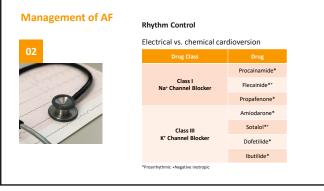
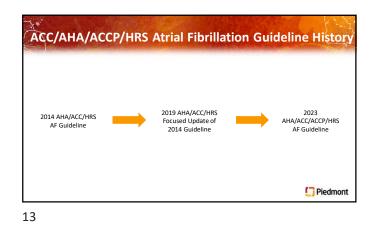


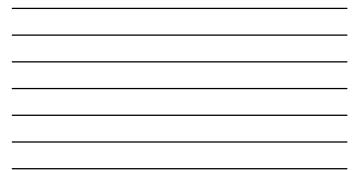
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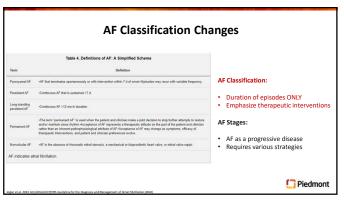
Management of AF	Stroke Prevention AF patients have increa CHA2DS2-VASc	used risk of strok	ie.
	Drug Class	Drug	Dose
		Apixaban	5 mg BID
	Factor Xa inhibitors	Rivaroxaban	20 mg daily with biggest meal
		Edoxaban	60 mg daily
	Vitamin K antagonist	Warfarin	Dose for target INR2-3
	Direct thrombin inhibitor	Dabigatran	150 mg BID



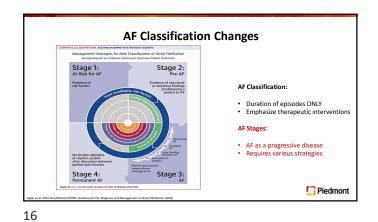


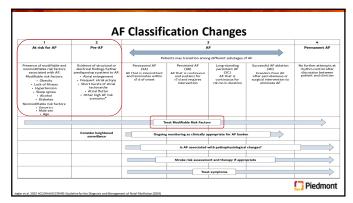




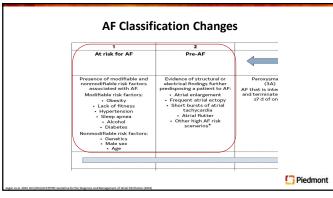












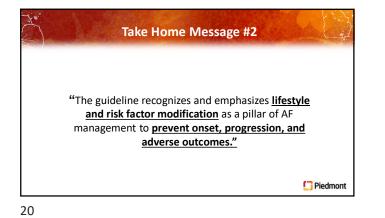


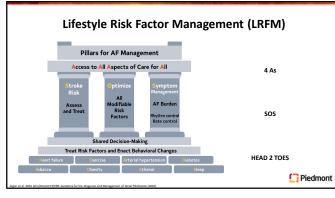
Assessment Question #1

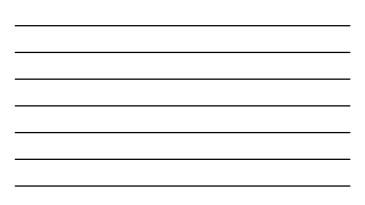
Which stage of AF needs to be actively treated?

A.Stage 1; At risk of AF B.Stage 2; Pre AF C.Stage 3; AF D.Stage 4; Permanent AF

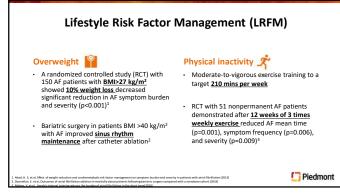
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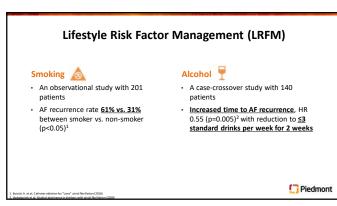


