



CAD CONFERENCE

8th to 10th November, Mumbai

LONG TERM COMPLICATIONS OF ATRIAL FIBRILLATION

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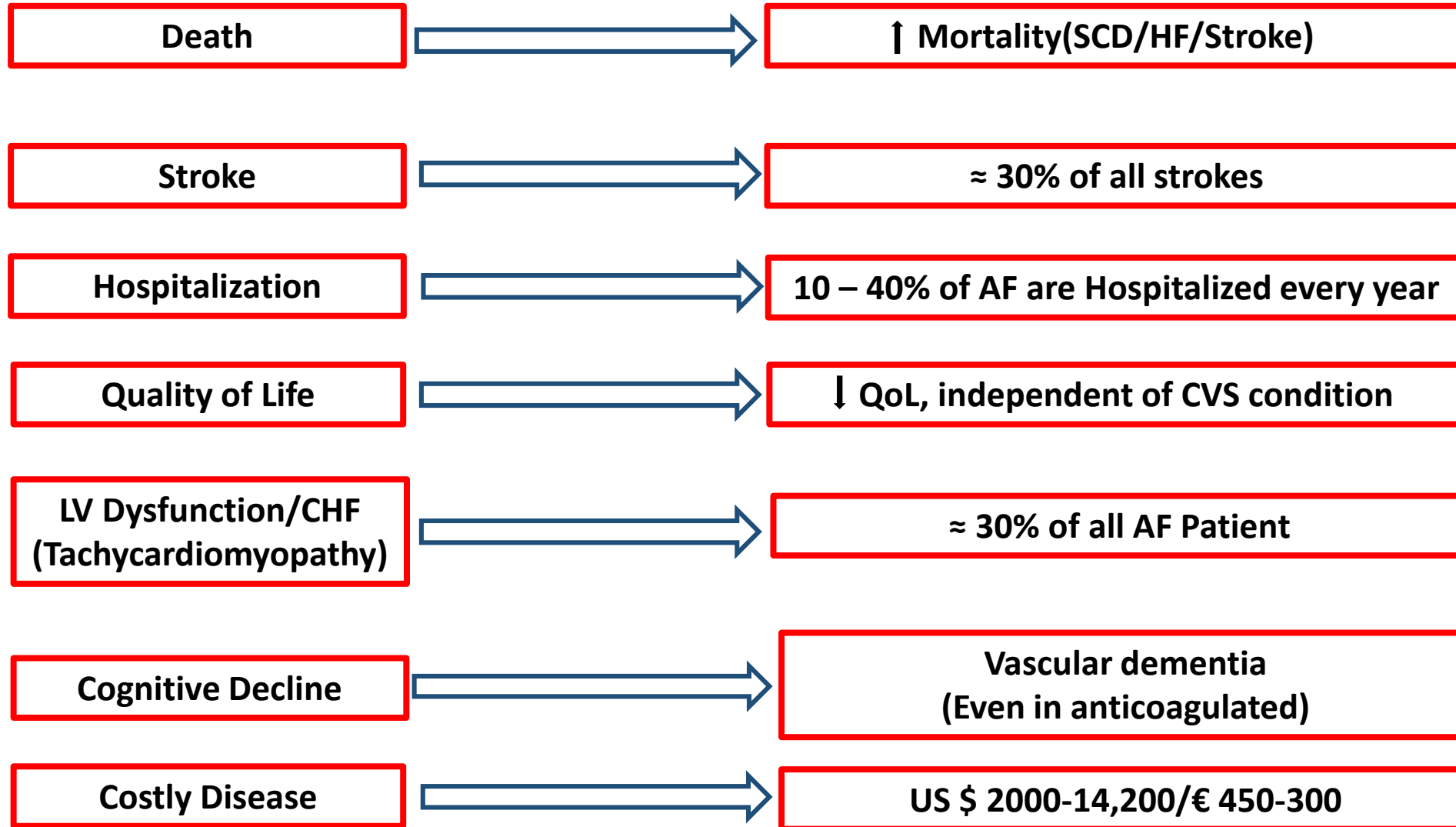
The Madras Medical Mission

