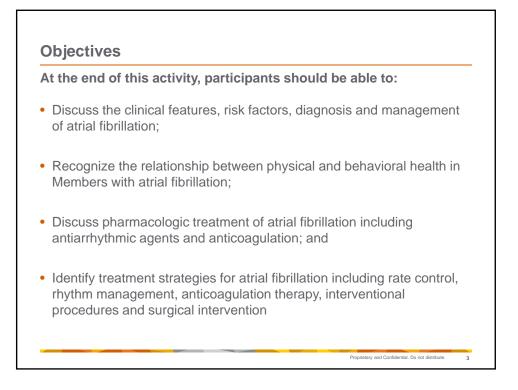


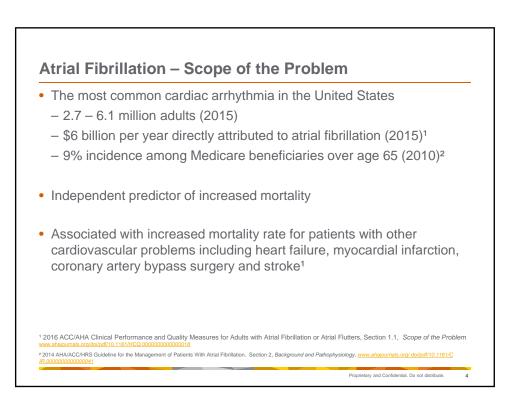
# Agenda

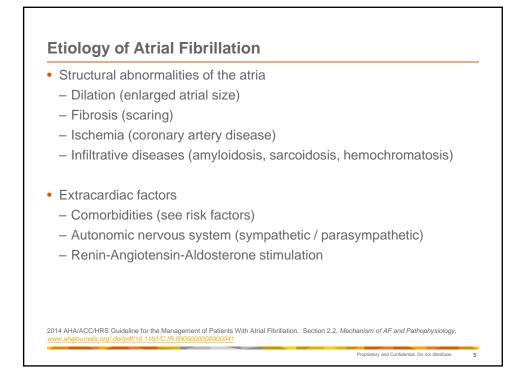
- Etiology of atrial fibrillation
- Risk factors for atrial fibrillation
- Clinical presentation of atrial fibrillation
- Treatment options for management of atrial fibrillation
  - Antiarrhythmic medications
  - Anticoagulation
  - Interventions
- Complications of atrial fibrillation
- The relationship between physical and behavioral health in atrial fibrillation

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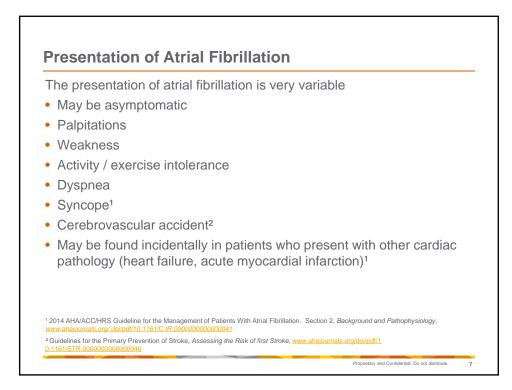
- Case studies
- Case management opportunities