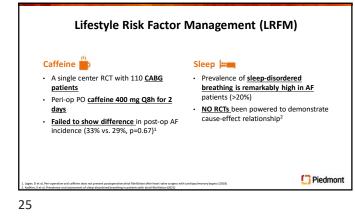


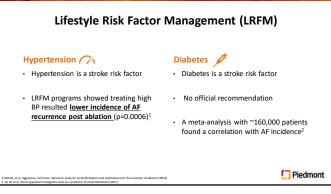


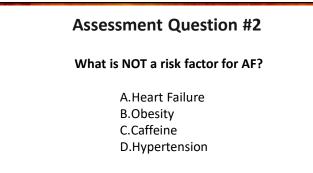
Lifestyle Risk Factor Management (LRFM)							
	Primary F	Prevention	Secondary	Secondary Prevention			
	COR	LOE	COR	LOE			
Overweight	1	B-NR	1	B-R			
Physical inactivity	1	B-NR	1	B-R			
Smoking	1	B-NR	1	B-NR			
Alcohol	1	B-NR	1	B-R			
Caffeine	NA	NA	3-No benefit	B-NR			
Hypertension	1	B-NR	1	B-NR			
Diabetes	1	B-NR	NA	NA			
Sleep	NA	NA	2b	B-NR			
CCP/HES Guideline for the Diamonis and Managemen				0			



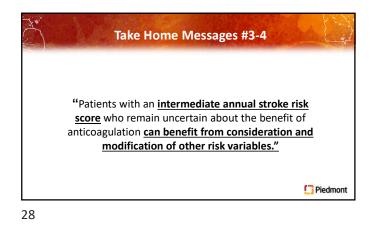


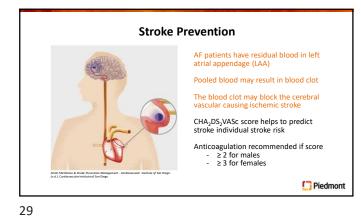


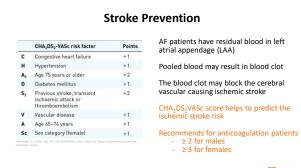




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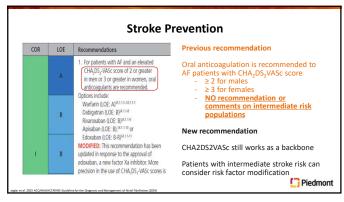


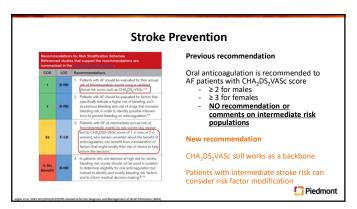




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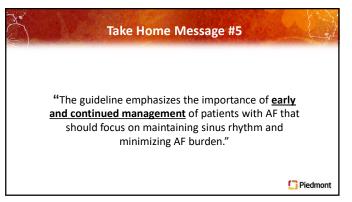
Stroke Prevention								
Drug Class	Drug	Dose	Renal dosing	Comments				
	Apixaban	5 mg PO BID	If 2 out 3 criteria met, 2.5 mg PO BID Age >80 Bodyweight<60kg SCr >1.5	DOACs are not				
Factor Xa inhibitors	Rivaroxaban	20 mg PO daily with biggest meal	CrCl with 'actual body weight' <50 mL/min, reduce to 15 mg PO daily	indicated for 'valvular' AF				
	Edoxaban	60 mg PO daily	CrCl <50 mL/min, 30 mg PO daily					
Vitamin K antagonist	Warfarin	Dose for target INR 2-3	-	Monitor multiple drug interactions				
Direct thrombin inhibitor	Dabigatran	150 mg PO BID	CrCl < 30 mL/mon, 75 mg PO BID					





		Stroke Pre	event	ion
2013 ATRIA ¹	Age (65-74 y is 3 points, 75-84 y is 5 points), ≥85 y is 6 points), hypertension, diabetes, CHF, proteinuria, GFR <45 mL/min/1.73 m ² , sex	Includes more age categories, renal function, and proteinuria More patients were classified as low or high risk but not as well tested in general.	11	httos://www.mdcale.com/cale/1842/atria- stroke-risk-score
2017 GARFIELD- AF ⁹	Web-based, uses routinely collected clinical data, and includes a total of 16 questions	Web-based tool for predicting stroke and mortality, includes the effect of the different anticoagulants, bleeding risk and mortality to facilitate shared decision- making on the potential benefits/risks of anticoagulation	4	httos://af.garfieldregistry.org/garfield-af-risk- calculator

