



ACC Latin America
Conference 2017



MEXICO CITY
JUNE 22 – 24, 2017

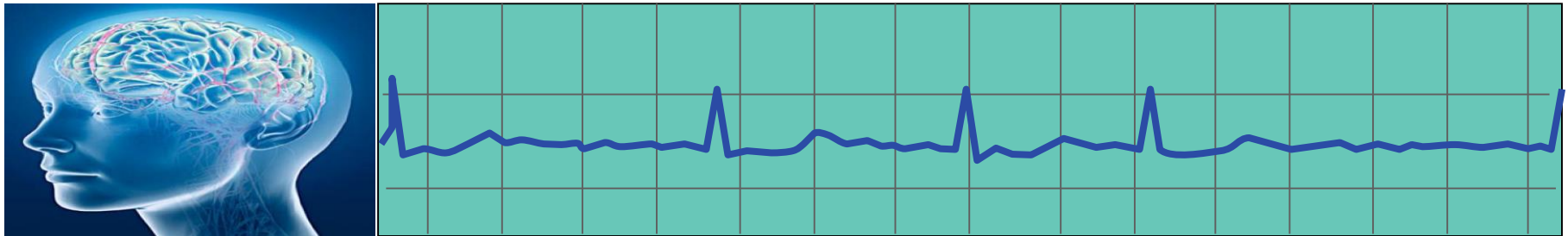
GLOBAL EXPERTS, LOCAL LEARNING



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Arrhythmias and EP

Atrial Fibrillation. Prevention, Detection, and management



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@mencardio



Conflict of interest

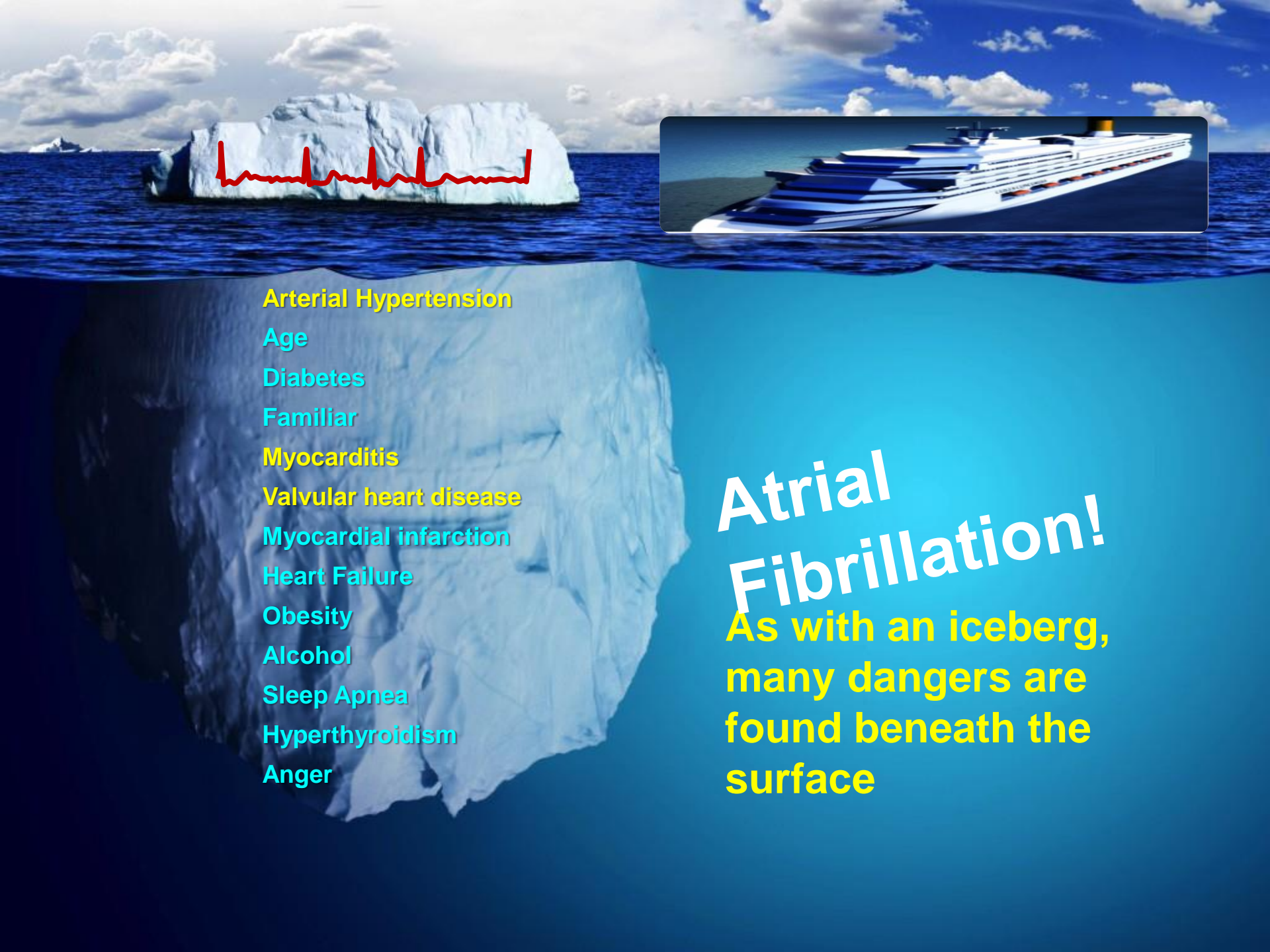
Nothing To Declare



Symptomatic AF



Asymptomatic AF



Arterial Hypertension

Age

Diabetes

Familiar

Myocarditis

Valvular heart disease

Myocardial infarction

Heart Failure

