IBHRE-C3 SELECTED ARTICLES

Certified Cardiac Device Specialist (CCDS)

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Topic	Article Title	Access	Date Added
Clinical Assessment & Electrocardiography	Device Programming for His Bundle Pacing **Circulation: Arrhythmia and Electrophysiology** **February 2019** https://www.ahajournals.org/doi/10.1161/CIRCEP.118.006816	**No Cost**	9/28/2023
Clinical Assessment & Electrocardiography	His-Bundle Pacing is the Best Approach to Physiological Pacing **Heart Rhythm O2** **April 2020** https://www.heartrhythmopen.com/article/S2666-5018(20)30008-8/fulltext	**No Cost**	9/28/2023
Clinical Assessment & Electrocardiography	Pacing in vasovagal syncope: physiology, pacemaker sensors, and recent clinical trials-precise patient selection and measurable benefit **Heart Rhythm** **May 2020** https://pubmed.ncbi.nlm.nih.gov/32036025/	**Membership Required C3 Access Granted**	5/11/2023
Clinical Assessment & Electrocardiography	2014 AHA/ACC/HRS Guideline for the Management of Patients with Atrial Fibrillation: a Report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines and the Heart Rhythm Society **Journal of the American College of Cardiology** **March 28, 2014** https://www.sciencedirect.com/science/article/pii/S0735109714017409?via%3Dihub	**No Cost**	4/4/2023
Clinical Assessment & Electrocardiography	2015 Heart Rhythm Society Expert Consensus Statement on the Diagnosis and Treatment of Postural Tachycardia Syndrome, Inappropriate Sinus Tachycardia, and Vasovagal Syncope **Heart Rhythm** **May 14, 2015** https://pubmed.ncbi.nlm.nih.gov/25980576/	**No Cost**	4/4/2023
Clinical Assessment & Electrocardiography	2018 ACC/AHA/HRS Guideline on the Evaluation and Management of Patients with Bradycardia and Cardiac Conduction Delay: Executive Summary: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines, and the Heart Rhythm Society **Circulation** **November 2018** https://www.ahajournals.org/doi/10.1161/CIR.0000000000000627	**No Cost**	4/4/2023
Clinical Assessment & Electrocardiography	2022 HRS Expert Consensus Statement on Evaluation and Management of Arrhythmic Risk in Neuromuscular Disorders	**No Cost**	4/4/2023

	Heart Rhythm Society **October 2022** https://www.heartrhythmjournal.com/action/showPdf?pii=S1547-5271%2822%2901946-4		
Clinical Assessment & Electrocardiography	Diagnosis and Management of Patients with Heart Failure with Preserved Ejection Fraction (HFpEF): Current Perspectives and Recommendations **Therapeutics and Clinical Risk Management** **2020** https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7450524/pdf/tcrm-16-769.pdf	**No Cost**	4/4/2023
Clinical Assessment & Electrocardiography	European Society of Cardiology (ESC) clinical consensus statement on indications for conduction system pacing, with special contribution of the European Heart Rhythm Association of the ESC and endorsed by the Asia Pacific Heart Rhythm Society, the Canadian Heart Rhythm Society, the Heart Rhythm Society, and the Latin American Heart Rhythm Society **EP Europace** **April 2025** https://academic.oup.com/europace/article/27/4/euaf050/8100402	**No Cost**	12/22/2025
Clinical Assessment & Electrocardiography	Left ventricle pacing challenges in cardiac resynchronization therapy systems **Indian Pacing and Electrophysiology Journal** **August 2021** https://pmc.ncbi.nlm.nih.gov/articles/PMC8263312/	**No Cost**	12/22/2025

