

Fisiopatologia da Fibrilação Atrial

Dr. Bráulio Pinna

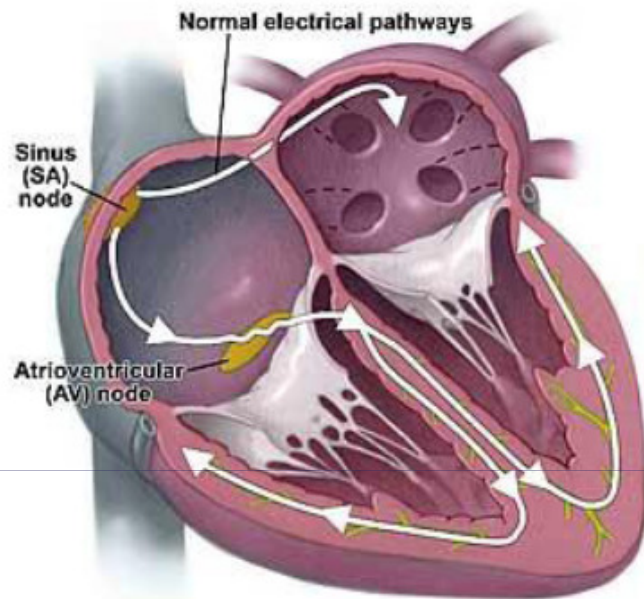


10 a 13 de maio de 2017
Bahia Othon Palace

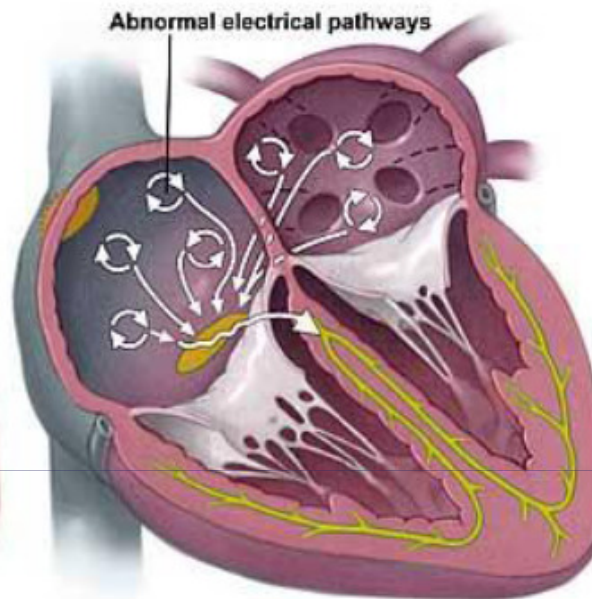
**Declaro que não tenho conflitos
de interesse**

Considerações

- Corações normais
- Corações patológicos



RITMO SINUSAL



FIBRILAÇÃO ATRIAL



É a arritmia mais frequente.

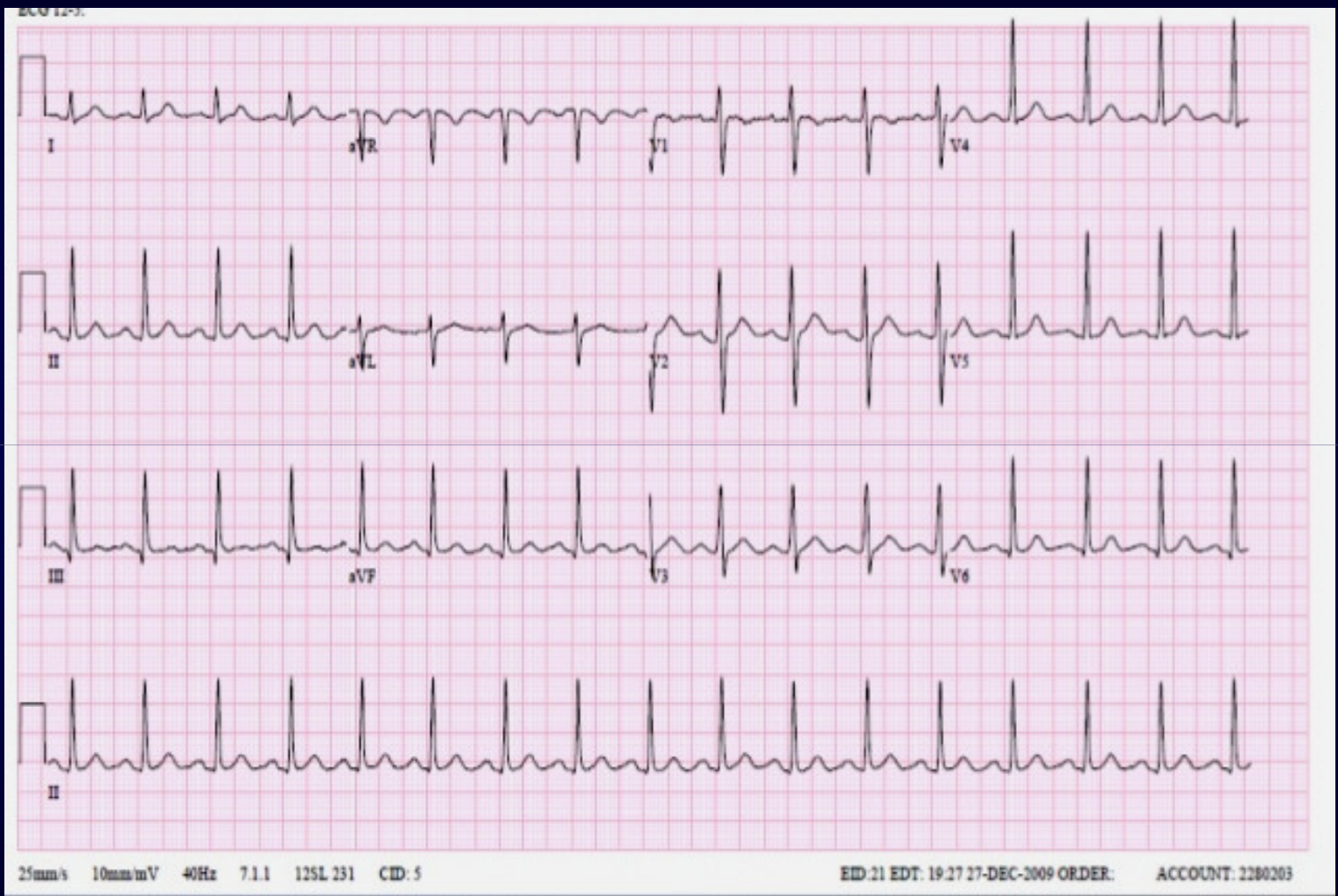
A mais fácil de diagnosticar e...

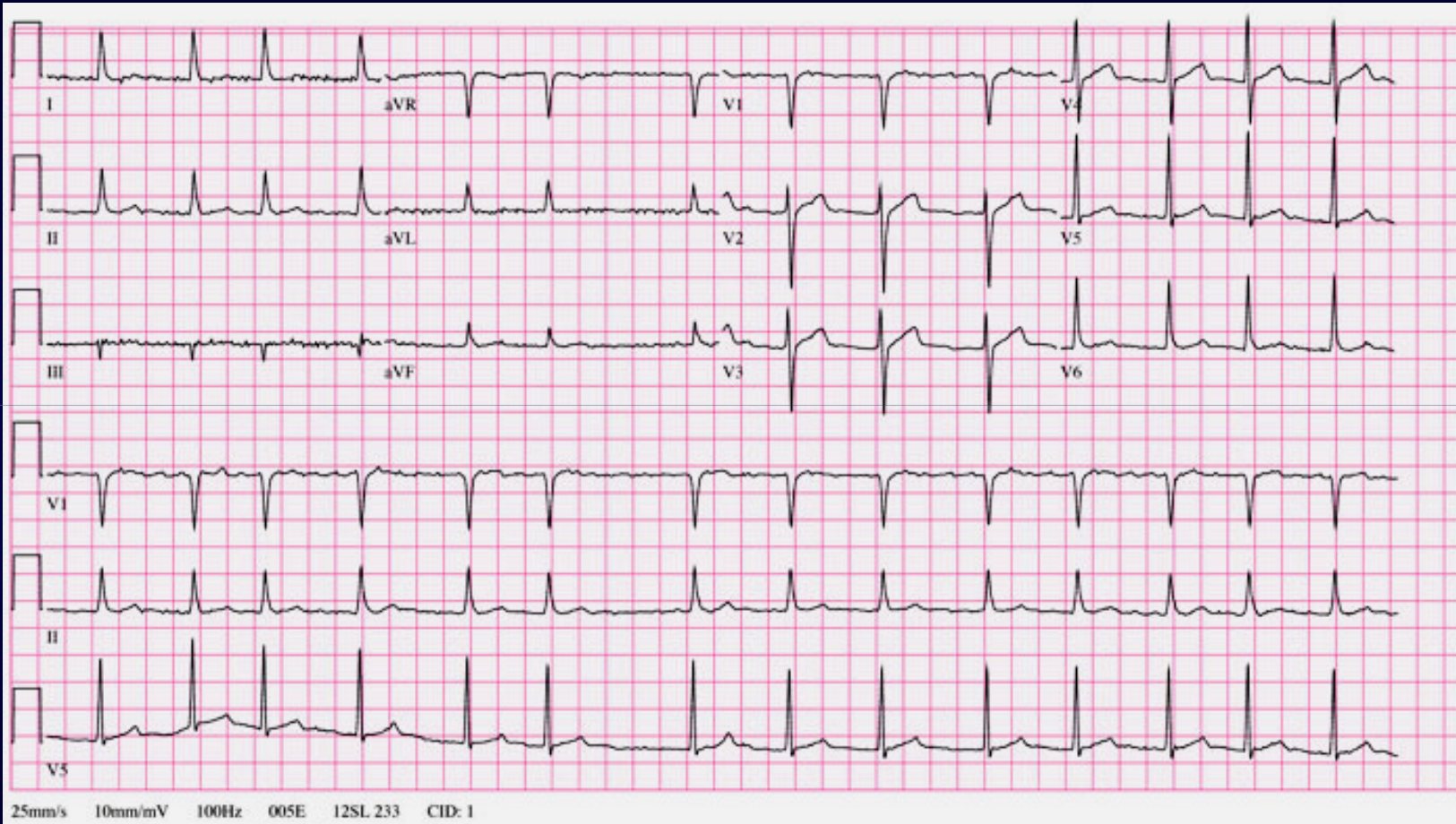
A mais difícil de tratar.