Obesity

Alcohol

Sleep Apnea

Hyperthyroidism

Anger

Atrial Fibrillation!

As with an iceberg,
many dangers are
found beneath the
surface

CONSEQUENCES OF ATRIAL FIBRILLATION

STROKE



Dementia

Heart failure

Increased mortality

Reduced quality of life

Sudden death

Cardiomyopathy

Myocardial infarction

Symptoms associated with AF

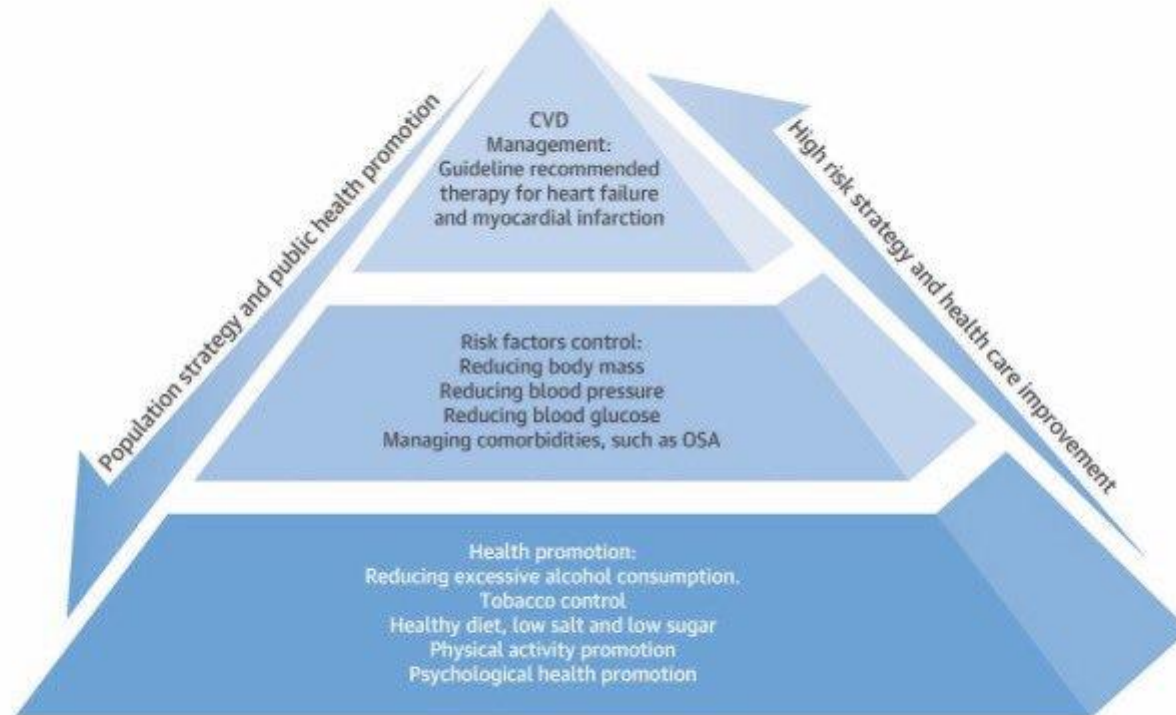
↑ Hospitalizations

Prevention of AF



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CENTRAL ILLUSTRATION: Possible Preventability of Atrial Fibrillation



Du, X. et al. J Am Coll Cardiol. 2017;69(15):1968-82.