Assessment Question #3 From the following patients, who is considered as 'intermediate stroke risk' patient? A.CR, male, CHA2DS2VASc score is 4 B.GH, female, CHA2DS2VASc score is 3 C.IB, female, CHA2DS2VASc score is 1 D.TS, male, CHA2DS2VASc score is 1



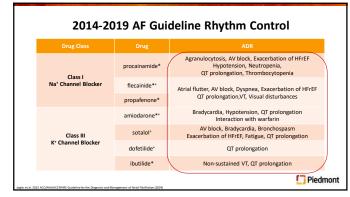
2014-2019 AF Guideline Rhythm Control

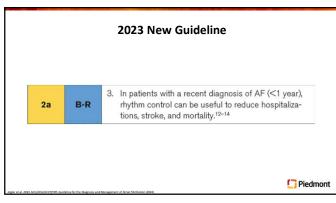
Long-term AF management may attempt to restore and maintain sinus rhythm, commonly referred to as "a rhythmcontrol strategy," using a combination of approaches, including cardioversion, antiarrhythmic drugs, and radiofrequency catheter ablation in the setting of appropriate anticoagulation and rate control. RCTs comparing outcomes of a hythm-control strategy using attractive systems and the setting of appropriate anticoagulation and rate control. RCTs comparing outcomes of a hythm-control strategy insignation systems and the setting of appropriate anticoagulation and rate control. RCTs comparing outcomes of a hythm-control strategy in guidents with a rate-control strategy in atteints with A Failed to show a superiority of rhythm control on mortality for either strategy.^{252,233} Furthermore, when applied in patients who are candidates for both treatment strategies (hythm- orate control), a rhythm-control strategy results in more hospitalizations. Therefore, the outine use of a rhythm-control strategy is not warranted for some patients. Catheter ablation has not been studied in this context.

Early rhythm control for symptomatic patients ONLY

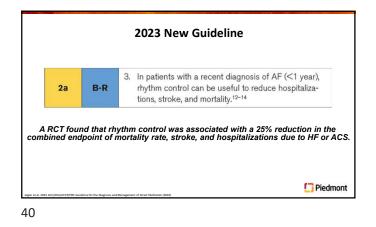
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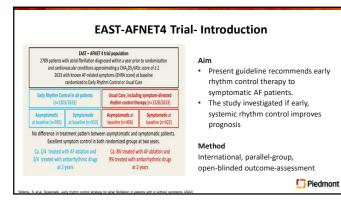
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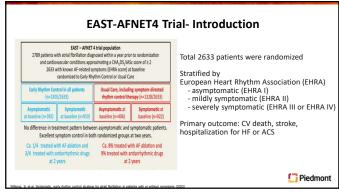


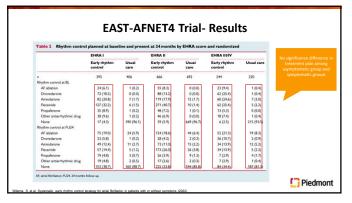
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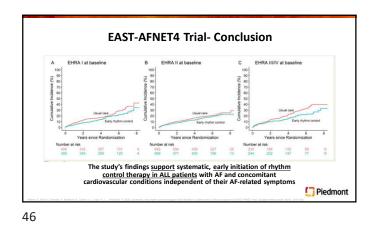