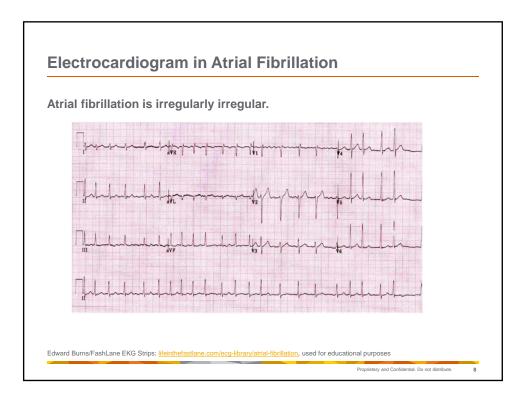


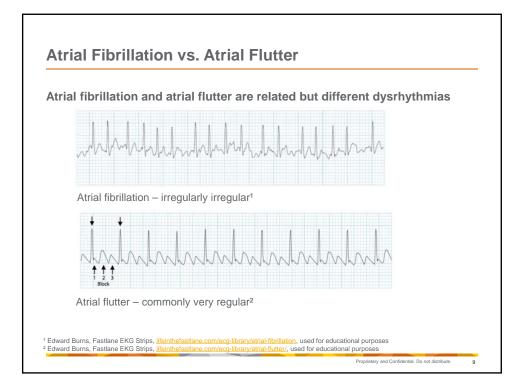


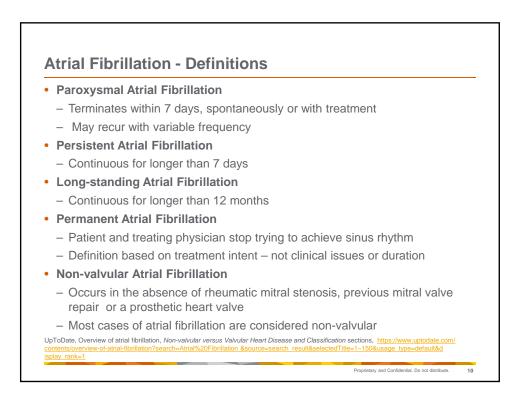


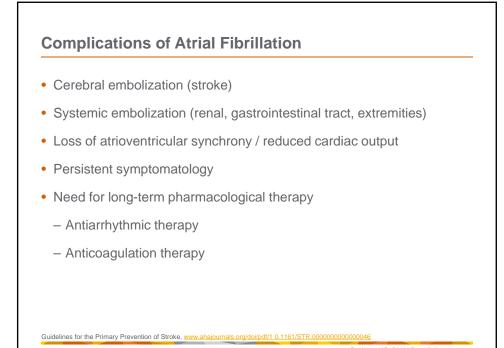
<ul> <li>Cardiomyopathy / heart failure</li> </ul>	
<ul> <li>Myocarditis / pericarditis</li> </ul>	
<ul> <li>Recent surgery (particularly cardiac surge</li> </ul>	ry)
<ul> <li>Pulmonary embolism</li> </ul>	
Increasing age	
Hypertension	
Obesity	
<ul> <li>Obstructive sleep apnea</li> </ul>	
• Diabetes	
<ul> <li>Alcohol use (particularly binge drinking)</li> </ul>	
Smoking	
<ul> <li>Hyperthyroidism</li> </ul>	