Du, X. et al. J Am Coll Cardiol. 2017;69(15):1968-82.

Acute Atrial fibrillation is a complication of?



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- a) Orally-acquired Acute Chagas disease.
- b) Dengue
- c) Chikungunya
- d) Zika
- e) All of them

Vote!



14 year-old- boy with fever, palpitations,
facial edema and dyspnea



TRANSMISSION OF CHAGAS DISEASE

- Vectorial
- Oral
- Transfusion
- Congenital
- Transplant



Arbovirus infection

Atrial fibrillation

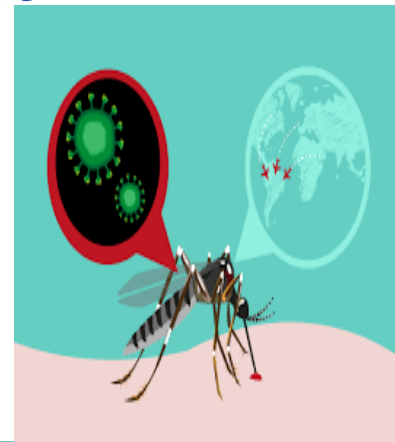


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The explosive pandemic of **arbovirus infection** throughout the world is considered a public health problem.

Cardiovascular involvement in Zika is a fact

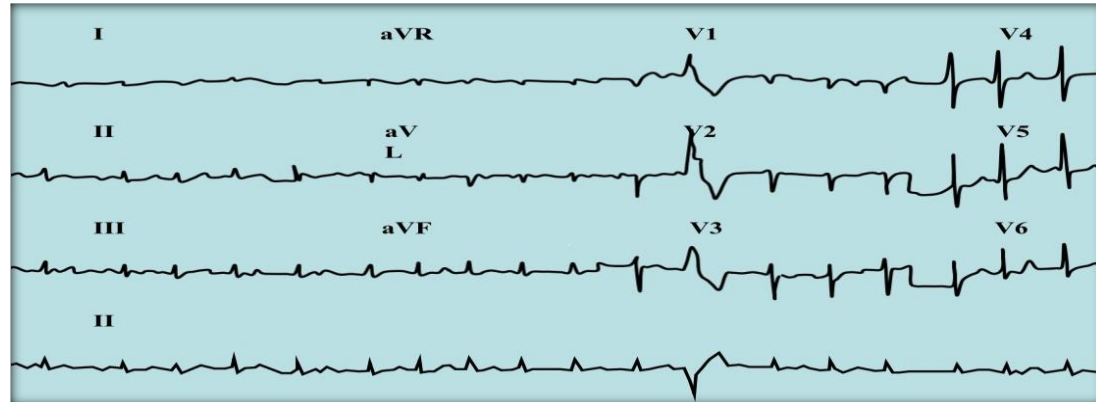
Atrial fibrillation (AF) is considered rare in Chikungunya and Dengue.