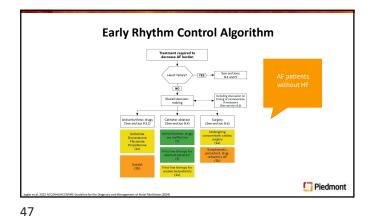


Charles Outcomes in			l population by								
Outcome	Asy	mptomatic (EP	HRA I)	Mild or mo	derate sympto	ms (EHRA II)	Severe				P-value did not show an
	Early rhythm control	Usual care	Treatment effect	Early rhythm control	Usual care	Treatment effect	Early rhythm control	Usual care	Treatment effect	interaction	significant difference in asymptomatic vs. symptomatic groups in term
First primary outcome Components of the first prima	79/1885 (4.2) iry outcome	97/1774 (5.5)	0.77 (0.37, 1.03)	109/3056 (3.6)	97/1774 (5.5)	0.84 (0.66, 1.09)	49/1099 (4.5)	68/1031 (6.6)	0.68 (0.47, 0.99)	0.743	of primary outcome
Death from candiovascular causes	19/2049 (0.9)	22/1977 (1.1)	0.82 (0.44, 1.52)	30/3277 (0.9)	22/1977 (1.1)	0.73 (0.46, 1.17)	15/1208 (1.2)	22/1189 (1.9)	0.68 (0.35, 1.31)	0.973	
Stroke	19/2005 (0.9)	25/1923 (1.3)	0.73 (0.4, 1.33)	14/3242 (0.4)	25/1923 (1.3)	0.7 (0.36, 1.37)	6/1188 (0.5)	12/1151 (1)	0.48 (0.18, 1.27)	0.663	
Hospitalization with wor- sening of heart failure	39/1961 (2)	54/1845 (2.9)	0.67 (0.44, 1.01)	62/3148 (7)	54/1845 (2.9)	0.96 (0.68, 1.35)	31/1141 (2.7)	39/1082 (3.6)	0.76 (0.47, 1.22)	6.432	
Hospitalization with acute coronary syndrome	22/2004 (1.1)	18/1929 (0.9)	1.19 (0.64.2.22)	18/3208 (0.6)	18/1929 (0.9)	0.61 (0.34, 1.09)	10/1180 (0.8)	12/1148 (1)	0.82 (0.35, 1.89)	0.229	
Secondary primary out- come—rights spent in hospital/yr	5.5 (17.9)	6.1 (19.2)	0.91 (0.72, 1.16)	5.3 (20.7)	6.1 (19.2)	1.79 (0.99, 1.43)	89 (32.4)	5.8 (13.8)	1.19 (0.87, 1.62)	0.193	
Key secondary outcomes at 2	years.										
Change in left vertricular ejection fraction	0.6-(10.4)	-0.5 (9.8)	0.18 (-1, 1.36)	1.6 (9.4)	-0.5 (9.8)	0.14 (-0.82, 1.1)	35 (10.6)	0.9 (11.7)	0.56 (-1.06, 2.17)	0.902	
Change in EQ-5D score	1.6 (16.7)	-1.2 (17.2)	153 (-1.74, 48)	1.1 (16.8)	-1.2 (17.2)	1.31 (-1.26, 3.89)	1.6 (19.6)	4 (19.1)	-0.25 (-4.58, 4.08)	0.797	
Change in SF-12 Mental Score	1(97)	1.7 (9.5)	-0.83 (-2.33, 0.68)	0.1 (10.3)	1.7 (9.5)	-1.37 (-2.5, -0.24)	2.6 (12.2)	2.8 (10.9)	-13 (-3.3, 071)	0.848	
Change in SF-12 Physical Score	-0.4 (8.3)	-1.2 (8.4)	0.84 (-0.57, 2.24)	0.5 (83)	-1.2.(8.4)	0.02 (-0.96, 1.01)	1.3 (9.1)	13 (8.9)	0.39 (-1.3, 2.08)	0.636	
Change in MoCA score	0.2 (3.4)	0.1 (3)	0.05 (-0.42, 0.53)	0.1 (3.2)	0.1 (7)	-0.06 (-0.42, 0.3)	-0.1 (3.4)	0.1 (3.1)		0.194	
Sinus rforthm	255/323 (78.9)	170/325 (52.3)	3.65 (2.56, 5.22)	450/538 (83.6)	120/05 (52.1)	121 (2.41, 428)	144/101 (84.9)	141/185 (74.7)	2.12 (1.2, 3.75)	0.787	Piedmont