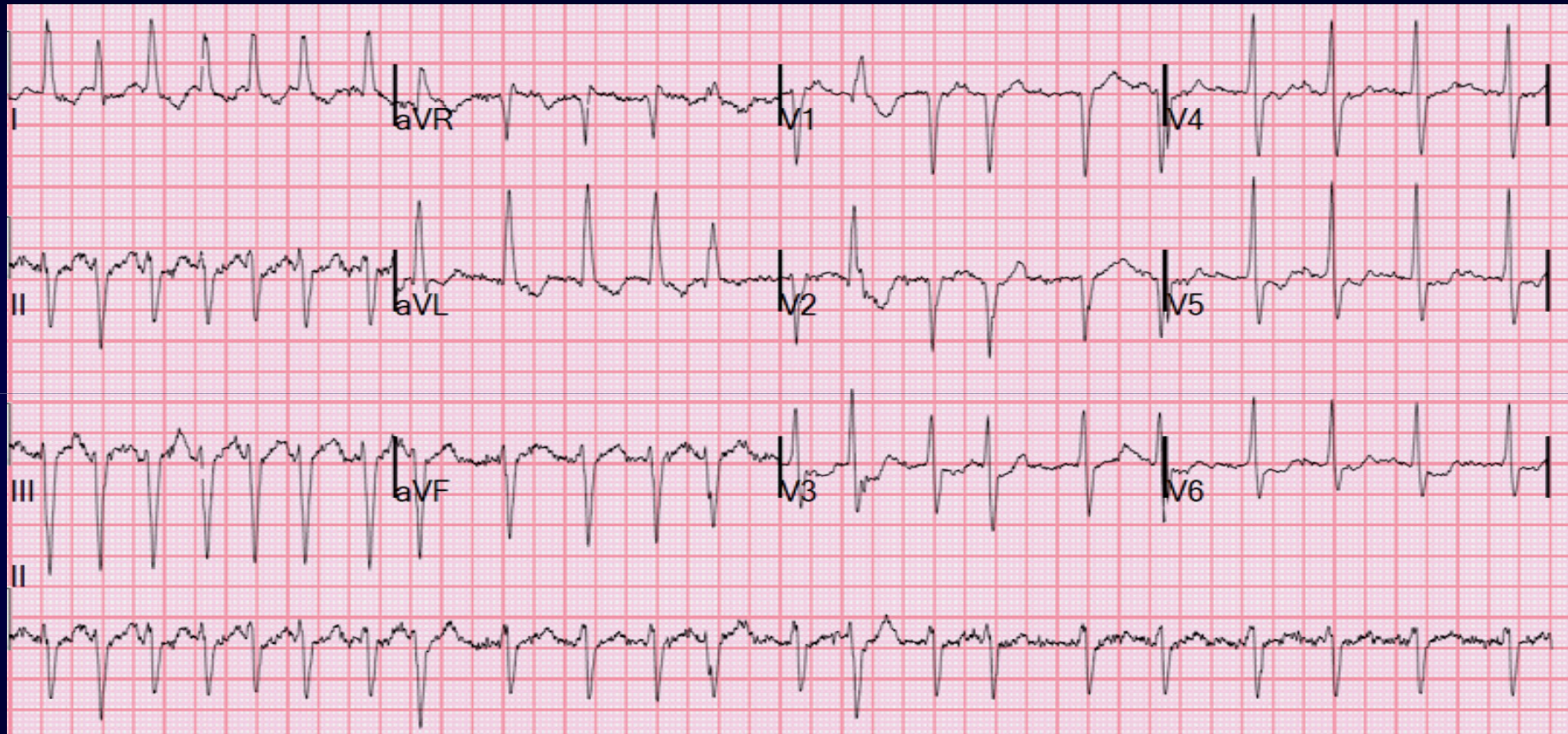


wiseGEEK

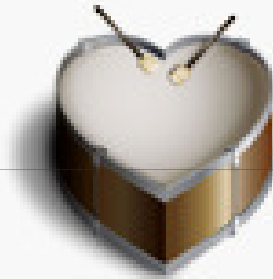








AFib Feels Like...



...DRUMS
POUNDING
IN MY CHEST.

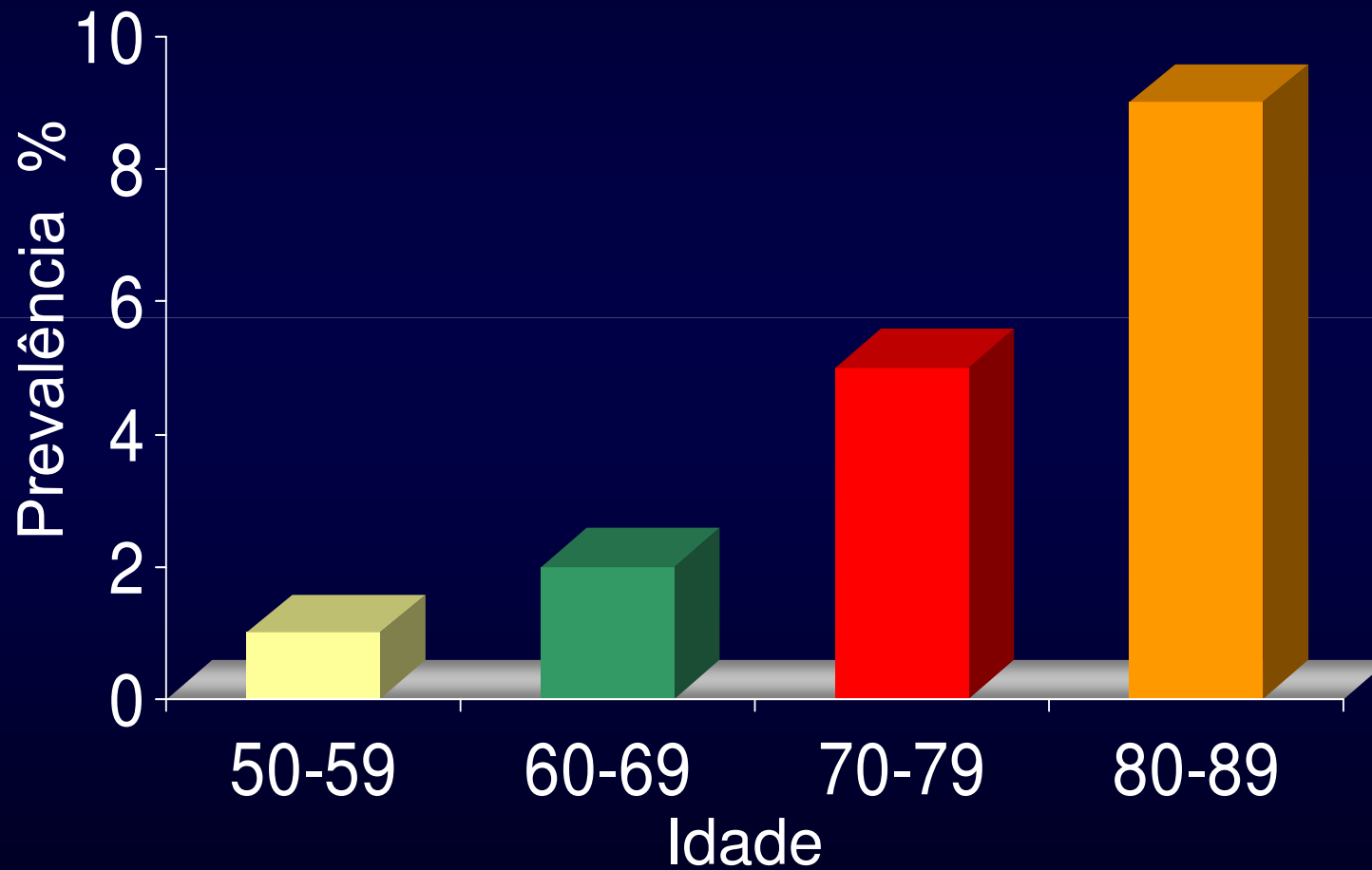


...THUNDER
RUMBLING
IN MY CHEST.



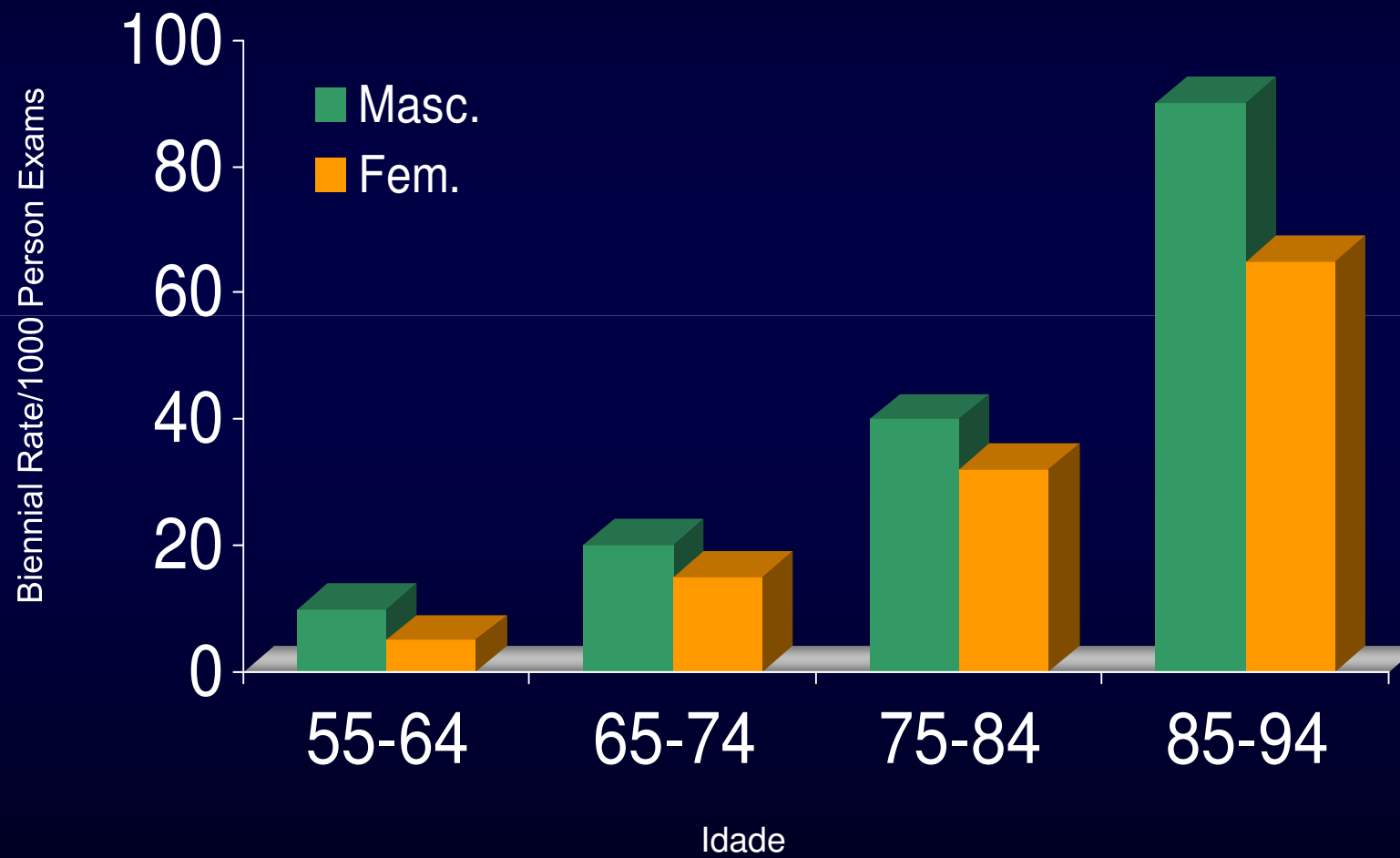
...FISH
FLOPPING
IN MY CHEST.