62 ♂

palpitations & dyspnea

5 days after the onset of Zika



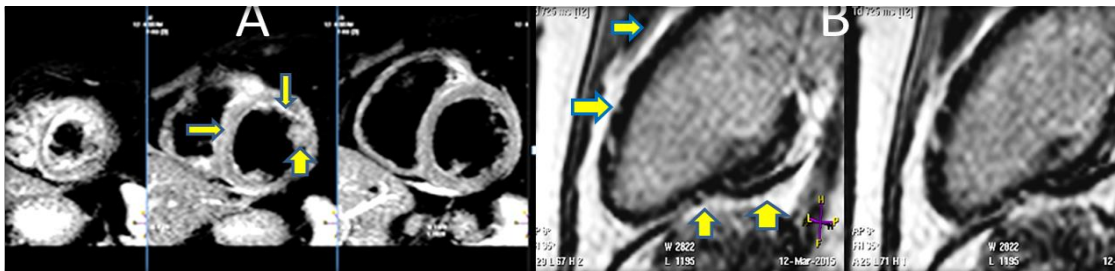
70 ♂

Acute AF

On day 7 of Chikungunya



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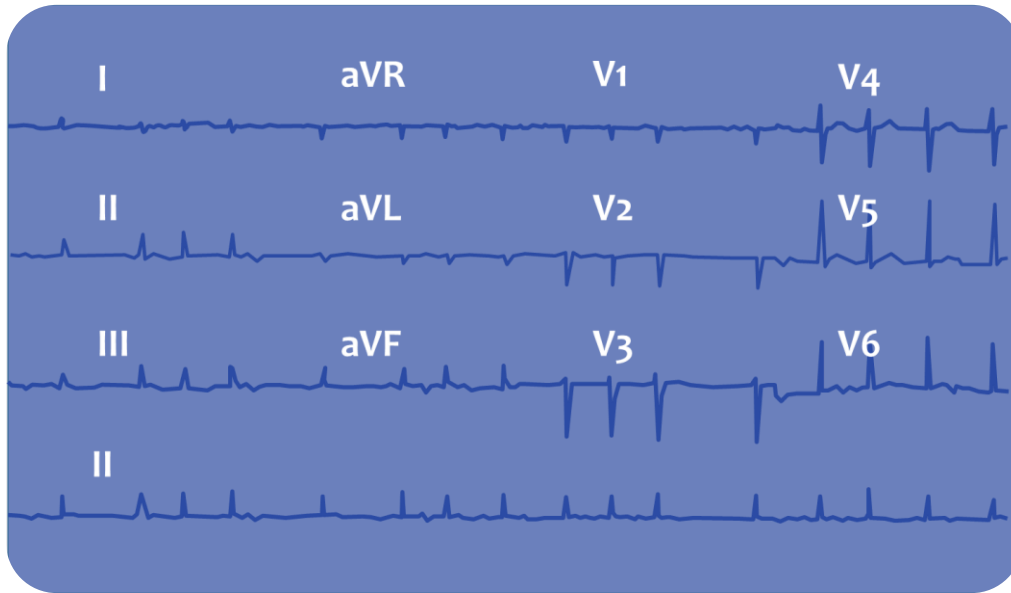


29 ♂

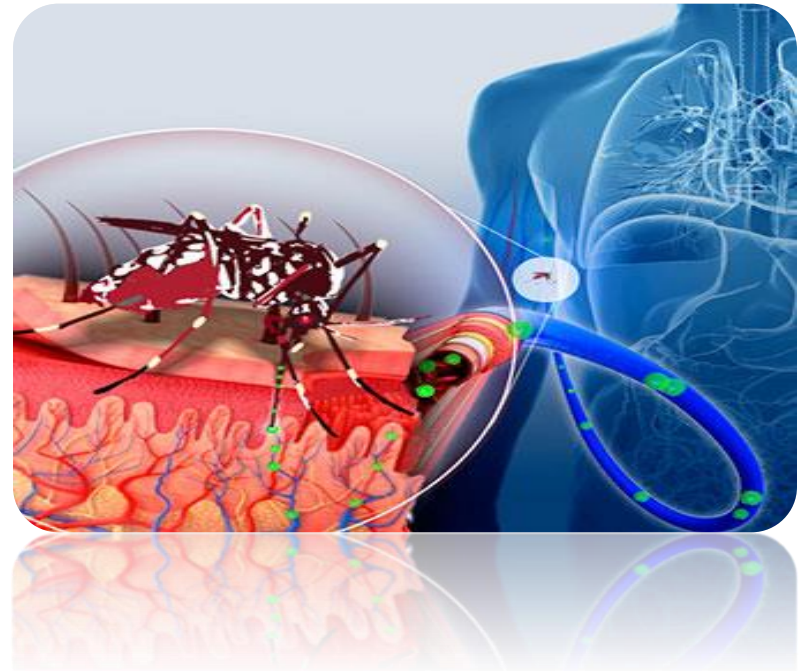
developed acute AF on day 8 of
Dengue illness



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Dengue illness



In relationship with Dengue and AF, which is true?