Founder President: Tamilnadu Electrophysiology Council

President Elect: Indian Society of Electrocardiology



LONG TERM COMPLICATIONS OF ATRIAL FIBRILLATION



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STROKE

Odds : 5- fold higher in patients with AF

Serious Disability

↑ Mortality

LONG TERM COMPLICATIONS OF ATRIAL FIBRILLATION

AF in Coronary Artery disease

Common consequence of Acute Coronary Syndrome

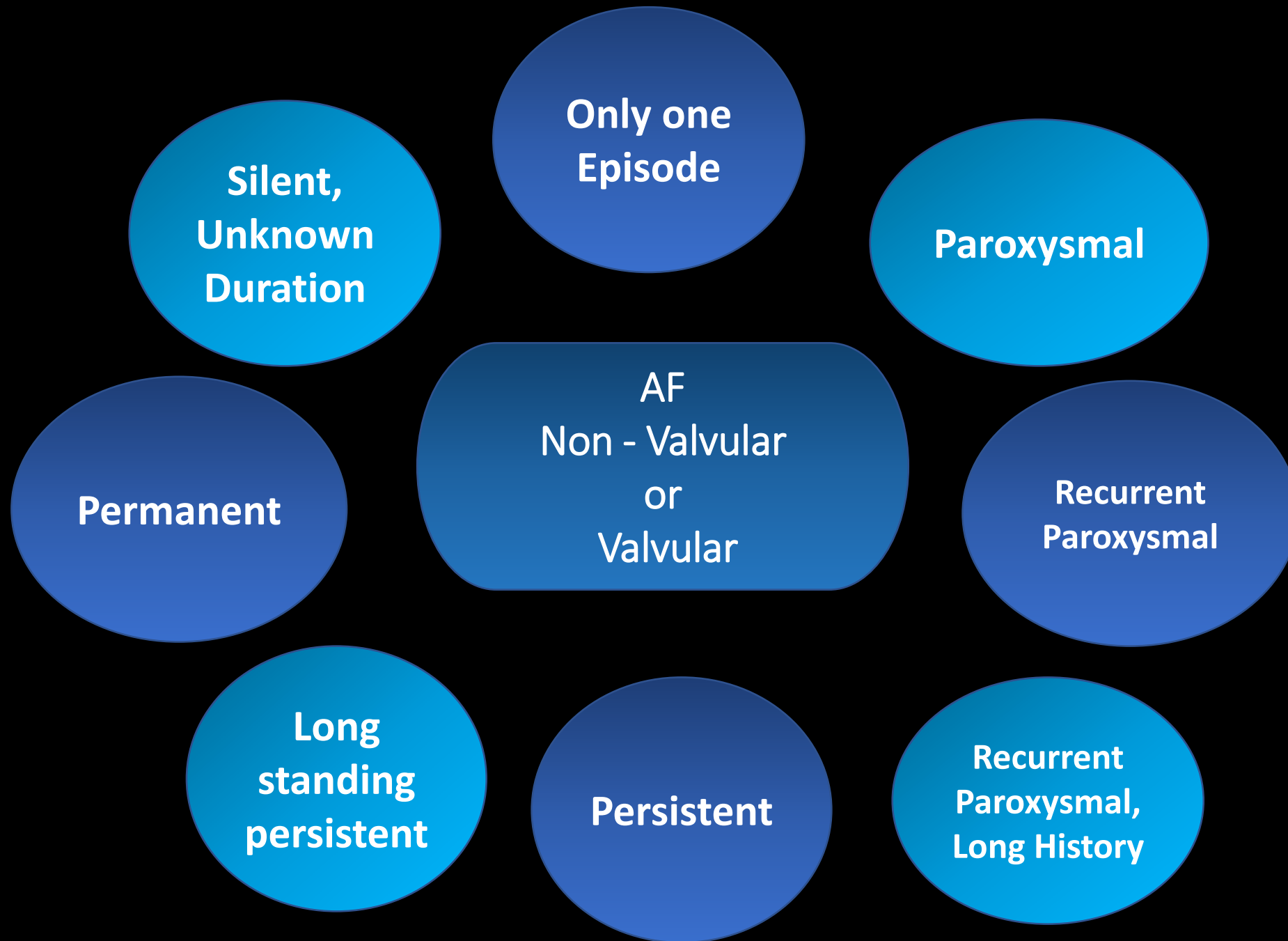
4-fold higher risk for death in MI

AF occurring < 1 month after Infarction-Higher risk for death

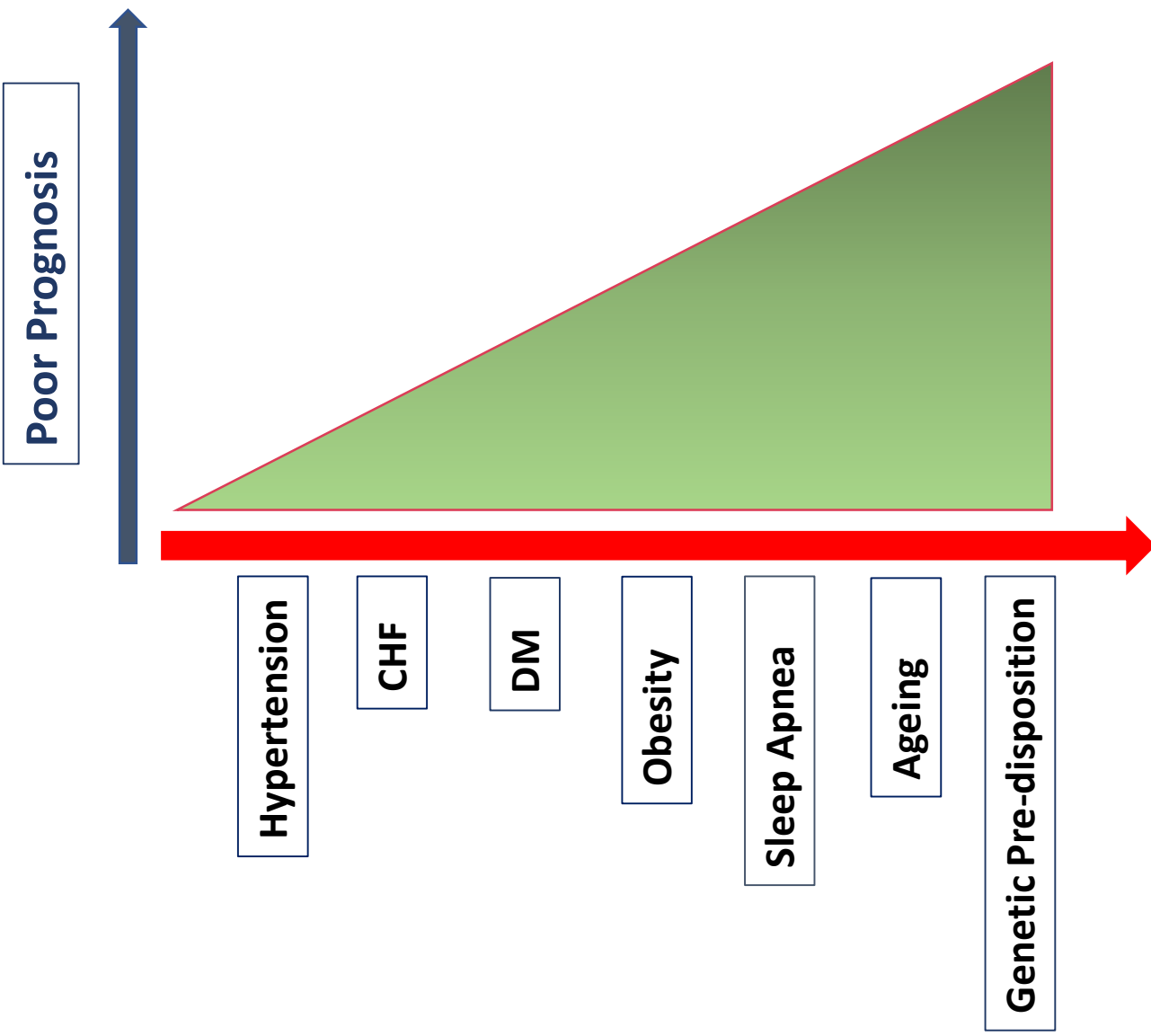
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AF in Patients with Chronic Kidney Disease