PREVALÊNCIA DA F.A. POR DÉCADA DE IDADE ESTUDO DE FRAMINGHAN



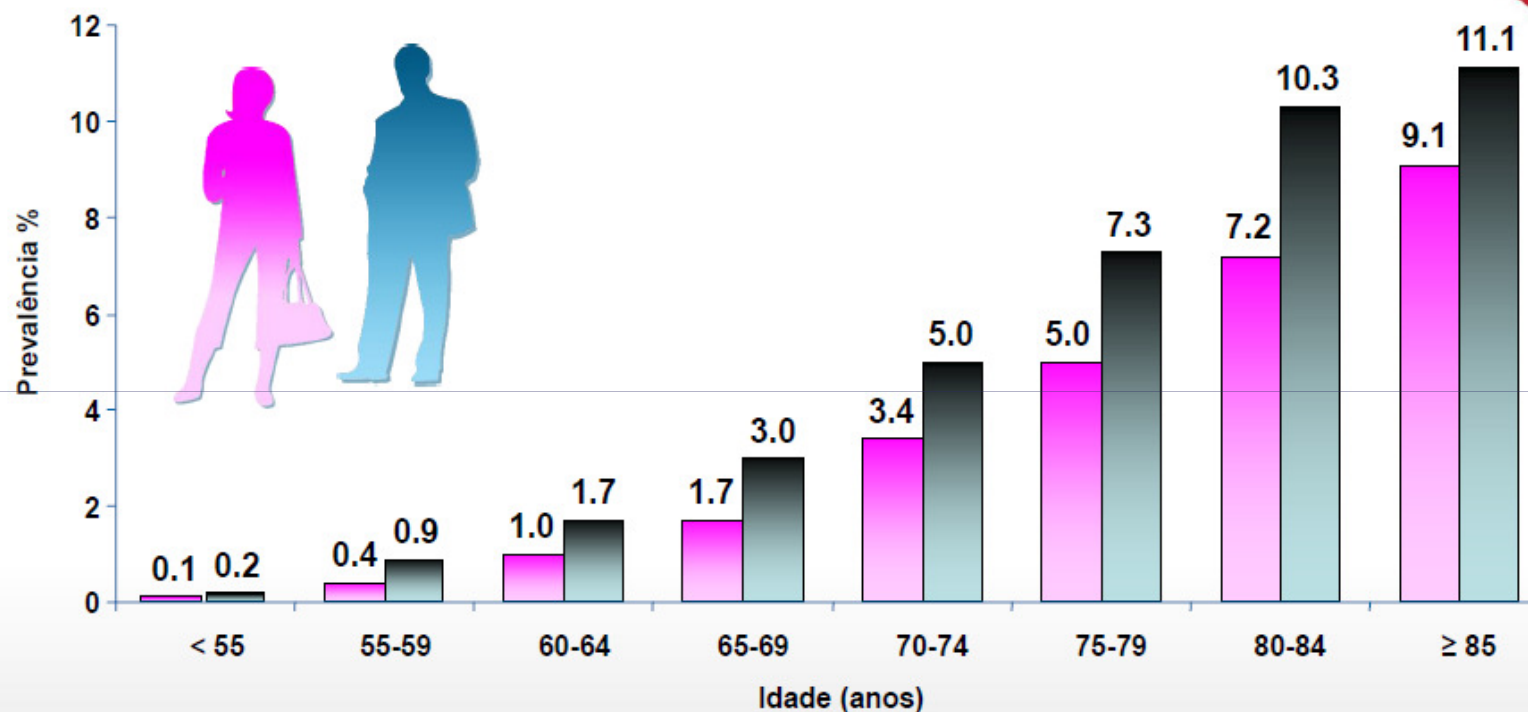
Am. J. Cardiol. 82: 3N, 1998

INCIDÊNCIA DE FA - ESTUDO DE FRAMINGHAM



JAMA 271: 840-44, 1994

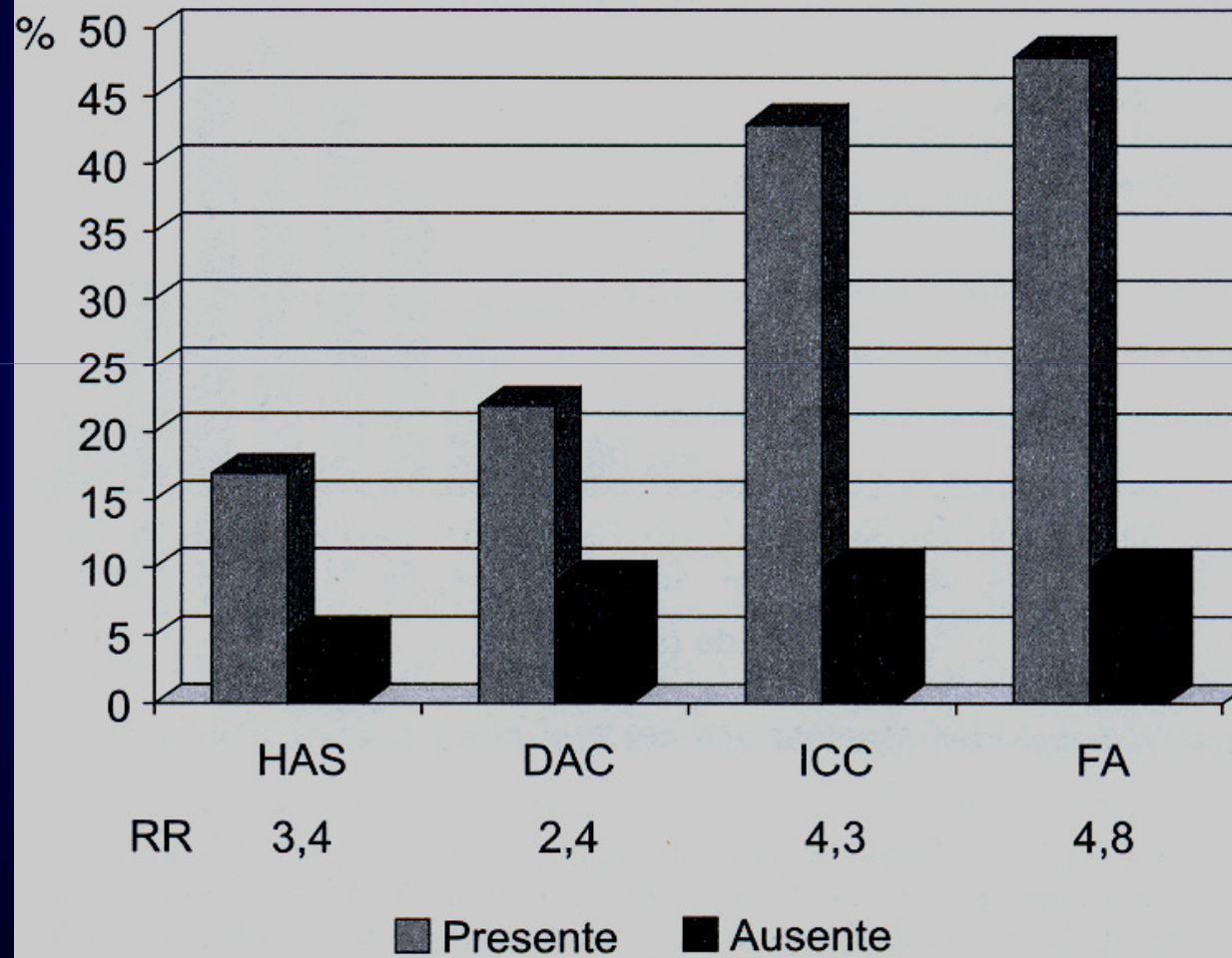
Prevalência da FA aumenta com a Idade



**A FA afeta 1 em cada 25 adultos >60 anos e 1 em cada 10 adultos >80 anos
O risco de ter FA em algum momento da vida é de quase 1 em cada 4 indivíduos**

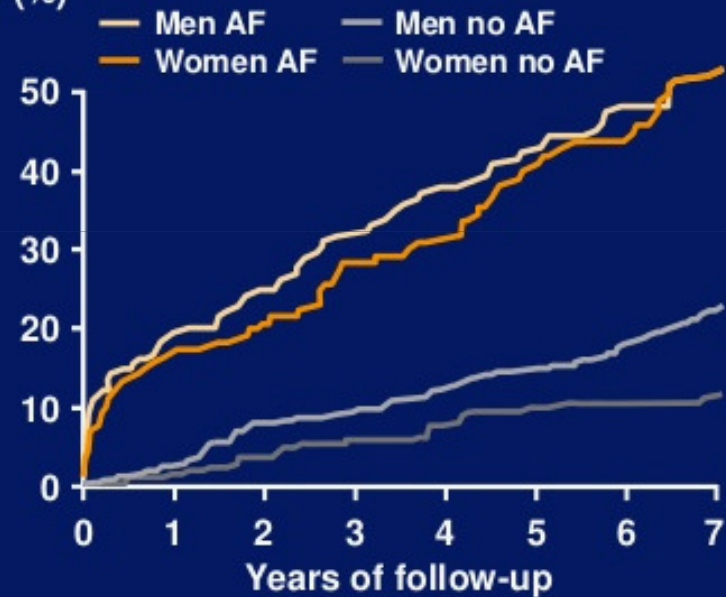
Go AS. et al. JAMA 2001;285:2370-2375. / Heeringa J et al. Eur Heart J 2006;27:949-53