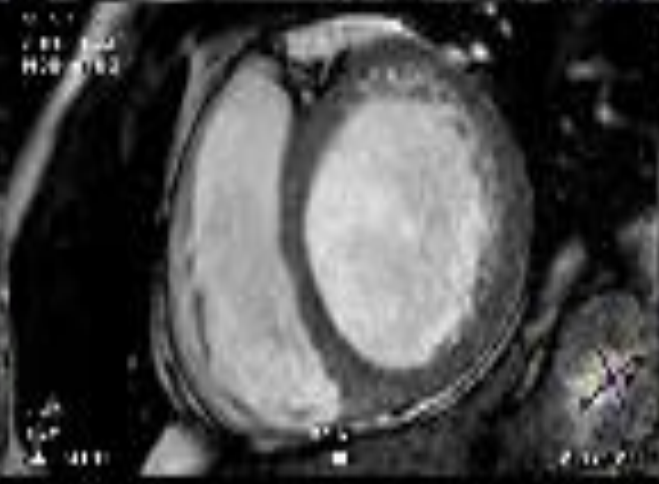
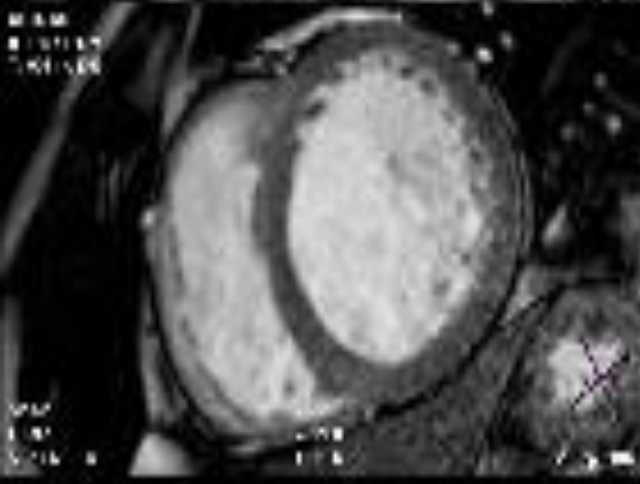
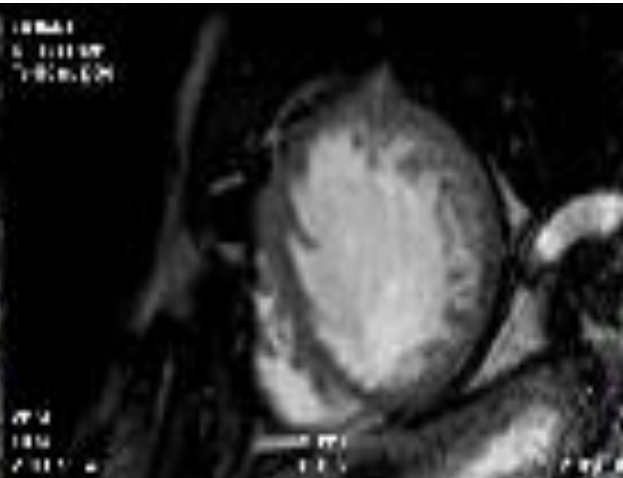


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- a) Oral anticoagulation is contraindicated in all cases.
- b) Heparin is the first choice of anticoagulation
- c) AF is usually preceded by heart failure.
- d) Amiodarone is contraindicated
- e) None of the above

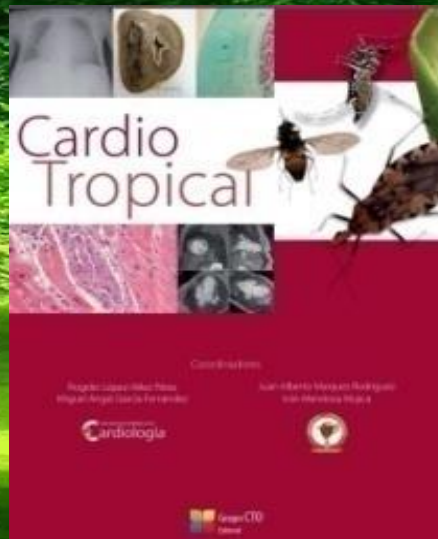
vote!







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Thank you
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