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Clinical Assessment & Electrocardiography	2017 AHA/ACC/HRS Guideline for Management of Patients with Ventricular Arrhythmias and the Prevention of Sudden Cardiac Death **Circulation** **2018** https://www.ahajournals.org/doi/10.1161/CIR.0000000000000549	**No Cost**	3/24/2023
Clinical Assessment & Electrocardiography	Management of Hypertrophic Cardiomyopathy: JACC State-of-the-Art Review **Journal of the American College of Cardiology** **February 1, 2022** https://www.jacc.org/doi/epdf/10.1016/j.jacc.2021.11.021	**No Cost**	3/24/2023
Clinical Assessment & Electrocardiography	Magnetic Resonance Imaging in Patients with Cardiac implantable Electronic Devices with Abandoned Leads **JAMA Cardio.** **February 17, 2021** https://jamanetwork.com/journals/jamacardiology/fullarticle/2776350	**No Cost**	3/3/2023
Clinical Assessment & Electrocardiography	Management of Arrhythmias in Cardiac Amyloidosis: State-Of-The-Art Review **J Am Coll Cardiol EP** **April 6, 2020** https://www.jacc.org/doi/10.1016/j.jacep.2020.01.004	**No Cost**	3/3/2023
Clinical Assessment & Electrocardiography	Evolution of Risk Stratification and Sudden Death Prevention in Hypertrophic Cardiomyopathy: Twenty Years with the Implantable Cardioverter-Defibrillator **Heart Rhythm** **January 25,2021** https://www.heartrhythmjournal.com/article/S1547-5271(21)00047-3/fulltext	**No Cost**	10/4/2022
Clinical Assessment & Electrocardiography	Implantable Defibrillator Therapy in Cardiac Arrest Survivors with a Reversible Cause **Circulation: Arrythmia and Electrophysiology** **March 15, 2018** https://www.ahajournals.org/doi/10.1161/CIRCEP.117.005940	**No Cost**	10/4/2022
Clinical Assessment & Electrocardiography	Troubleshooting Implanted Cardioverter-Defibrillator Sensing Problems II - Part 2 of a 2-Part Series **Circulation: Arrhythmia and Electrophysiology** **February 1, 2015** https://www.ahajournals.org/doi/epdf/10.1161/CIRCEP.114.002514	**No Cost**	1/13/2022
Clinical Assessment & Electrocardiography	Electrocardiographic Analysis for HIS Bundle Pacing at Implantation and Follow-up **Journal of the American College of Cardiology: Clinical Electrophysiology** **July 2020**	**No Cost**	1/12/2022

	https://reader.elsevier.com/reader/sd/pii/S2405500X20302383?token=83760852A051BA976FB3190865780B4E23034643A869E237F2FD0A4497B0FFC032650727E188DA2D289DCCB198C1FB54&originRegion=us-east-1&originCreation=20211215172540		
Clinical Assessment & Electrocardiography	Left Bundle Branch Area Pacing vs Biventricular Pacing for Cardiac Resynchronization: A Systematic Review and Meta-analysis **Heart Rhythm O2** **November 2023** https://www.sciencedirect.com/science/article/pii/S2666501823001629?via%3Dihub	**No Cost**	12/20/2024

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Fundamentals & Applied Science and Technology	Safety and Efficacy of the Subcutaneous Implantable Defibrillator **Journal of the American College of Cardiology** **February 2, 2016** https://www.sciencedirect.com/science/article/pii/S0735109715074793?via%3Dihub	**No Cost**	10/4/2022
Fundamentals & Applied Science and Technology	Repetitive non-reentrant ventriculoatrial synchrony: An underrecognized cause of pacemaker-related arrhythmia **Heart Rhythm** **2016** https://pubmed.ncbi.nlm.nih.gov/27050909/	**No Cost**	5/11/2023
Fundamentals & Applied Science and Technology	Bioengineering the Cardiac Conduction System: Advances in Cellular, Gene, and Tissue Engineering for Heart Rhythm Regeneration **Front Bioeng Biotechnol** **August 2, 2021** https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8365186/pdf/fbioe-09-673477.pdf	**No Cost**	4/5/2023
Fundamentals & Applied Science and Technology	Inappropriate Sinus Tachycardia: Etiology, Pathophysiology, and Management: JACC Review Topic of the Week **JACC** **June 21, 2022** https://www.jacc.org/doi/epdf/10.1016/j.jacc.2022.04.019	**No Cost**	4/5/2023
Fundamentals & Applied Science and Technology	2020 ESC Guidelines for the Diagnosis and Management of Atrial Fibrillation **European Heart Journal** **August 29, 2020** https://academic.oup.com/eurheartj/article/42/5/373/5899003	**No Cost**	3/3/2023
Fundamentals & Applied Science and Technology	Impedance in the Diagnosis of Lead Malfunction **Circulation: Arrhythmia and Electrophysiology** **February 2020** https://www.ahajournals.org/doi/epub/10.1161/CIRCEP.119.008092	**No Cost**	3/3/2023