Fibrilação atrial e AVC isquêmico
Framingham: 1948 a 1982
Incidência de AVC/1.000/2 anos

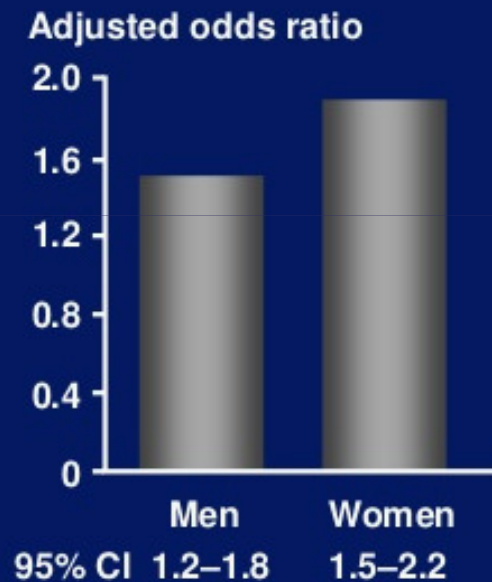


Atrial fibrillation increases mortality

Subjects dead in follow-up (%)



Odds ratio for death

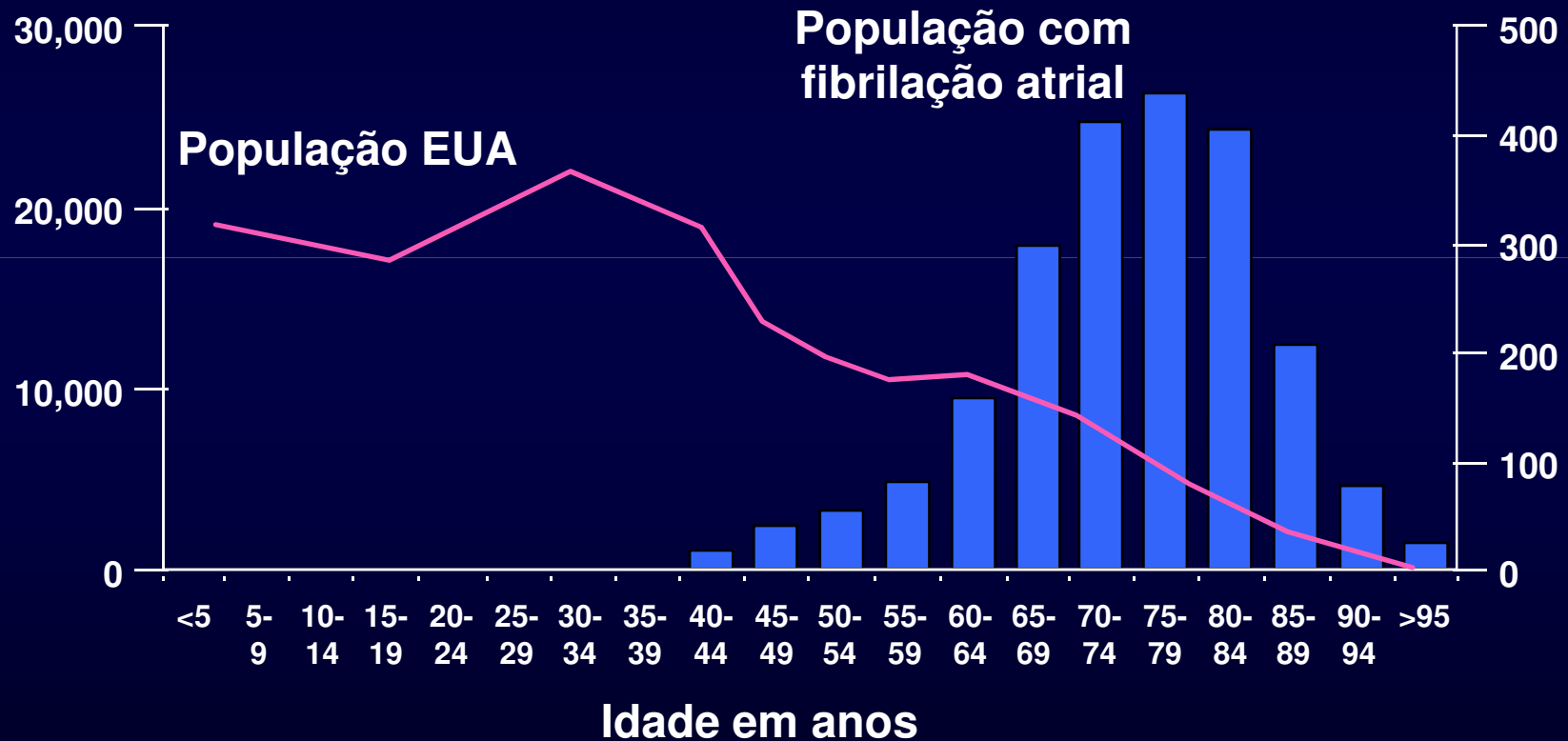


Benjamin EJ et al. *Circulation* 1998;98:946–52

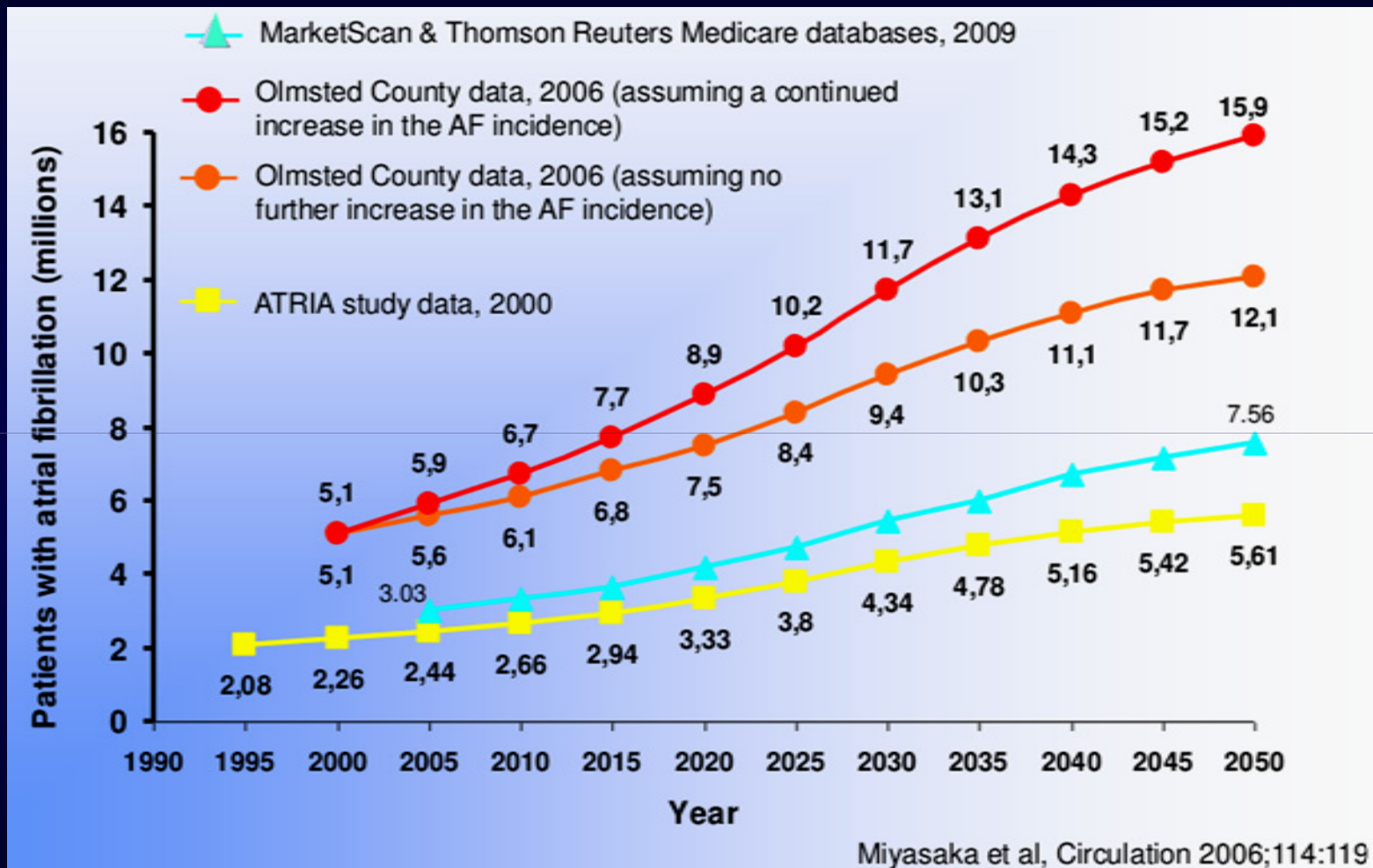
Distribuição da Demográfica da Fibrilação Atrial por Idade

População EUA
x 1000

População com FA
x 1000

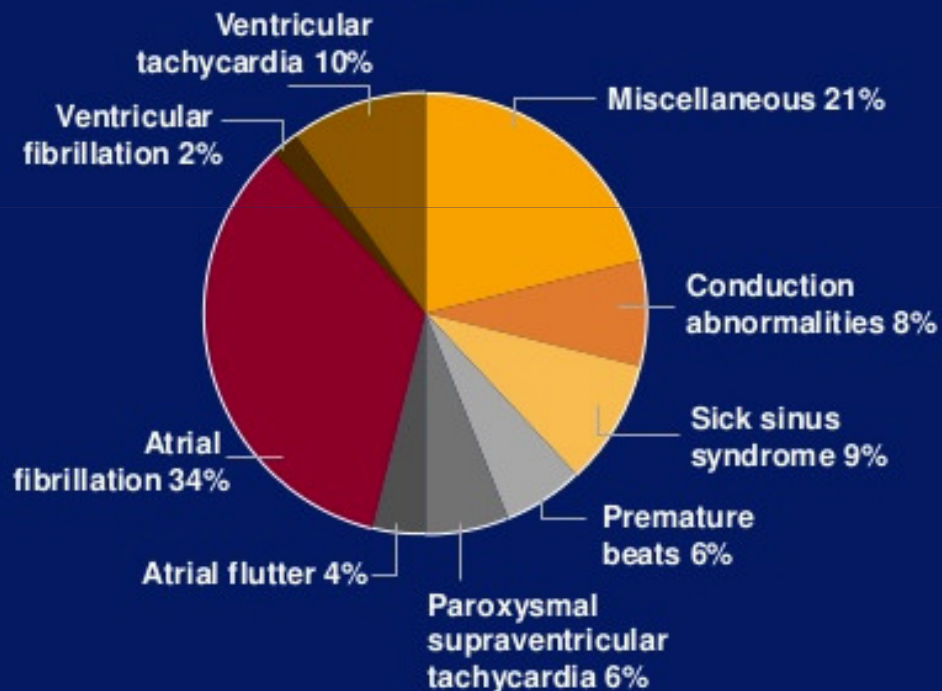


Feinberg WM. Arch Intern Med. 1995;155:469-473.



