		Elect	rophysiology Proced	ure Anticoagulation	and Antiplatelet Red	commendations	
		New Implants (PPM, ICD, CRT)	Generator Changes	Extractions	Epicardial, Left-sided VT and PVC Ablation	Atrial Fibrillation/ Flutter Ablation	Watchman Device
DFTs		Therapeutic anticoagulation for 3 consecutive weeks (or TEE) in presence of atrial arrhythmia	Not indicated unless specified by EP MD	N/A	N/A	N/A	N/A
CHADS ₂ score 5-6, HCM, prior stroke off a/c, mechanical mitral or tricuspid valve, stroke < 6 months prior to procedure		Talk with EP MD regarding anticoagulation recommendation					
warfarin	Pre- procedure (CHADS2 score ≤ 4)	Hold 2 days prior to procedure, unless DFTs indicated and/or patient with atrial arrhythmia.	Hold 2 days prior to procedure, unless DFTs indicated and/or patient with atrial arrhythmia. Procedure goal INR 2-2.5	Goal INR ≤ I.6 for procedure	Goal INR ≤ 1.6 for procedure	Goal INR 2-2.5 for 3 weeks prior to procedure	Goal INR 1.7-2.5 for procedure Lots of time: Transitio to warfarin any time prior to procedure There is limited time: Start Coumadin 5 days prior to procedure & discontinue DOAC 2 days prior to procedure
	Post- procedure	Restart the evening of the procedure	Restart the evening of the procedure	Restart the evening of the procedure	Restart the evening post procedure, minimum of 8 weeks	Restart the evening post procedure, minimum of 8 weeks	Restart the evening po procedure, minimum of 45 days
	TEE pre- procedure	N/A	N/A	N/A	If INR subtherapeutic any time in 3 weeks prior to procedure and patient in atrial fibrillation on the day of the procedure.	If INR subtherapeutic any time in 3 weeks prior to procedure and patient in atrial fibrillation on the day of the procedure. Timing: day prior or morning of or intraprocedure.	TEE performed with all Watchman device placements

Electrophysiology Procedure Anticoagulation and Antiplatelet Recommendations **New Implants** Epicardial, Left-sided Atrial Fibrillation/ Watchman **Generator Changes Extractions VT and PVC Ablation** Device (PPM, ICD, CRT) **Flutter Ablation** Pre-No heparin No heparin products (IV No heparin products (IV No heparin No heparin products No heparin products procedure products (IV or SQ) or SQ) for 6 hours prior or SQ) for 6 hours prior (IV or SQ) for 4 hours (IV or SQ) for 4 products (IV or SQ) for 6 hours prior to to procedure to procedure for 4 hours prior to prior to procedure hours prior to procedure procedure procedure No heparin products No heparin products (IV No heparin products (IV Restart (without bolus if Post-Restart (without Restart (without bolus or SQ) indicated for procedure (IV or SQ) indicated or SQ) indicated for bolus if IV): if IV): IV): for patients with timing per EP MD timing per EP MD (CHADS₂ patients with CHADS2 patients with CHADS₂ timing per EP MD CHADS₂ score ≤ 4 recommendation recommendation recommendation score ≤ 4 score ≤ 4 score ≤ 4 enoxaparin (Lovenox, SQ) Restart (without Restart (without bolus if | Restart (without bolus if Restart: timing per Restart: timing per EP Restart: timing per EP Postheparin (IV) procedure bolus if IV): timing IV):timing per EP MD IV): timing per EP MD EP MD MD recommendation MD recommendation (CHADS₂ per EP MD recommendation recommendation recommendation recommendation score >4) TEE If INR subtherapeutic TEE performed with all preany time in 3 weeks Watchman device procedure prior to procedure placements and patient in atrial fibrillation on the day N/A N/A N/A N/A of the procedure. Timing: day prior or morning of or intraprocedure.

Electrophysiology Procedure Anticoagulation and Antiplatelet Recommendations **New Implants** Epicardial, Left-sided Atrial Fibrillation/ Watchman **Generator Changes Extractions** VT and PVC Ablation (PPM, ICD, CRT) Flutter Ablation Device Pre-Hold for I dose Hold for I dose prior CrCl > 50: hold 2 CrCl > 50: hold 2 If taken with morning Discontinue with start of procedure prior to the to the procedure days days meal: hold the warfarin for procedure (CHADS2 procedure (evening (evening prior to CrCl 15-49: hold 3 days CrCl 15-49: hold 3 morning of procedure prior to procedure procedure vs days If taken with evening score vs morning of morning of meal: continue ≤ 4) procedure procedure depending uninterrupted depending on patient's regimen) patient's regimen) Restart with Restart with evening Restart with Restart the evening Restart the evening Not indicated Postedoxaban procedure evening dose dose evening dose 48 post procedure, post procedure, (Savaysa) hours post minimum of 8 minimum of 8 weeks procedure weeks rivaroxaban TEE Day prior to, or If uninterrupted TEE performed with all (Xarelto) pre- or morning of, or anticoagulation for 21 Watchman device intraintra-procedure if consecutive days: no placements procedure patient in atrial TEE indicated fibrillation/flutter If subtherapeutic N/A N/A N/A on the day of the anticoagulation: day scheduled ablation prior to, or morning of, or intra-procedure on the day of the scheduled ablation Pre-Hold dose the Hold dose the Eliquis: hold 2 days Eliquis: hold 2 days Hold dose the Discontinue with start of Pradaxa: Pradaxa: procedure evening prior and evening prior and morning of procedure warfarin for procedure (CHADS₂ morning of morning of CrCl > 80: hold 2 days CrCl > 80: hold 2 days procedure procedure CrCl 50-79: hold 3 days CrCl 50-79: hold 3 days score CrCl 30-49: hold 4 days CrCl 30-49: hold 4 days ≤ 4) CrCl 15-29: hold 5 days CrCl 15-29: hold 5 days Post-Restart with Restart with evening Restart with Restart the evening Restart the evening Not indicated procedure evening dose dose evening dose 48 post procedure. post procedure. apixaban hours post minimum of 8 minimum of 8 weeks (Eliquis) procedure weeks TEE Day prior to, or If uninterrupted TEE performed with all dabigatran morning of, or anticoagulation for 21 Watchman device pre or intra-(Pradaxa) procedure intra-procedure if consecutive days: no placements patient in atrial TEE indicated fibrillation/flutter If subtherapeutic N/A N/A N/A on the day of the anticoagulation: day scheduled ablation prior to, or morning of, or intra-procedure on the day of the

scheduled ablation

Electrophysiology Procedure Anticoagulation and Antiplatelet Recommendations **New Implants Epicardial, Left-sided** Watchman Atrial Fibrillation/ **Generator Changes Extractions** VT and PVC Ablation (PPM, ICD, CRT) **Flutter Ablation** Device uninterrupted Pre-Uninterrupted if Uninterrupted if only Uninterrupted if uninterrupted Continue aspirin agent, otherwise uninterrupted; procedure only agent, only agent, (CHADS2 otherwise hold 7 hold 7 days otherwise hold 7 clopidogrel as below score days days ≤ 4), PCÍ/CABG > 12 months Post-Restart on 5th day Restart on 5th day Restart on 5th day Restart evening Restart evening after Refer to Dr. Goessl post procedure procedure post procedure post procedure after procedure procedure aspirin clopidogrel (Plavix) Stent < 6 Refer to Dr. Goessl prasugrel uninterrupted uninterrupted uninterrupted uninterrupted uninterrupted (Effient) months ticagrelor (Brilinta) Stent 6-12 single agent single agent single agent Refer to Dr. Goessl single agent single agent months