↑ CKD : Risk for AF & Stroke



Risk Factors & Prognosis

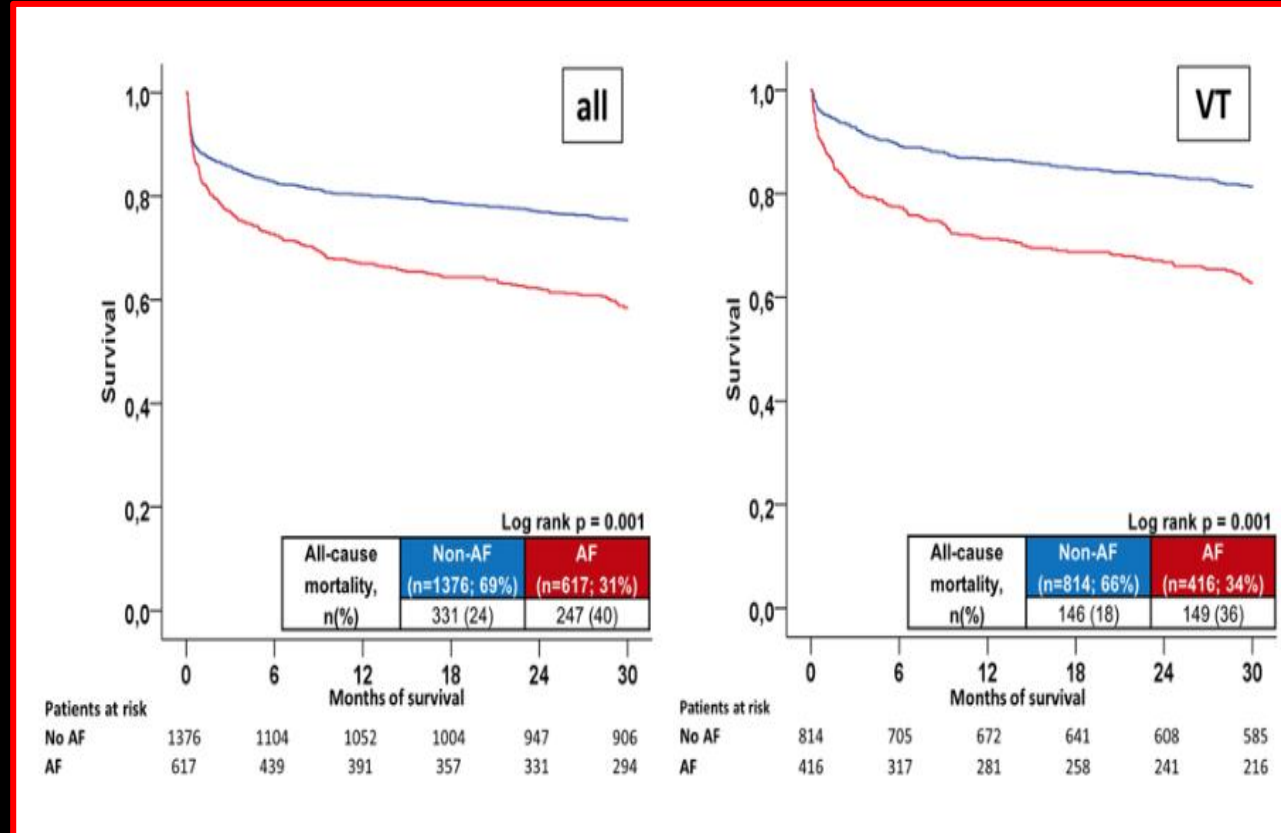


Progression of paroxysmal to persistent atrial fibrillation: 10-year follow-up in the Canadian Registry of Atrial Fibrillation ^e

CONCLUSION Within 10 years of presenting with paroxysmal AF, >50% of patients will progress to persistent AF or be dead. Increasing age, mitral regurgitation, aortic stenosis, left ventricular hypertrophy, and left atrial dilatation were associated with progression to persistent AF.