Atrial fibrillation Epidemiology

Arrhythmia-related hospitalisations in the US



- The most prevalent sustained rhythm disorder
- Accounts for 1/3 of hospitalisations due to cardiac rhythm disturbances
- Estimated prevalence in USA 2.2 and worldwide 5.5 million

What causes atrial fibrillation?

A

Alcohol

T

Thyroid disease

R

Rheumatic heart disease

I

Ischaemic heart disease

A

Atrial myxoma

L

Lung (pulmonary embolism)

P

Phaeochromocytoma

I

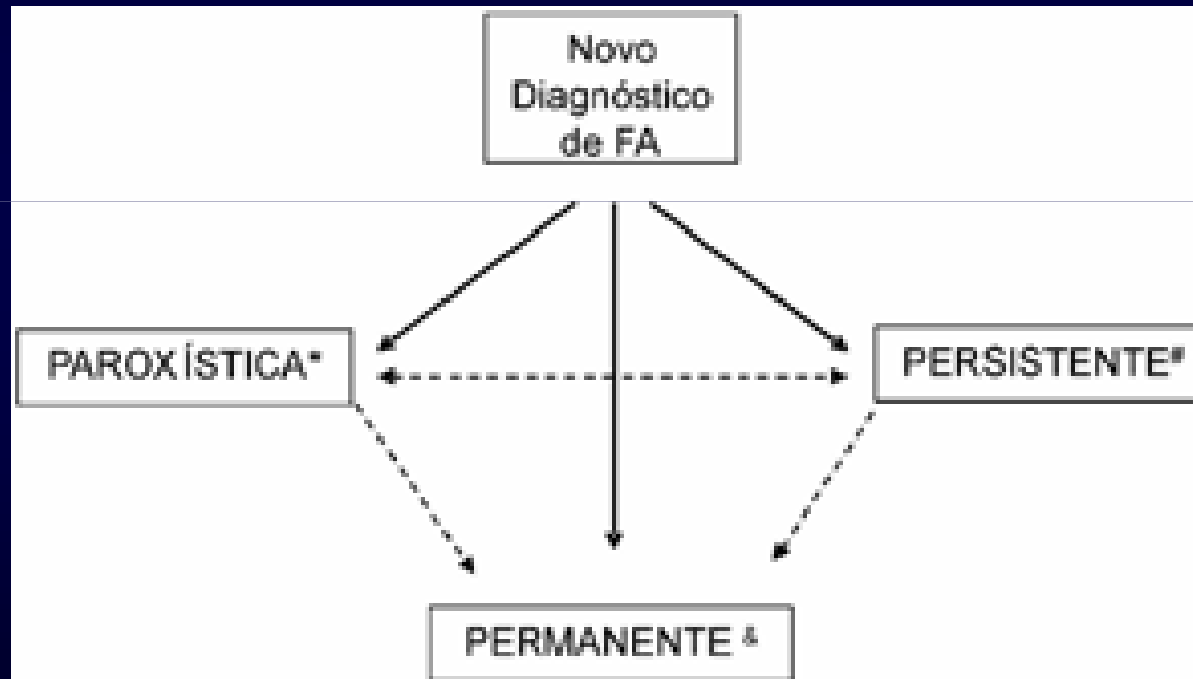
Idiopathic

B

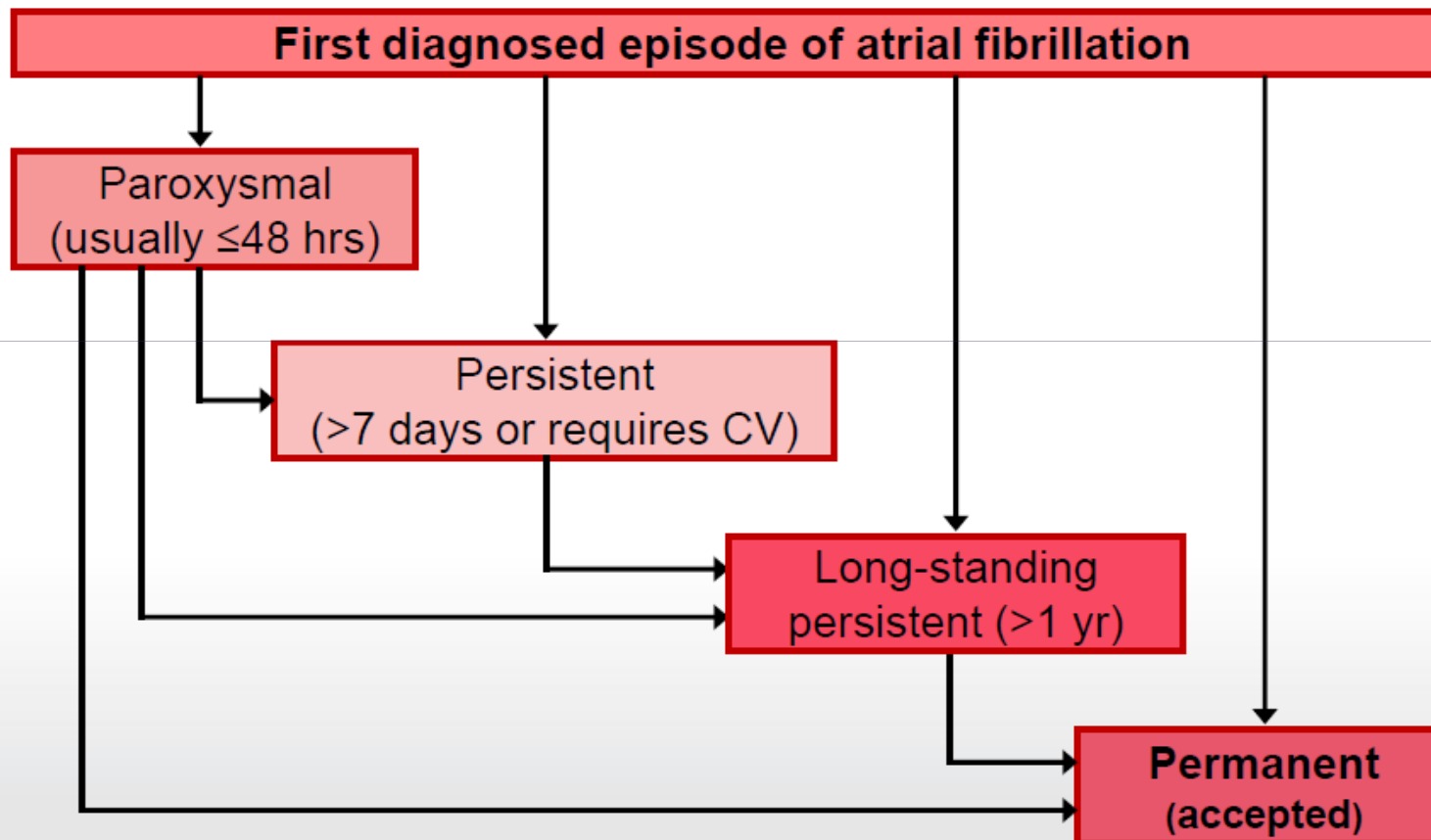
Blood pressure (hypertension)