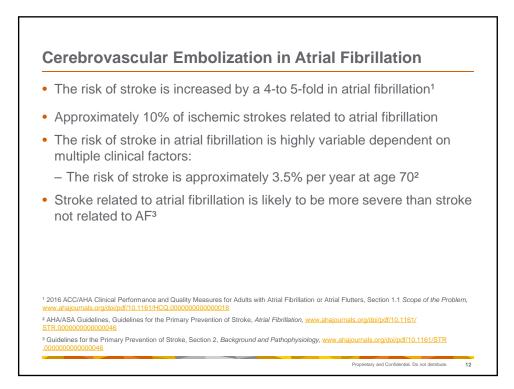


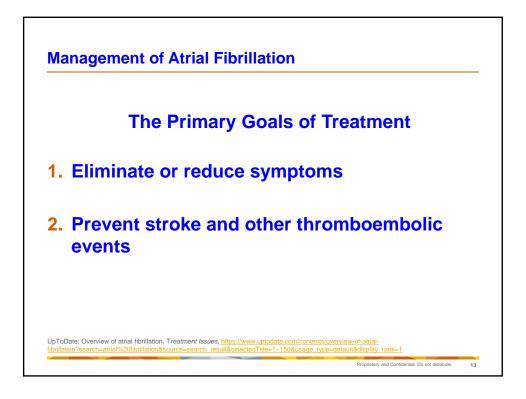


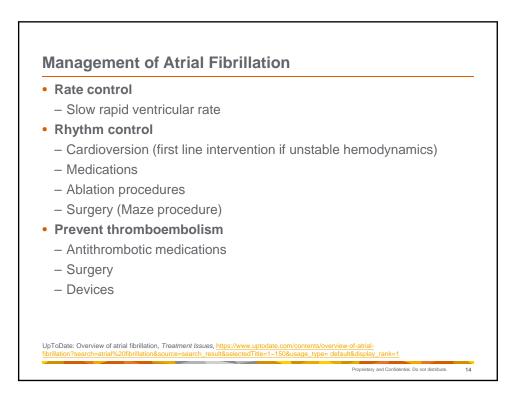


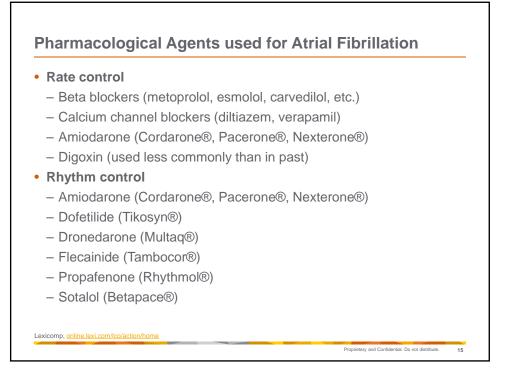




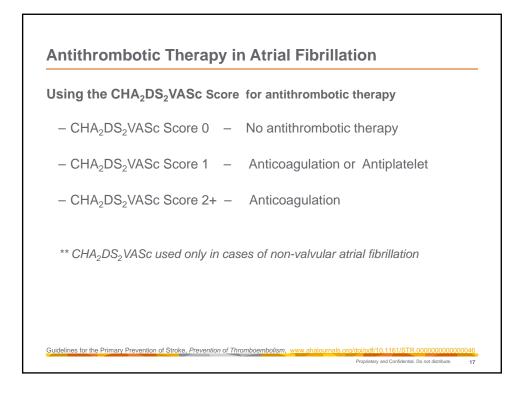


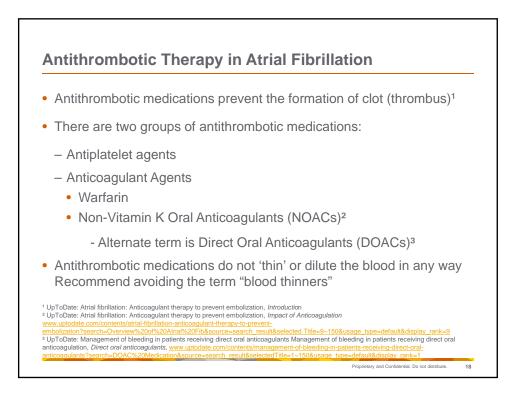


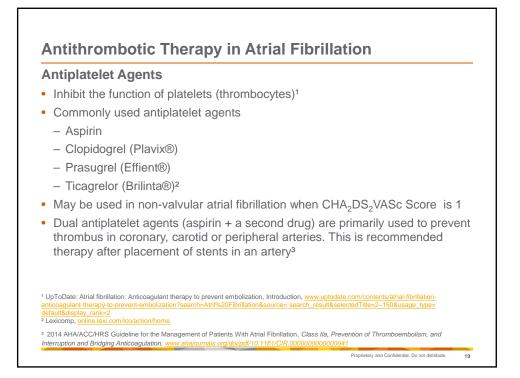


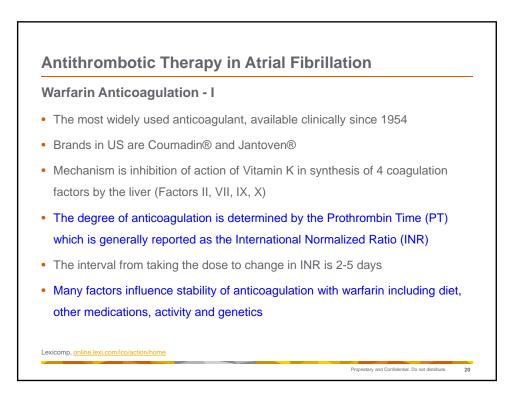


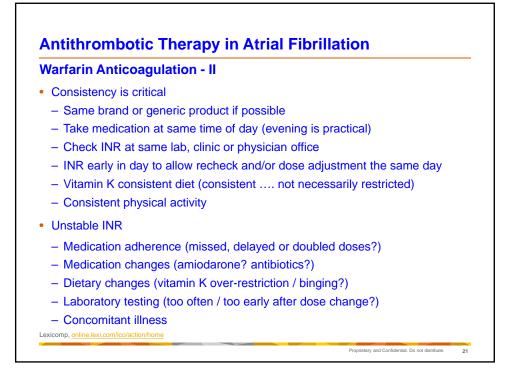
CHA <sub>2</sub> DS <sub>2</sub> VASc (For Non-valvular Atrial Fibrillation)			
	Condition	Score if present	
С	Congestive Heart Failure	1	
н	Hypertension	1	
<b>A</b> <sub>2</sub>	Age 75 years or older	2	
D	Diabetes mellitus	1	
S <sub>2</sub>	Prior stroke, TIA or thromboembolism	2	
V	Vascular disease	1	
А	Age 65 -74	1	
Sc	Sex category - Female	1	
Sex category: male =	0 points / female = 1 point		

