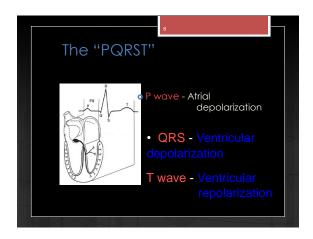
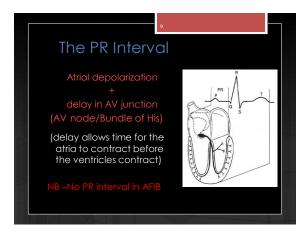
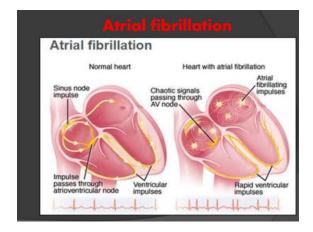


Classification	
Terminology	Features
1. Paroxysmal AF	Spontaneous termination <7 days
2. Persistent AF	Not self-terminating lasting >7 days
3. Long standing AF	Persistent AF for >1 year
4. Permanent AF	Long standing AF refractory to cardioversion
5. Lone AF	Occurs in age group <60 years with no H/o HTN/Heart disease
6. Nonvalvular AF	Absence of rheumatic mitral stenosis, a mechanical or bioprosthetic heart valve, or mitral valve repair







Mnemonic "PIRATES": Pulmonary embolus, Pulmonary disease, Postoperative, Pericarditis Ischemic heart disease, Idiopathic ("lone atrial fibrillation"), Intravenous central line (in right atrium) Rheumatic valvular disease (specifically mitral stenosis or mitral regurgitation) Anemia, Alcohol ("holiday heart"), Advanced age, Autonomic tone (vagally mediated Atrial fibrillation)

Elevated blood pressure (hypertension), Electrocution

and Diabetes.
 Obesity and Obstructive sleep apnea.
 Temporary causes: Alcohol, Open heart or thoracic surgery, Myocardial infarction, Pericarditis, Myocarditis and Pulmonary embolism.
 Reversible causes: Hyperthyroidism

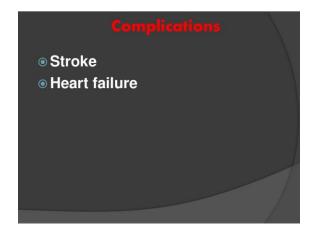
Hypertension with LVH, IHD, MVD,

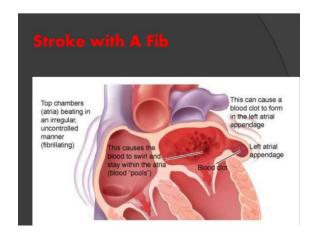
Cardiomyopathies, Constrictive pericarditis,

Cardiac tumours, Pulmonary hypertension

Sleep apnea, Sepsis.

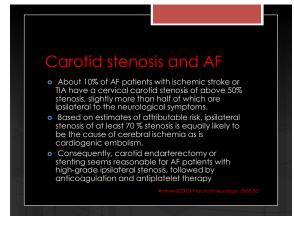
Thyroid disease (hyperthyroidism)







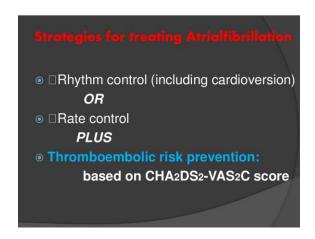
Diagnostic evaluation Clinical history and Physical examination ECG Holter monitoring Stress test ECHO Chest radiograph Blood tests

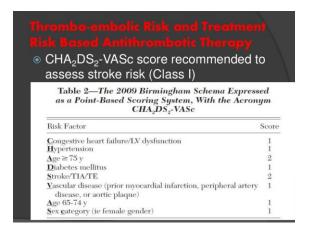


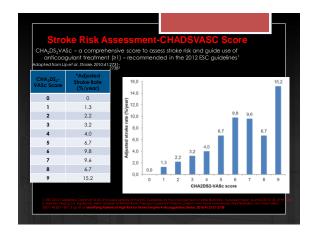
RISK OF RECURRENT EMBOLISM

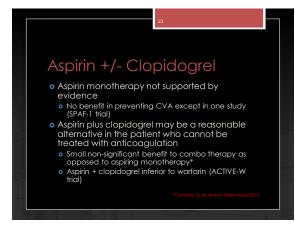
• Patients who have had a prior embolic event already have the most potent high-risk factor for subsequent stroke. The risk of recurrent stroke in the first few weeks after the initial event is 3 to 5% based upon large numbers of patients observed in the control arms of randomized trials lancet.1997;349 (9065):1569 [
• In addition, a risk of up to 12 % per year has been reported in untreated patients in the first two to three years after a stroke Lancet. 1993;342 (8882):1255.

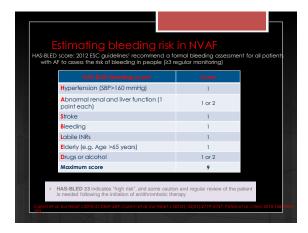












- Oral direct thrombin inhibitor
- Twice daily dosing
- Renal clearance

- Direct factor Xainhibitor
- Once daily (maintenance), twice daily (loading)
- Renal clearance

- Direct factor Xainhibitor
- Twice daily dosing
- Hepatic clearance

- Edoxaban Direct factor Xainhibitor
- Once daily dosing
- Hepatic clearance

- Following a healthy lifestyle and taking steps to lower your risk for heart disease may help you prevent atrial fibrillation (AF). These steps include:
- Following a heart healthy diet that's low in saturated fat, trans fat, and cholesterol. A healthy diet includes a variety of whole grains, fruits, and vegetables daily.
- Not smoking.
- Being physically active.
- Maintaining a healthy weight.

- If already having heart disease or other AF risk factors, regular checkup and followup. In addition to adopting the healthy habits above:
- Advise <u>DASH eating plan</u> to help lower blood pressure.
- Keep cholesterol and triglycerides at healthy levels with dietary changes and medicines (if prescribed).
- Limit or avoid alcohol.
- Control of blood sugar level if diabetic.
- Medical care and medicines as prescribed.

- Most common cardiac arrhythmia
- High prevalence
- Stroke and Heart failure Risk
- Treatable disease with early and proper interventions.