Other causes are known

Diretrizes Brasileiras de Fibrilação Atrial

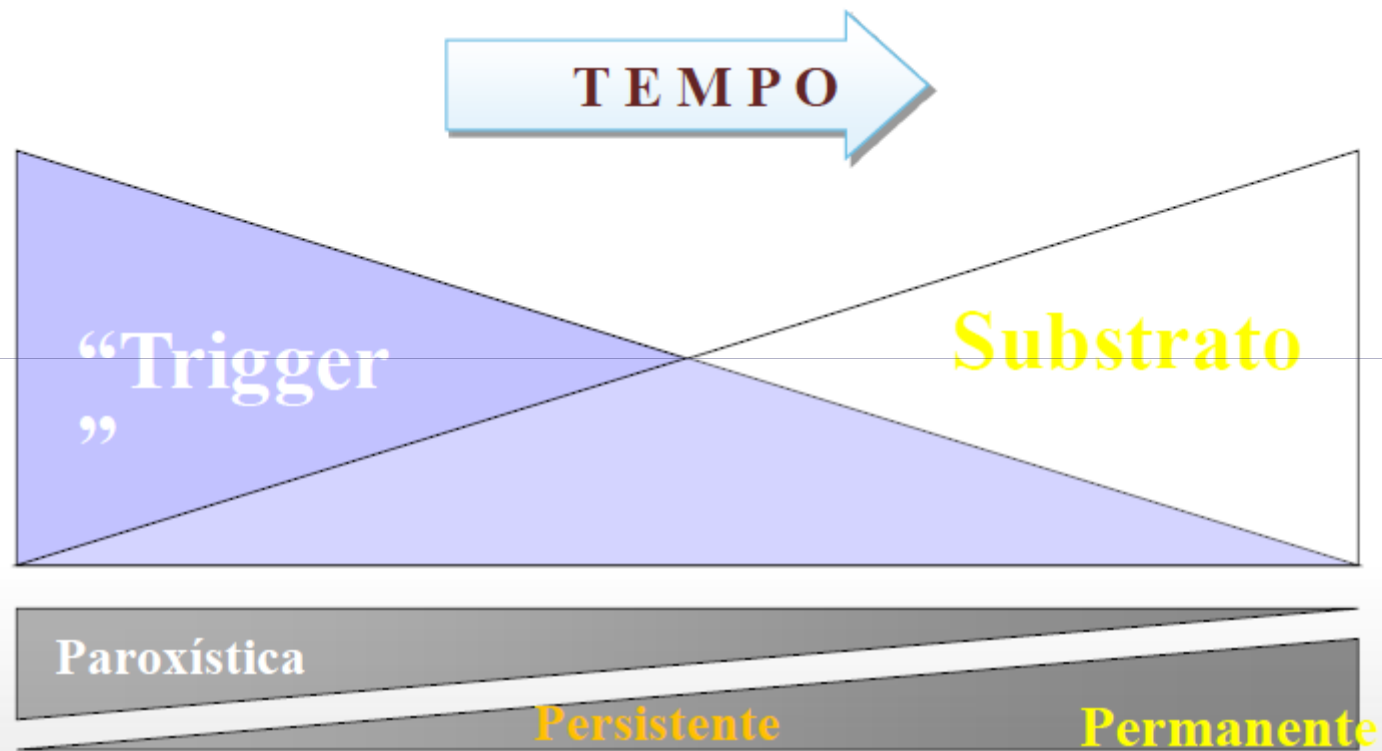


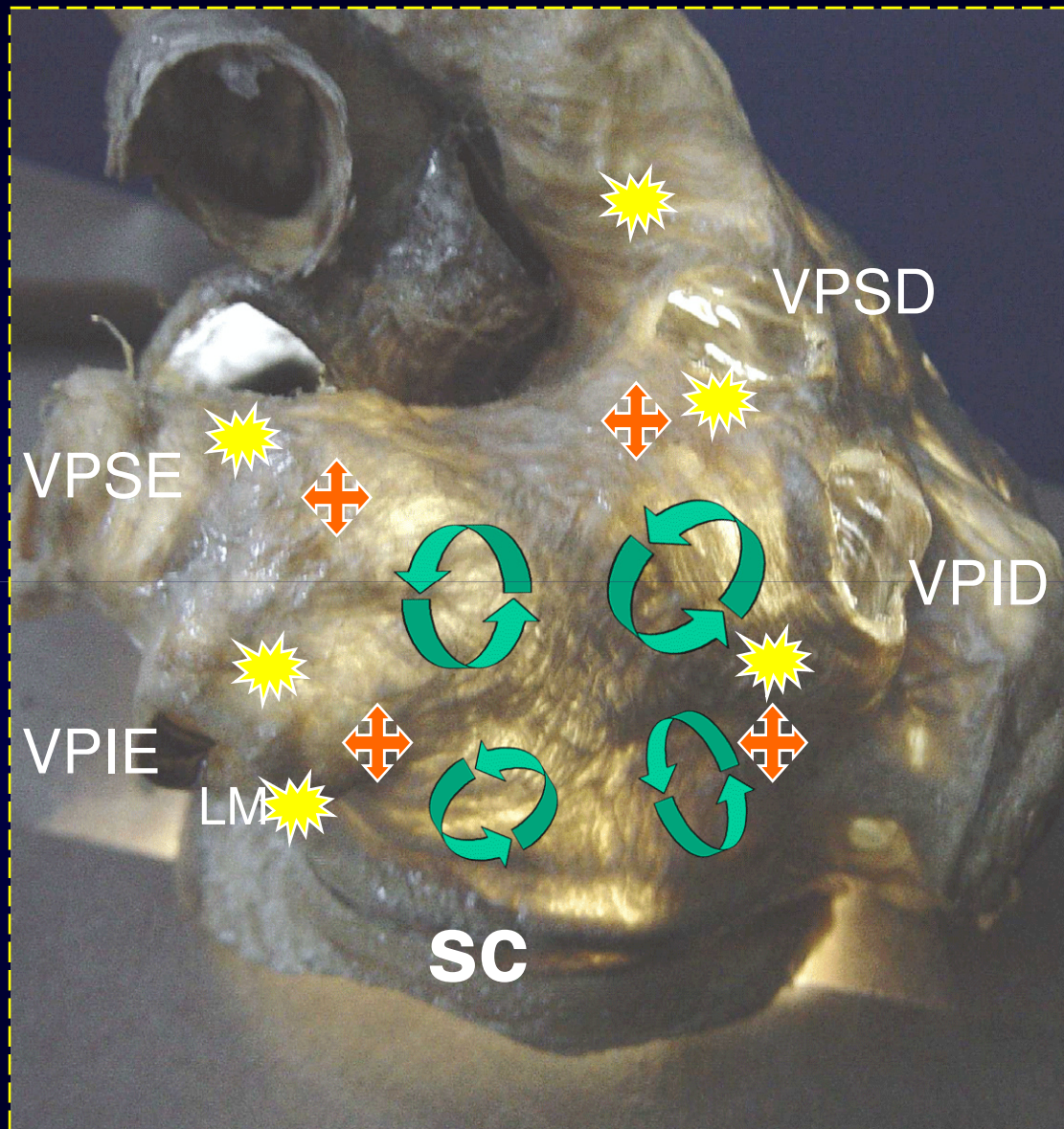
Classification of 5 types of AF: ESC guidelines 2010