LONG TERM COMPLICATIONS OF ATRIAL FIBRILLATION

AF Increases mortality in patients with VT



LONG TERM COMPLICATIONS OF ATRIAL FIBRILLATION

AF following Cardiac & Non-Cardiac Surgery

Incidence:

20-40%(Cardiac Surgery)

4-20% Non-Cardiac Surgery

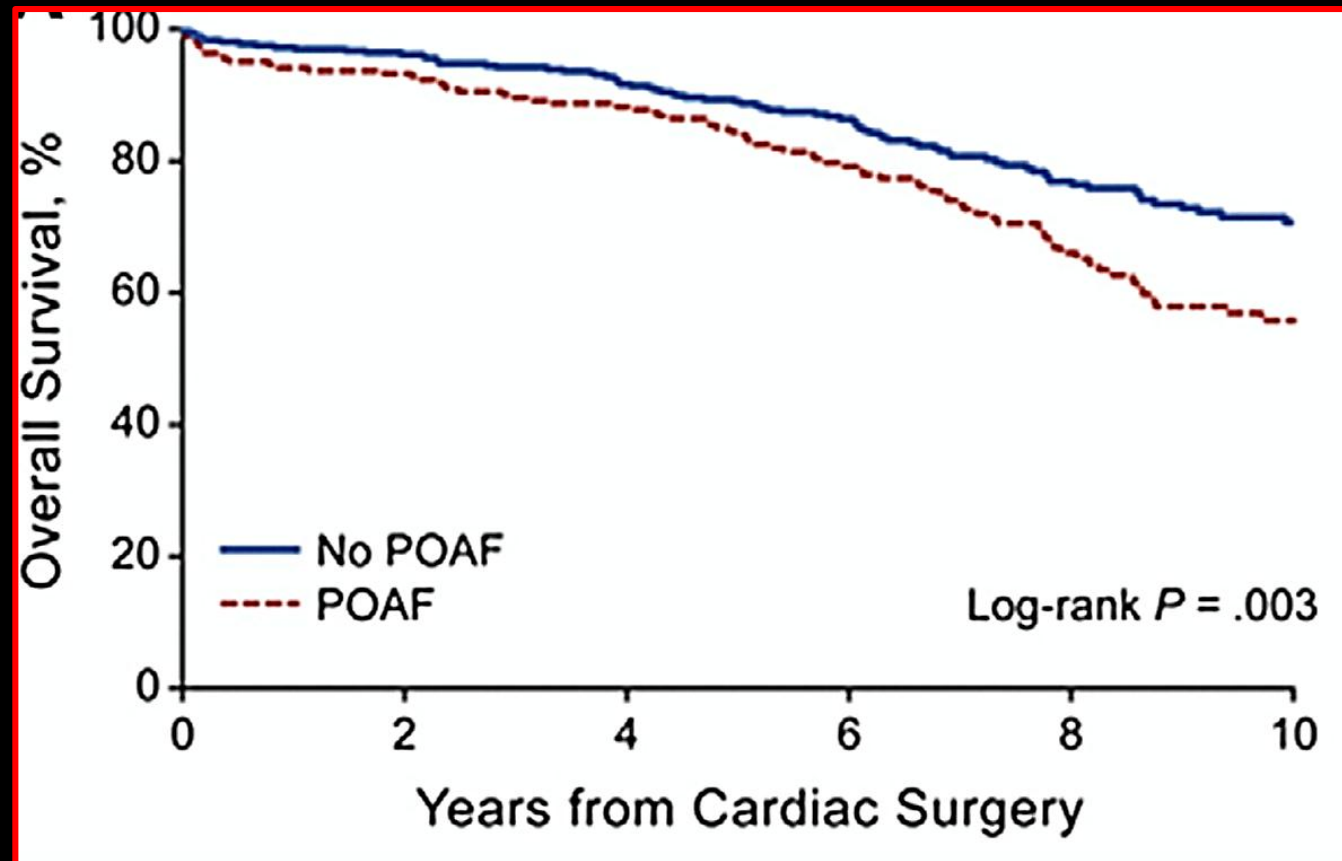
? Long-term Anticoagulation

↓ 5-year survival (with or without Anticoagulation)

Implications of new-onset atrial fibrillation after cardiac surgery on long-term prognosis: A community-based study

Am Heart J, 2015

Rowlens M. Melduni, M.D, MPH,^a Hartzell V. Schaff, M.D,^b Kent R. Bailey, PhD,^c Stephen S. Cha, MPH,^c Naser M. Ammash, M.D,^a James B. Seward, M.D,^a and Bernard J. Gersh, MB, ChB, DPhil^a Rochester, MN



AF: Long term Prognosis

Poorer as compared to Non - AF

Stroke / CHF/ Impaired QoL

Therapy at times worse than disease

'Prevention better than Cure', Most apt for AF



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Thank you

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