EP reading list

Atrial arrhythmias

Spontaneous initiation of atrial fibrillation by ectopic beats originating in the pulmonary veins

Treatment of atrial fibrillation with antiarrhythmic drugs or radiofrequency ablation: two systematic literature reviews and meta-analyses.

Long-term results of catheter ablation in paroxysmal atrial fibrillation: lessons from a 5-year follow-up.
Circulation. 2010 Dec 7;122(23):2368-77.

Mapping and ablation of left atrial tachycardias occurring after atrial fibrillation ablation
Gerstenfeld EP, Marchlinski FE.

Long-term outcomes after catheter ablation of cavo-tricuspid isthmus dependent atrial flutter: a meta-analysis.
Pérez FJ, Schubert CM, Parvez B, Pathak V, Ellenbogen KA, Wood MA.

Catheter ablation of atrial fibrillation: randomized controlled trials and registries, a look back and the view forward.

Systematic review: comparative effectiveness of radiofrequency catheter ablation for atrial fibrillation.

Antiarrhythmic drug therapy for atrial fibrillation.
Zimetbaum P.

Contemporay management of atrial flutter.
Wellens H.
Subclinical atrial fibrillation and the risk of stroke.  

**Ventricular arrhythmias & sudden cardiac death**

Linear ablation lesions for control of unmappable ventricular tachycardia in patients with ischemic and nonischemic cardiomyopathy.  
Marchlinski FE, Callans DJ, Gottlieb CD, Zado E.  

Nonsurgical transthoracic epicardial catheter ablation to treat recurrent VT occurring late after myocardial infarction.  
Sosa E, Scanavacca M, d’Avila A, Oliveira F, Ramires JA.  

Mapping and ablation of idiopathic ventricular fibrillation.  

Radiofrequency Catheter Ablation for Ventricular Tachycardia  
Haqqani HM, Roberts-Thomson KC.  
Heart Lung Circ. 2012 Jan 9. [Epub ahead of print]

Ablation of ventricular arrhythmias in arrhythmogenic right ventricular dysplasia.  
Arbelo E, Josephson ME.  

Long-term outcomes of combined epicardial and endocardial ablation of monomorphic ventricular tachycardia related to hypertrophic cardiomyopathy.  
Dukkipati SR, d’Avila A, Soejima K, Bala R, Inada K, Singh S, Stevenson WG, Marchlinski FE, Reddy VY.  

Clinical and electrophysiological spectrum of idiopathic ventricular outflow tract arrhythmias.  
Kim RJ, Iwai S, Markowitz SM, Shah BK, Stein KM, Lerman BB.  

Ventricular tachycardia ablation remains treatment of last resort in structural heart disease: argument for earlier intervention.  
Frankel DS, Mountantonakis SE, Robinson MR, Zado ES, Callans DJ, Marchlinski FE.  
Characterization of the arrhythmogenic substrate in ischemic and nonischemic cardiomyopathy implications for catheter ablation of hemodynamically unstable ventricular tachycardia.
Nakahara S, Tung R, Ramirez RJ, Michowitz Y, Vaseghi M, Buch E, Gima J, Wiener I, Mahajan A, Boyle NG, Shivkumar K.

Sudden cardiac death caused by coronary heart disease.
Myerburg RJ, Junttila MJ.

Sudden Cardiac Death and Genetic Ion Channelopathies: Long QT, Brugada, Short QT, Catecholaminergic Polymorphic Ventricular Tachycardia, and Idiopathic Ventricular Fibrillation.
Napolitano C, Bloise R, Monteforte N, Priori SG.
Circulation. 2012 Apr 24;125(16):2027-34.

Supraventricular tachycardias & EP fundamentals

Principles of entrainment: diagnostic utility for supraventricular tachycardia
Veenhuyzen GD, Quinn FR.


Development and validation of an ECG algorithm for identifying accessory pathway ablation site in Wolff-Parkinson-White syndrome

Using the twelve-lead electrocardiogram to localize the site of origin of ventricular tachycardia.
Josephson ME, Callans DJ.

Principles of electroanatomic mapping.
Bhakta D, Miller JM.

Intracardiac echocardiography in complex cardiac catheter ablation procedures.
Banchs JE, Patel P, Naccarelli GV, Gonzalez MD.
Cardiac anatomy for the interventional arrhythmologist: I. terminology and fluoroscopic projections.

EGC diagnosis of paroxysmal supraventricular tachycardias in patients without preexcitation.
González-Torrecilla E, Arenal A, Atienza F, Datino T, Atea LF, Calvo D, Pachón M, Miracle A, Fernández-Avilés F.

Diagnostic pacing maneuvers for supraventricular tachycardia: part 1.
Veenhuyzen GD, Quinn FR, Wilton SB, Clegg R, Mitchell LB.

Veenhuyzen GD, Quinn FR, Wilton SB, Clegg R, Mitchell LB.

RF catheter ablation: Lessons on lesions.
Wittkampf FH, Nakagawa H.

EP suggested preparatory questions

“Cardiac Arrhythmia Challenge” App
iOS: https://itunes.apple.com/ch/app/cardiac-arrhythmia-challenge/id1342635095?mt=8

Landmark papers in clinical cardiac electrophysiology

1967: Tachycardias can be induced, mapped and terminated by intracardiac stimulation.

1968: Arrhythmias can be cured by surgical ablation.

1969: The His bundle electrogram is first observed.
Scherlag BJ, Lau SH, Helfant RH, Berkowitz WD, Stein E, Damato AN. Catheter technique for recording His

1978: Entrainment for mapping and interruption of tachyarrhythmias.

1980: The implantable cardiac defibrillator is used to terminate ventricular arrhythmias.

1982: Catheter ablation of arrhythmias through intracardiac shocks.

1987: Catheter ablation of arrhythmias through radiofrequency.

1989: Surgical lesions in the atria can be used to treat atrial fibrillation.

1989: Prophylactic antiarrhythmic drug therapy may kill more lives than it saves.


1998: Left ventricular pacing from within the coronary sinus.

2000: Pulmonary vein isolation for catheter ablation of atrial fibrillation.

2000: Epicardial ablation of ventricular arrhythmias