CV = cardioversion ESC guidelines: Camm J et al. Eur Heart J 2010; 31:2369–429

A Fibrilação Atrial é uma doença lentamente progressiva



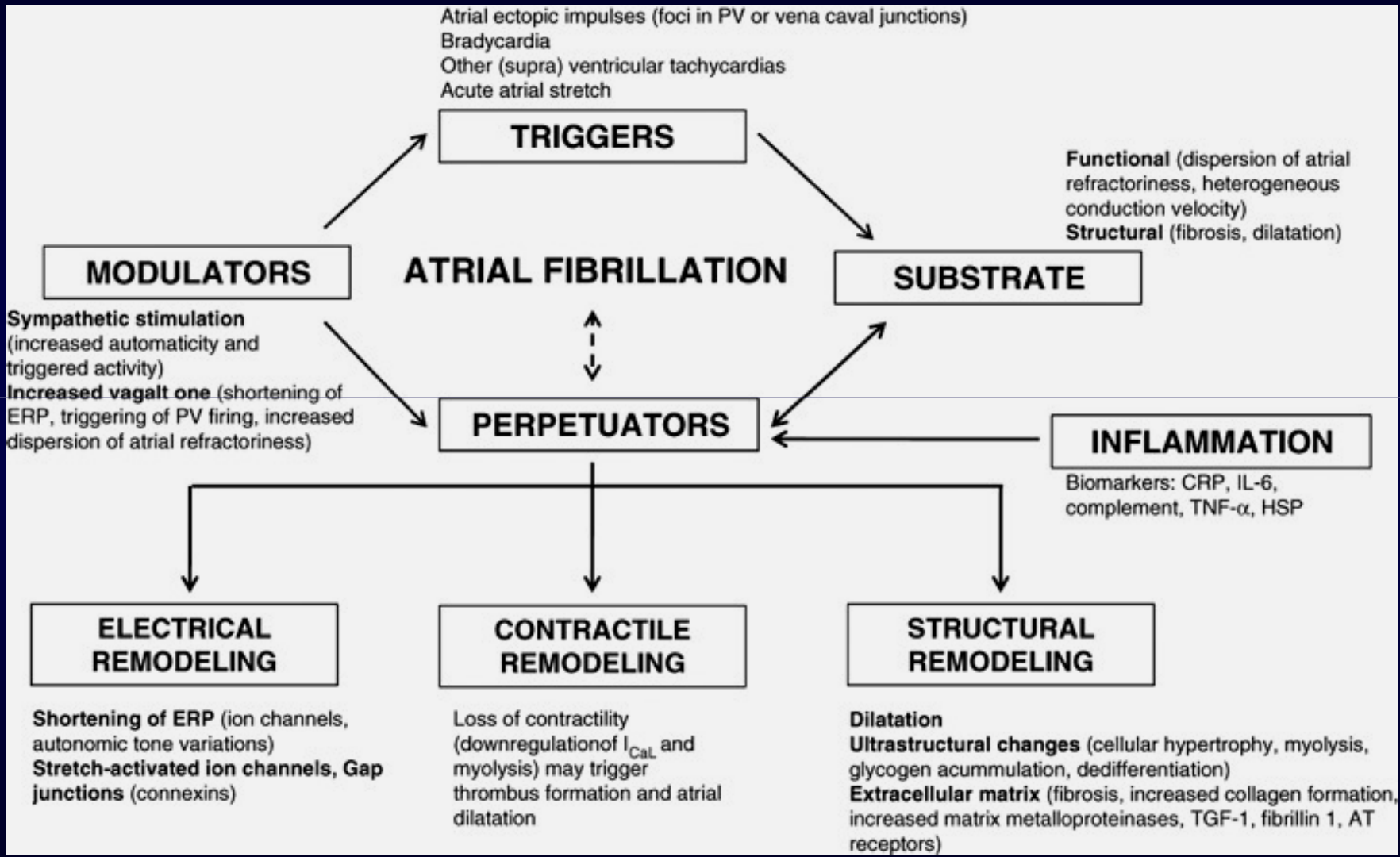


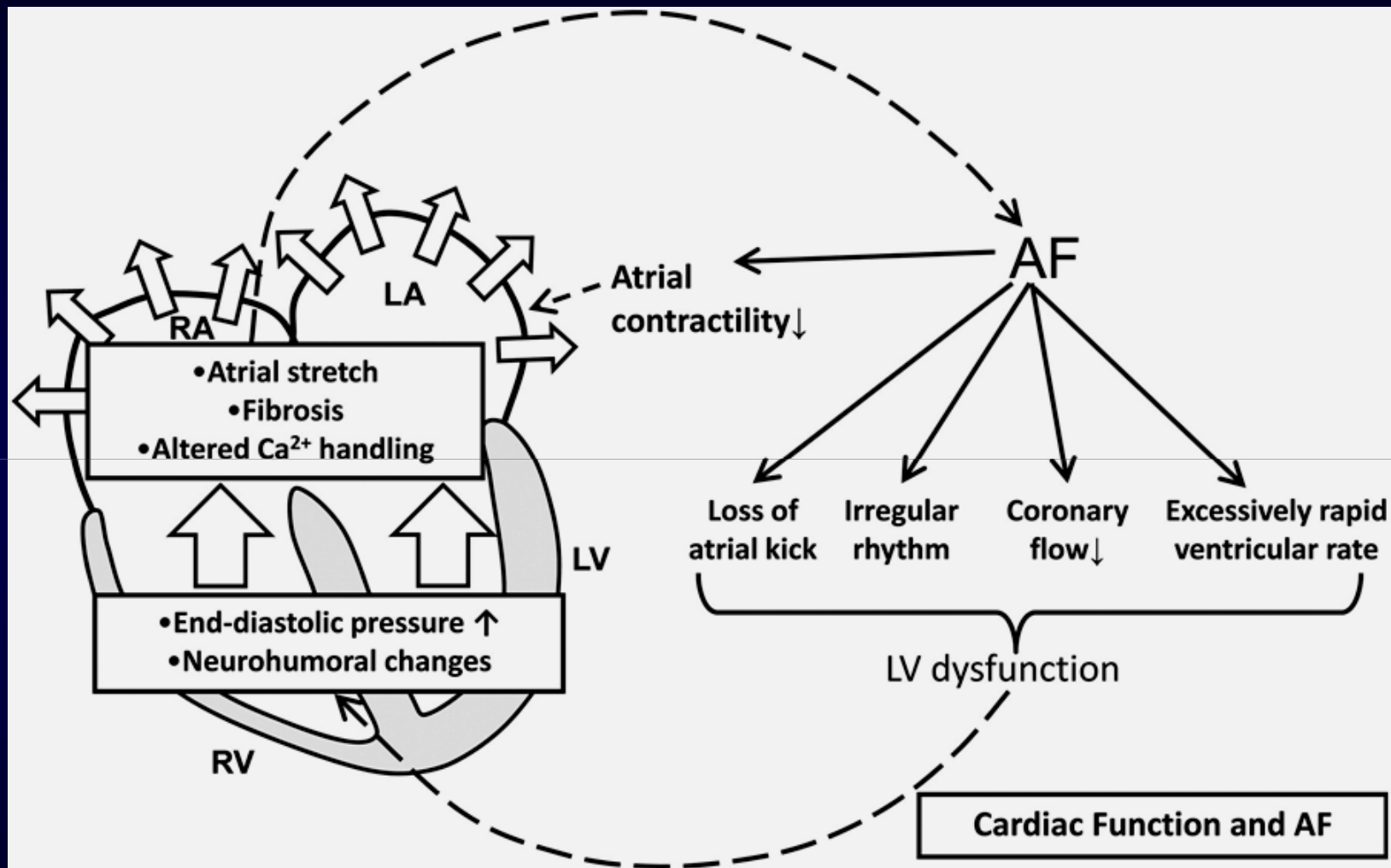
MECANISMOS DA FA

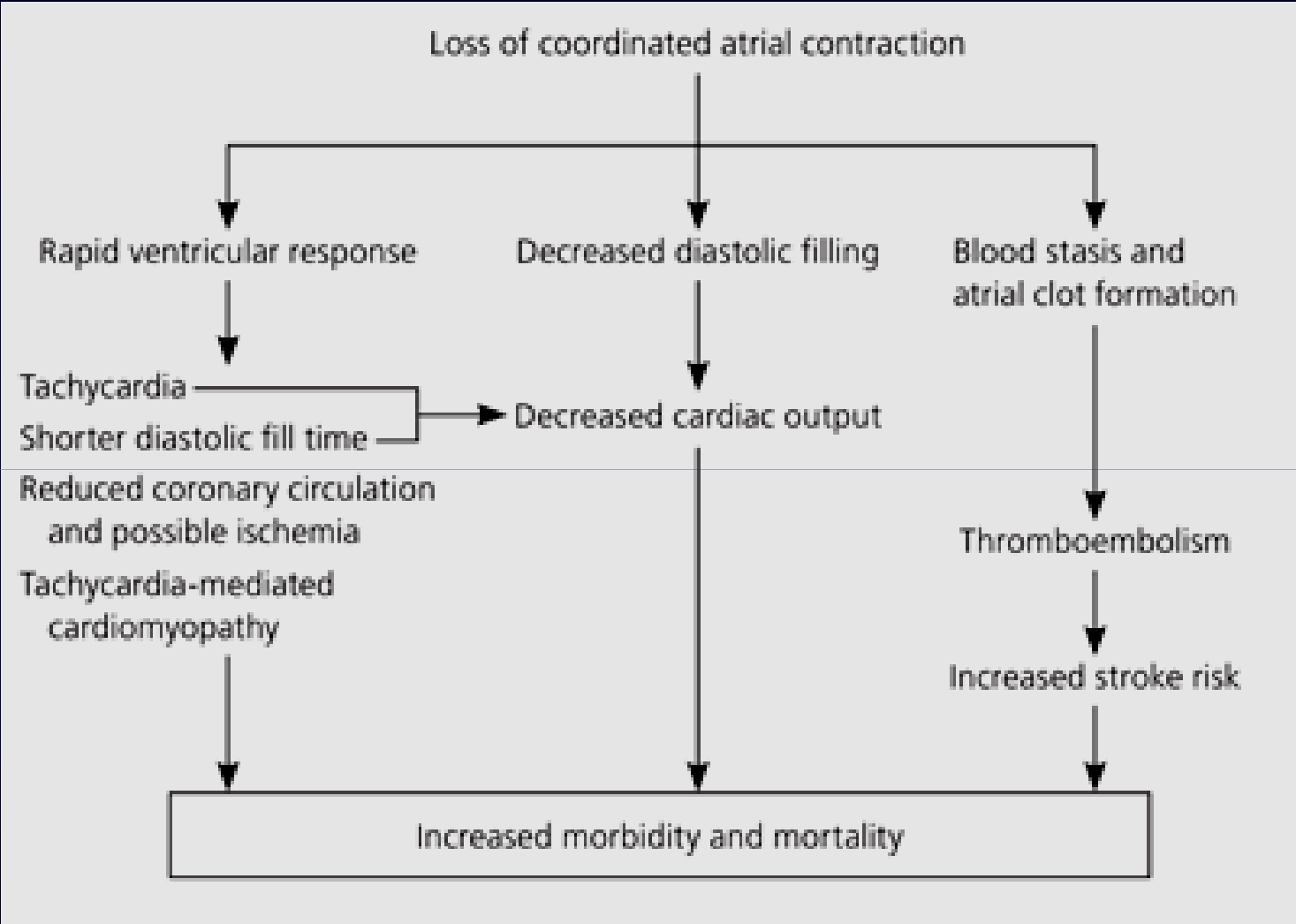
 **Disparador**
-atividade focal rápida

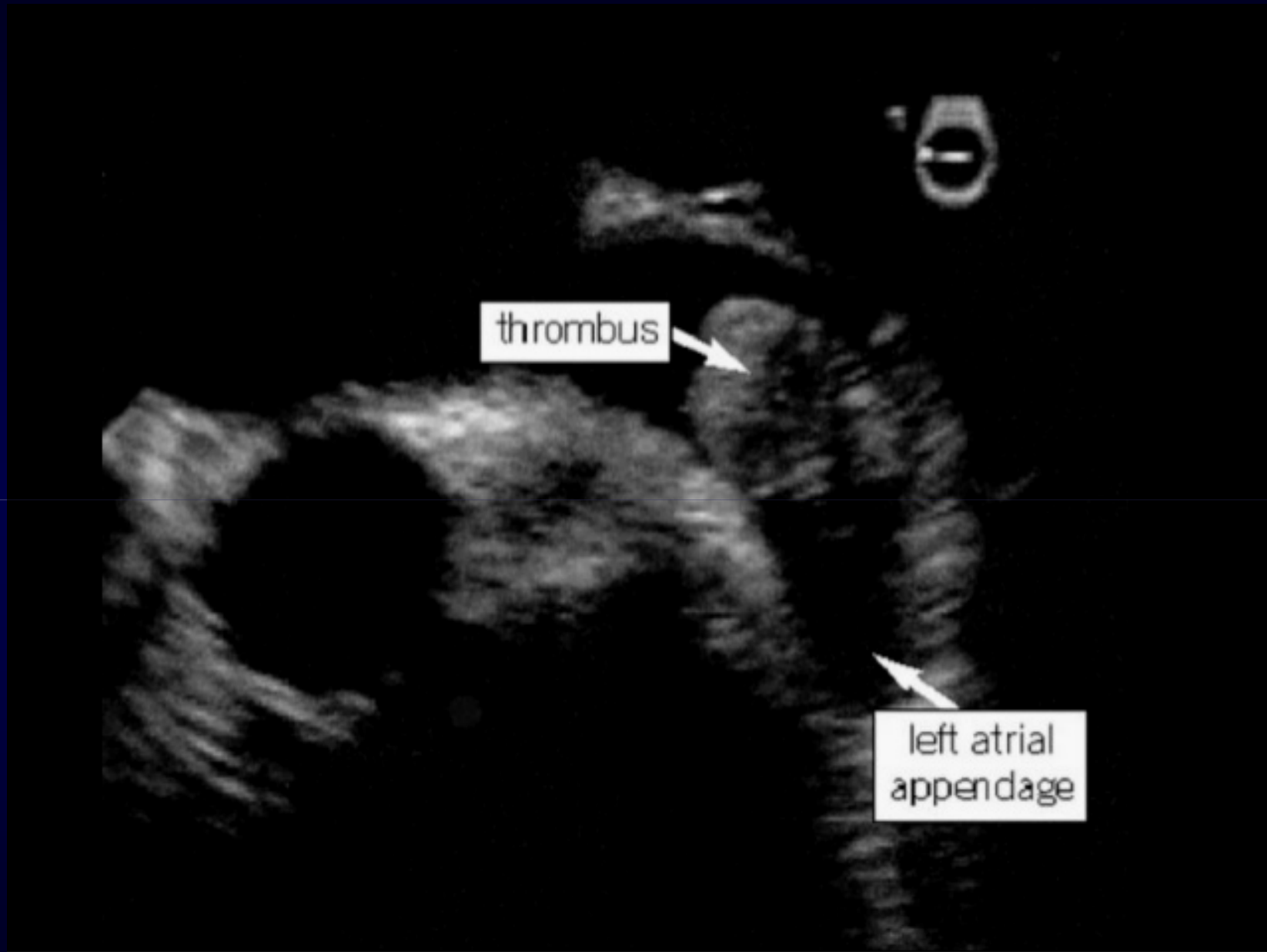
 **Sustentador**
-múltiplos circuitos reentrantes