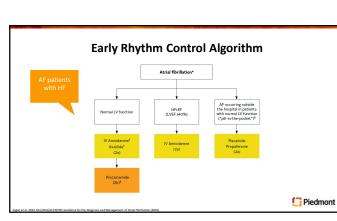
Table 4 Safety outcomes for EHRA score							
	EHR			RA II	EHRA		
	Early rhythm control	Usual care	Early rhythm control	Usual care	Early rhythm control	Usual care	NO significant difference asymptomatic vs. symptomatic groups in te of safety outcomes
n	395	406	666	692	244	230	
Primary composite safety outcome	79 (20.0)	63 (15.5)	99 (14.9)	105 (15.2)	44 (18.0)	43 (18.7)	
Stroke	19 (4.8)	25 (6.2)	14 (2.1)	22 (3.2)	6 (2.5)	12 (5.2)	
Death	45 (11.4)	40 (9.9)	59 (8.9)	84 (12.1)	29 (11.9)	30 (13.0)	
Serious adverse event of special interest related to rhythm control therapy	22 (5.6)	4 (1.0)	31 (4.7)	8 (1.2)	12 (4.9)	5 (2.2)	











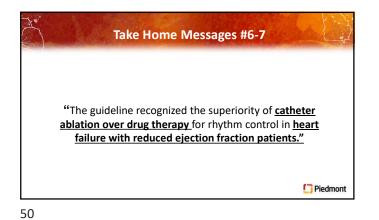


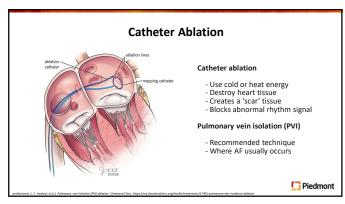
Assessment Question #4

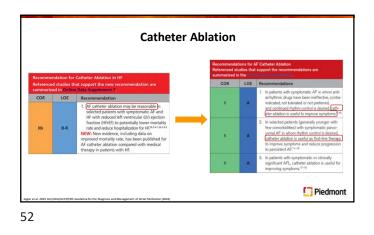
Which antiarrhythmic medication is recommended for HFrEF patients?

A.Amiodarone B.Flecainide C.Diltiazem D.Sotalol

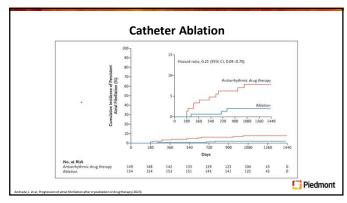
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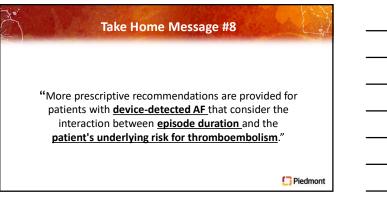


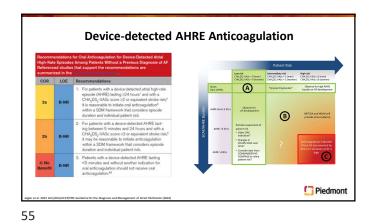


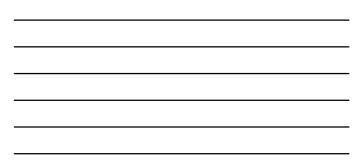




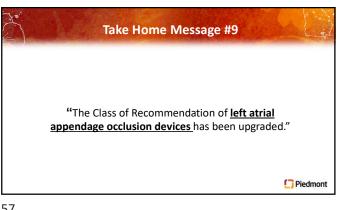
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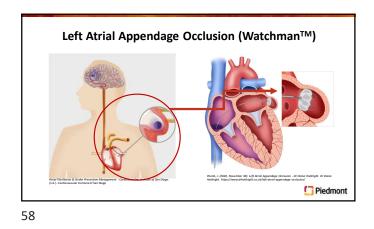






Device-detected AHRE Anticoagulation ASSERT Trial Enrolled 2580 patients • Pacemaker or ICD >65 year old, hx HTN, <u>NO AF hx</u> 2a Categorized patient by sub-clinical AF (SCAF) time >6 min, 6m-6h, 6h-24h, >24h • 20 • SCAF >24h associated with significant increase of stroke risk • HR 3.24 (1.51-6.95 p=0.003) [] Piedmont







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