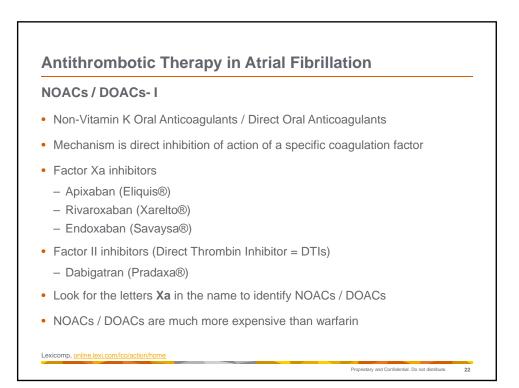


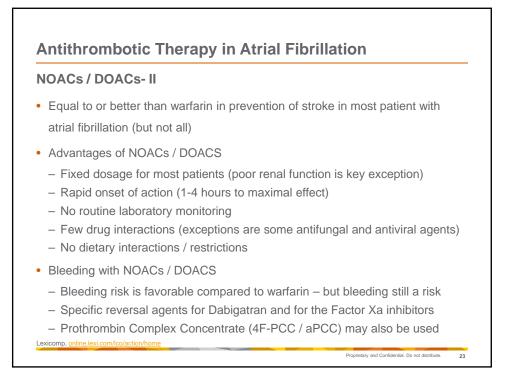


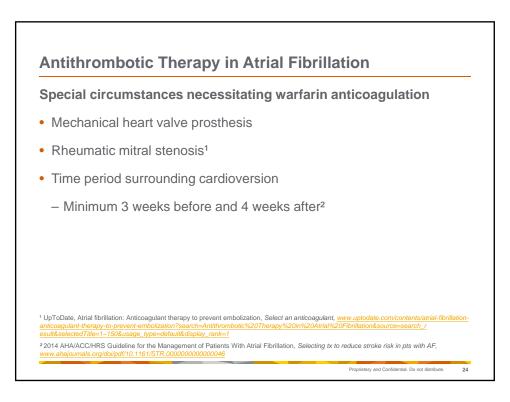


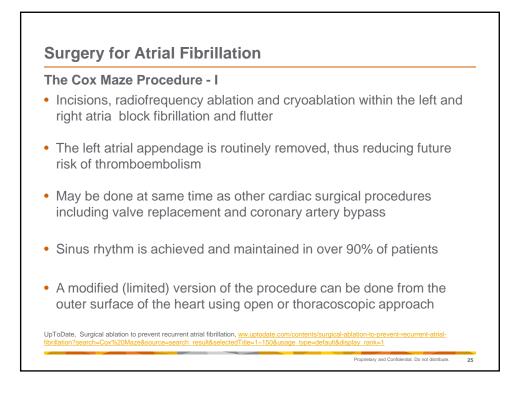


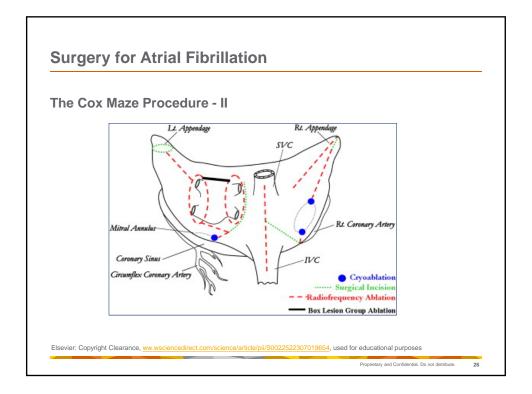


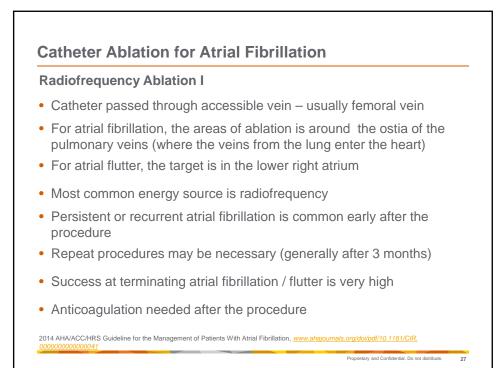


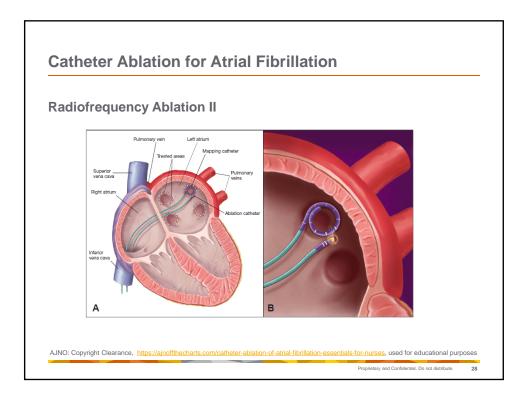


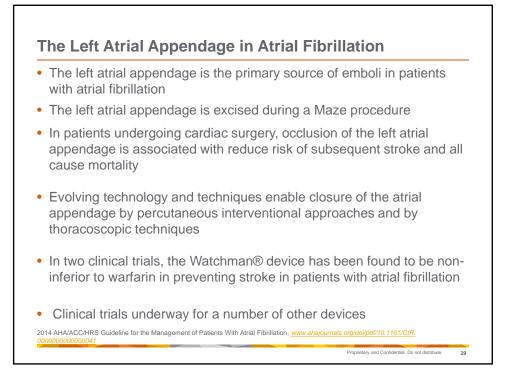


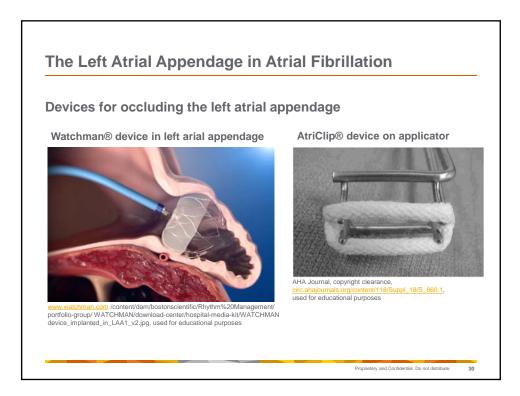


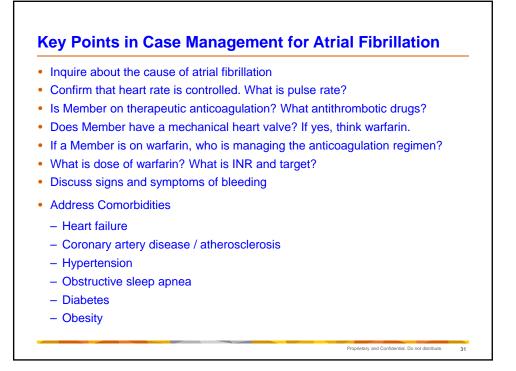


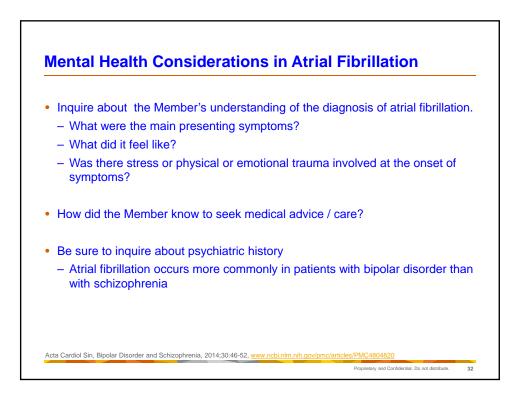


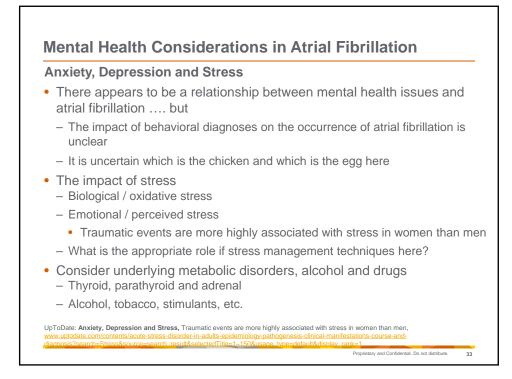


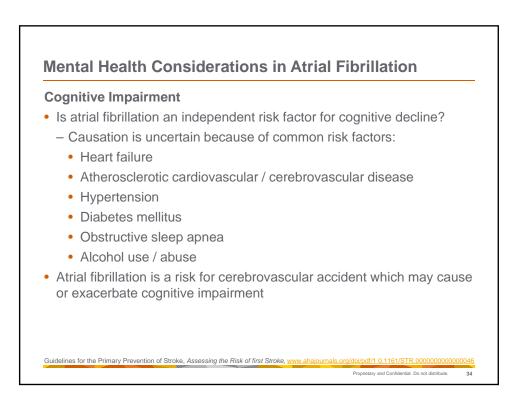












### Case Study - 1

Ms. A. Fibber is 76 year old woman with a history of congestive heart failure due to a long history of poorly controlled hypertension. She has diabetes on oral medications. She has a history of peripheral vascular disease for which she has had previous stenting. She is on clopidogrel (Plavix®).

Ms. Fibber was hospitalized for a transient ischemic attack (TIA). She was found to be in atrial fibrillation with a heart rate of 96 beats per minute. She denies any cardiac symptoms. There is no residual neurological deficit. Carotid arteries do not have significant disease. Ms. Fibber was discharged home with one new prescription which she was told to fill promptly and to take twice daily. She has discharge instructions.

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What information is needed on the TCM call?

### Case Study - 2

During your call, Ms. Fibber reports that her medication is a 'blood thinner'. She is unable to recall the name of the medication or to read the full name on the label because it is partially torn. Ms. Fibber remarks that the name ends in '...xaban'. The Pharmacist told her that even though the medication was expensive, she would be happy that she did not have to change anything in her diet just because of her anticoagulant medication.

Which of the following statement(s) is/are correct regarding this medication?

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## Case Study - 3

On the follow-up call 1 week later, Ms. Fibber said she is starting to wonder if she really needs to be on an anticoagulant. She read something on the internet that makes her think the risk of bleeding is really high and she does not think she is really at risk for a stroke. She confirms that she is not having any signs or symptoms of bleeding or stroke. She states, "That website just got me wondering."

You encourage Ms. Fibber to continue to take her anticoagulant - and all of her other medications - as prescribed and to make a point to discuss this with her Cardiologist at her upcoming visit next week.