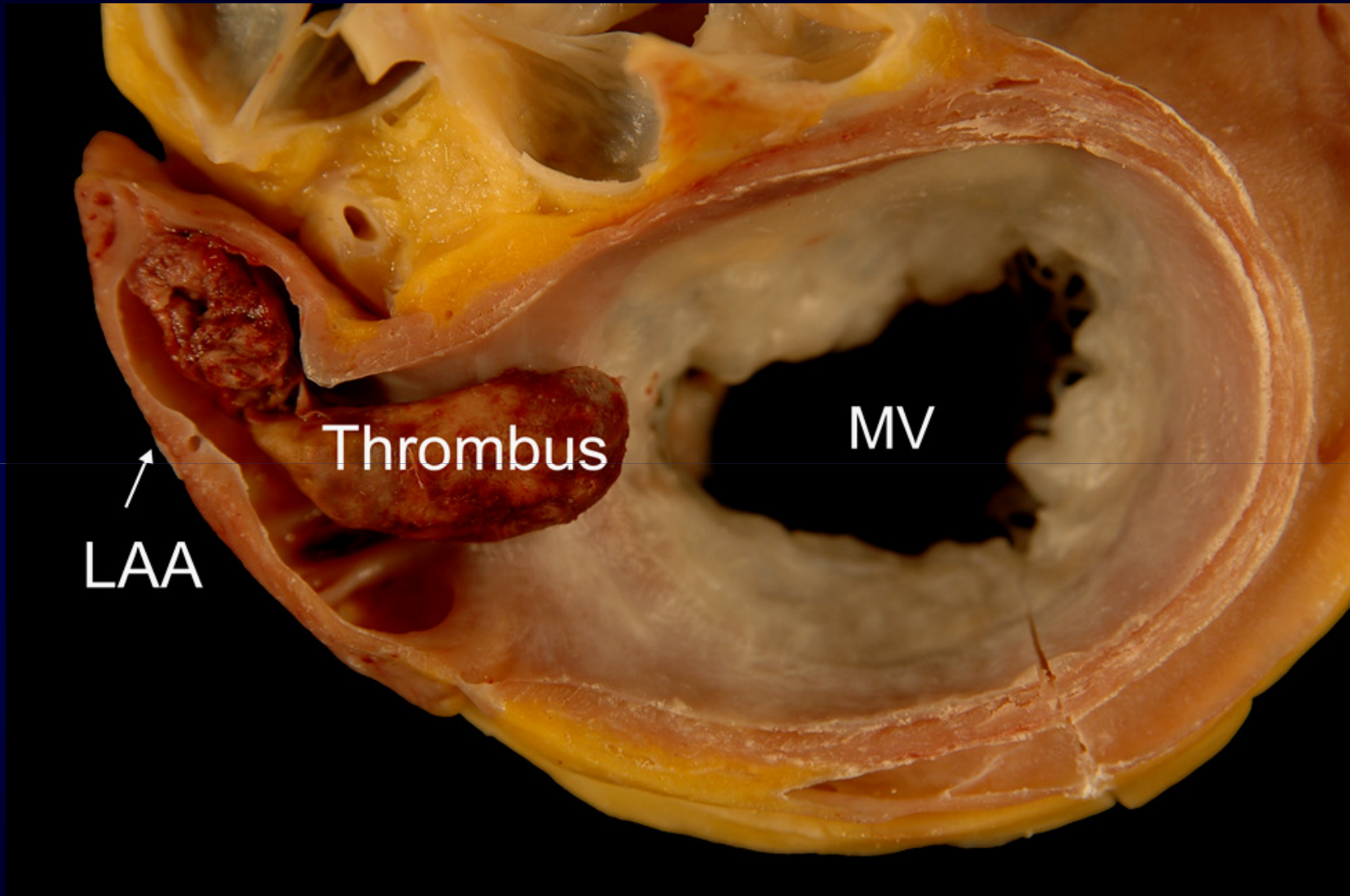
 **Modulador (SNA)**







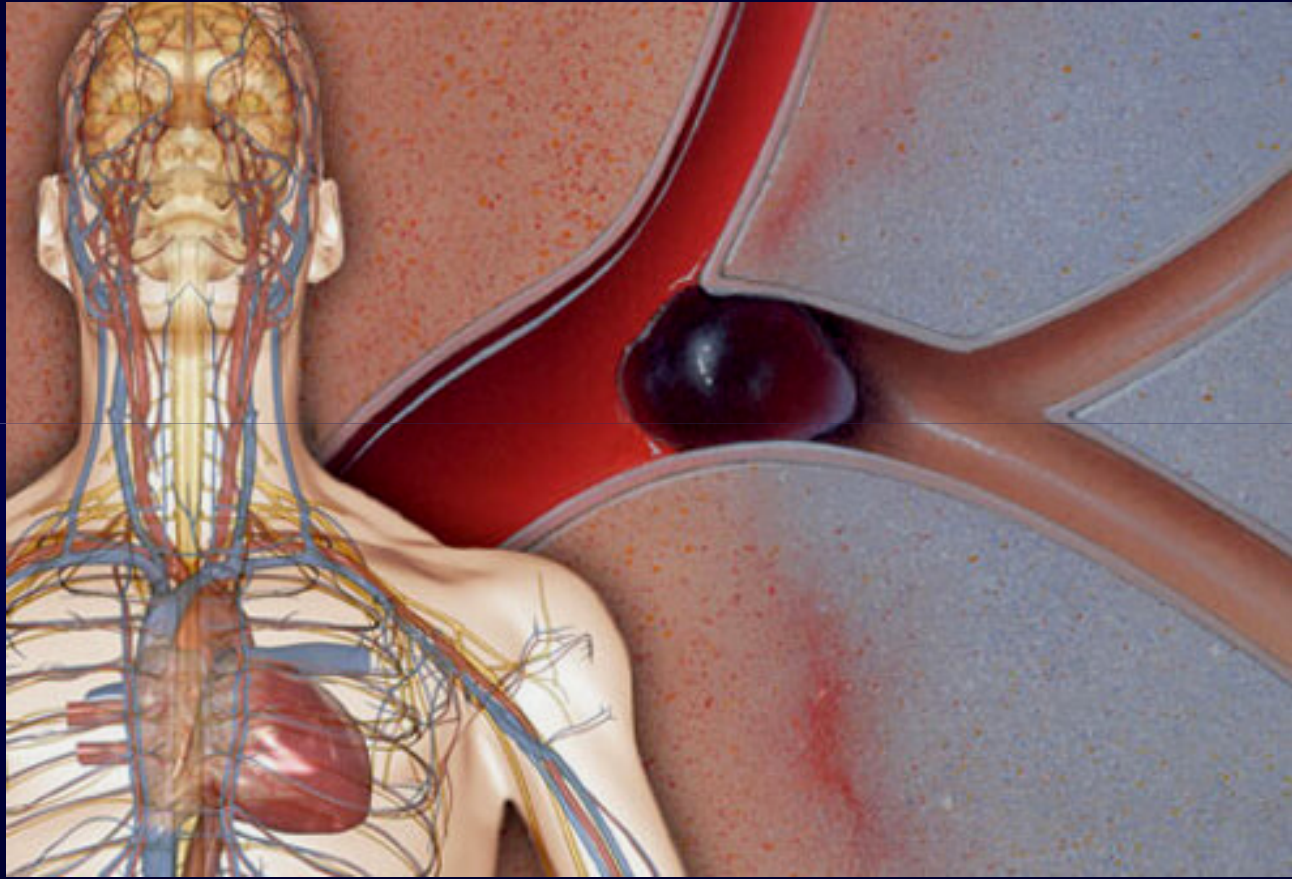




LAA

Thrombus

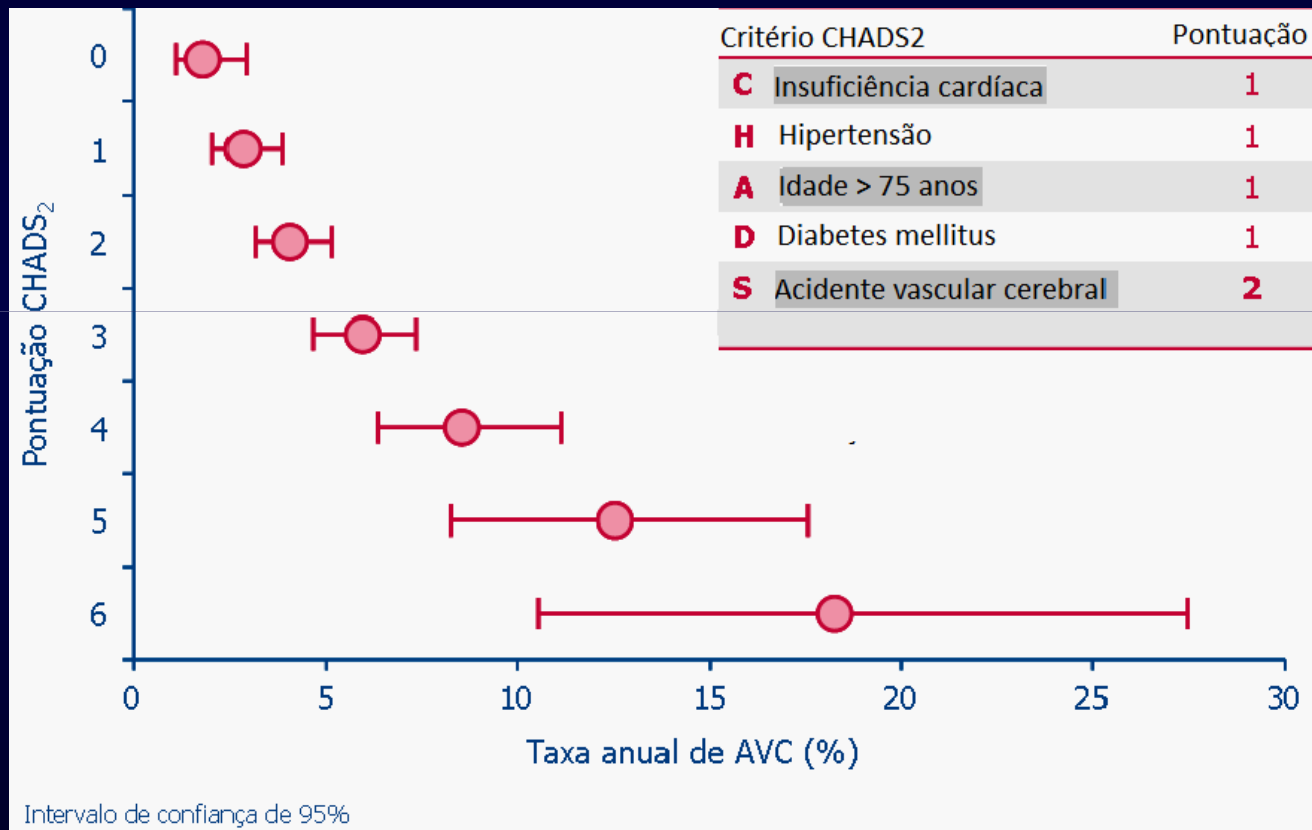
MV



Impacto da FA no AVC

- FA ↑ 5 vezes o risco de AVC
- Sem tratamento preventivo: 1 em cada 20 pacientes com FA terão AVC ao ano (5%)
- 15 a 20% de todos os AVCs são atribuíveis à fibrilação atrial
- 50.000 AVCs por ano no Brasil são causados pela FA
- AVC relacionados à FA são mais graves e de maior mortalidade

Escore CHADS₂ para avaliação de risco de AVC em pacientes com fibrilação atrial



HENNEPIN COUNTY - H.C.M.C. (5-55-10)

Edited

Requested By: RUZANIC, THEODORE

Confirmed for: Kyuhyun Wang, MD 05-Sep-2007 11:56:55

