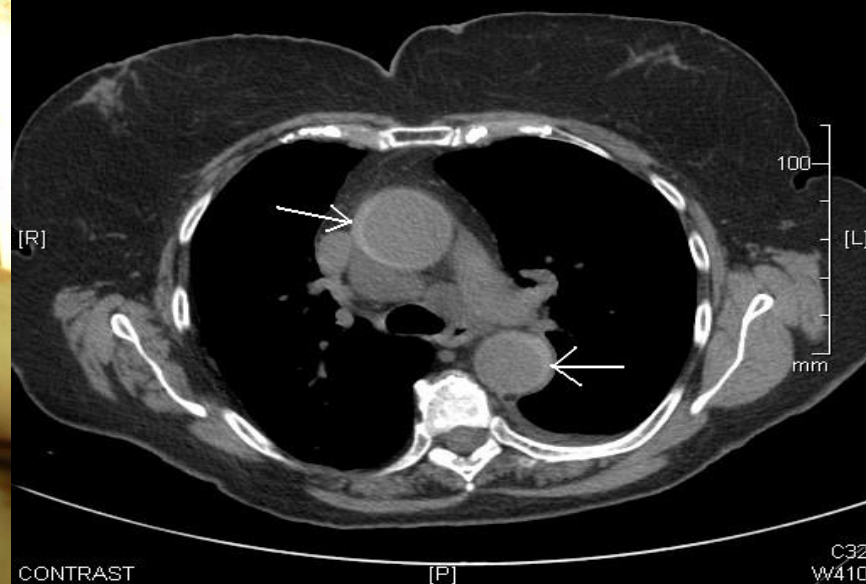
# Interest statement

No conflict of interest



Se:2  
Im:71

K.NADZDA  
Study Date:12/10/2008  
Study Time:22:44:33  
MRN:



KOSTITSKI  
NADZEDA  
310226139

PAT T: 37.0C  
TEE T <37.0C

MI:0.3  
T6H  
13 OCT 08  
13:25:40  
2/0/E/FS  
HADASSAH E.K.  
ECHO LAB  
ADULT TEE

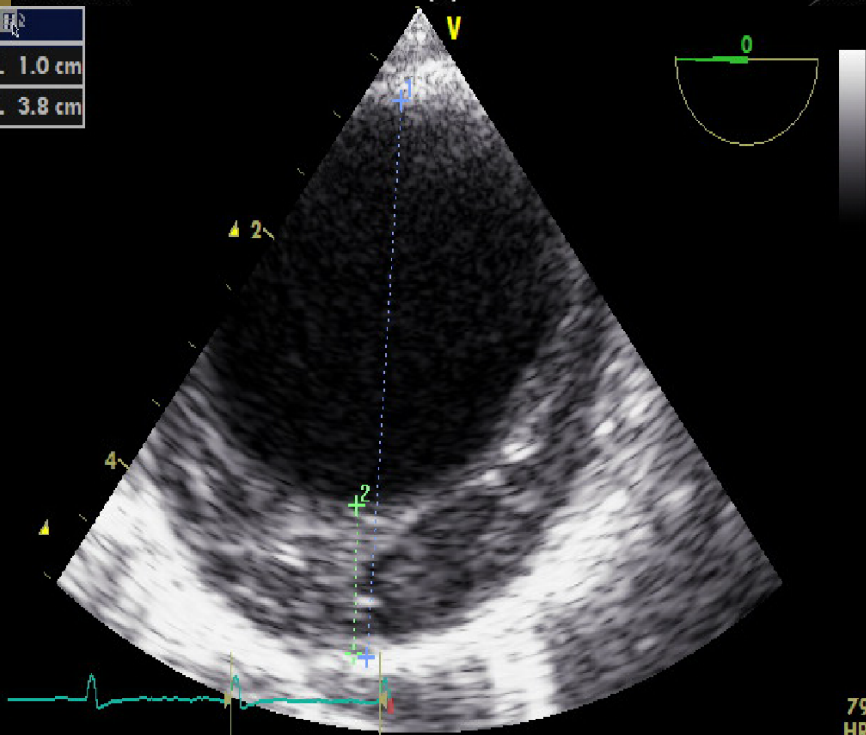
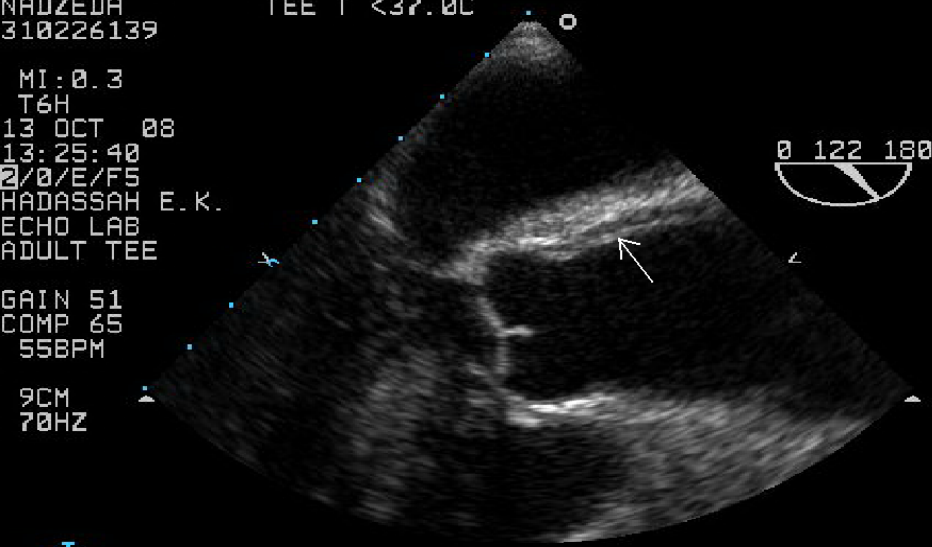
GAIN 51  
COMP 65  
55BPM

9CM  
70HZ



●	1 L 3.8 cm
●	2 L 1.0 cm

C32  
W410



79  
HR

# Patients

From Jan. 2001 to Feb. 2010

9 patients with IMH

6 males, 3 females

Mean age 64  $\pm$  10 y ( 52-80)

6 patients IMH type A

3 males, 3 females

Mean age 63  $\pm$  12 (52-80)

3 patients IMH type B, 3 males,

mean age 63  $\pm$  9 (55-73)

# Treatment

IMH type A- 6 pt.

3 patient – timed operation

1 patient immediate operation – severe AR

1 patient missed diagnosis – aortitis

1 patient conservative treatment –  
comorbidities

IMH type B- 3 pt.

2 patients conservative treatment

1 patient stent insertion –increased diameter  
of intra-mural hematoma



# Indication for operation in timed operation patient group

Pericardial effusion

Aortic valve regurgitation

Organ malperfusion

Ongoing pain despite medical treatment – BP control with I.V.

Nitroprusid, p.o. beta blockers and alpha blockers



# Results

3 patients IMH type A timed operation

21+- 33 days (1,4,60)

No perioperative death

Intermediate term follow up 3+- 0.5 y

Intact hemodynamically and neurologically

1 patient IMH type A immediate op.-sudden death after 4 mo. at home

2 patients IMH type A died while followed

# Conclusion

3 patients IMH type B

2 conservative treatment -1 left the country

1 intact

1 patient with stent died after 10 years

From AAA rupture

## **Conclusions-**

IMH type A -immediate operation

IMH type B – conservative treatment