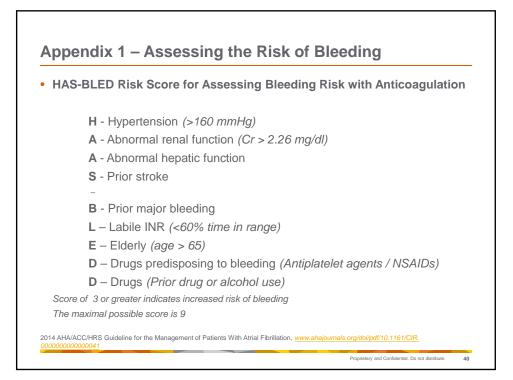
Considering Ms. Fibber's stroke risk, which of the following is true?

### Case Study - 4

On a follow-up call three months after hospital discharge, you discover that Ms. Fibber had a radiofrequency ablation procedure. She has been predominantly in sinus rhythm since the procedure. A Watchman® device was placed in the left atrial appendage during the same procedure. The EP Cardiologist is pleased with her progress. Left ventricular function is unchanged with EF 50% (HFpEF). She has had no bleeding problems. Anticoagulation therapy with the same DOAC / NOAC will be continued for about a year and then they will reassess further antithrombotic therapy.

At this time, appropriate management includes which of the following?

Thank You.



Heart Associatior	HRS Guideline for the Management of Patients With Atrial Fibrillation - A Report of the American College of Cardiology/American Task Force on Practice Guidelines and the Heart Rhythm Society. Published December 2014. Accessed July 1, 2018. prg/content/early/2014/04/10/CIR.00000000000001
	SCAI left atrial appendage occlusion device societal overview . Heart Rhythm. Published June 30, 2015. Accessed July 15, 2018 g/Policy-Payment/Clinical-Guidelines-Documents/2015-Left-Atrial-Appendage-Occlusion-Device-Societal-Overview
Cardiology/Ameri	Dinical Performance and Quality Measures for Adults With Atrial Fibrillation or Atrial Flutter - A Report of the American College o can Heart Association Task Force on Performance Measures. Published July 2016. Accessed July 1, 2018. accumals.org/content/early/2016/06/27/HCO.00000000000000018
College of Cardio	t Consensus Decision Pathway on Management of Bleeding in Patients on Oral Anticoagulants – A Report of the American logy Task Force on Expert Consensus Decision Pathways. Published December 2017. Accessed July 15, 2018. rg/content/early/2017/11/10/j.jacc.2017.09.1085
American College	Focused Update of the 2014 AHA/ACC Guideline for the Management of Patients With Valvular Heart Disease: A Report of the of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines. Published March 2017. Accessed July 8 mals.org/content/eart//2017/03/14/CIR.0000000000000503
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2017, Accessed	Acute stress disorder in adults: Epidemiology, pathogenesis, clinical manifestations, course, and diagnosis, Updated Feb 17, Oct 12, 2018. www.uptodate.com/contents/acute-stress-disorder-in-adults-epidemiology-pathogenesis-clinical-manifestations- losis?search= Stress&source=search result&selectedTitle=1-150&usage_type=default&display_tank=1

	ry Prevention of Stroke - A Statement for Healthcare Professionals From the American Heart Association/American Strok Jecember 2014. Accessed July 1, 2018, <u>www.ahajournals.org/doi/abs/10.1161/str.000000000000046</u>
	ng Huang , Yung-Kuo, Lin, Bipolar Disorder and Schizophrenia Present Different Risks of Atrial fibrillation: A Nationwide sis, 2014, 30:46-52, Accessed Oct 12, 2018, <u>www.ncbi.nlm.nih.gov/pmc/articles/PMC4804820</u>
Updated Guidelines on C www.aafp.org/afp/2013/(	Dutpatient Anticoagulation. American Family Physician. Published April 15, 2013. Accessed July 15, 2018. <u>0415/p556.pdf</u>