Fundamentals & Applied Science and Technology	Adapting Detection Sensitivity Based on Evidence of Irregular Sinus Arrhythmia to Improve Atrial Fibrillation Detection in Insertable Cardiac Monitors **EP Europace** **2018** https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6277148/pdf/eux272.pdf	**No Cost**	1/11/2022
Fundamentals & Applied Science and Technology	The V6-V1 Interpeak Interval: A Novel Criterion for the Diagnosis of Left Bundle Branch Capture **Europace** **January 2022** https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8742628	**No Cost**	12/20/2024
Fundamentals & Applied Science and Technology	Anticoagulation with Edoxaban in Patients with Atrial High-Rate Episodes **New England Journal of Medicine** **2023** https://www.nejm.org/doi/full/10.1056/NEJMoa2303062?query=recirc_curatedRelated_article	**No Cost**	12/20/2024
Fundamentals & Applied Science and Technology	Association of chronic kidney disease and end-stage renal disease with procedural complications and inpatient outcomes of leadless pacemaker implantations across the United States **Heart Rhythm** **2024** https://pubmed.ncbi.nlm.nih.gov/38574789/	**C3 Access**	6/1/2025
Fundamentals & Applied Science and Technology	Leadless Ultrasound-Based Cardiac Resynchronisation System in Heart Failure **JAMA Cardiology** **2024** https://www.ncbi.nlm.nih.gov/pmc/articles/PMC11292567/	**No Cost**	6/1/2025
Fundamentals & Applied Science and Technology	Cardiac Conduction System Pacing: A Comprehensive Update **J Am Coll Cardiol EP** **2023** https://www.jacc.org/doi/10.1016/j.jacep.2023.06.005	**No Cost**	12/22/2025
Patient and Device Follow-Up Management and Radiology	Clinical performance of implantable cardioverter defibrillator lead monitoring diagnostics **Heart Rhythm Journal** **March 2022** https://www.heartrhythmjournal.com/action/showPdf?pii=S1547-5271%2821%2902328-6	**No Cost**	9/28/2023
Patient and Device Follow-Up Management and Radiology	Antitachycardia Pacing Success in Implantable Cardioverter-Defibrillators by Patient, Device, and Programming Characteristics **Heart Rhythm** **2023** https://www.heartrhythmjournal.com/action/showPdf?pii=S1547-5271%2822%2902517-6	**No Cost**	12/20/2024
Patient and Device Follow-Up Management and Radiology	Subcutaneous or Transvenous Defibrillator Therapy **The New England Journal of Medicine** **August 6, 2020** https://www.nejm.org/doi/pdf/10.1056/NEJMoa1915932?articleTools=true	**No Cost**	9/28/2023

Topic	Article Title	Access	Date Added
Patient and Device Follow-Up Management and Radiology	Electrocardiographic interpretation of pacemaker algorithms enabling minimal ventricular pacing **Heart Rhythm** **2020** https://pubmed.ncbi.nlm.nih.gov/32413512/	**C3 Access**	5/11/2023
Patient and Device Follow-Up Management and Radiology	Early Lead Extraction for Infected Implanted Cardiac Electronic Devices: JACC Review Topic of the Week **Journal of the American College of Cardiology** **April 2023** https://www.jacc.org/doi/10.1016/j.jacc.2023.01.038	**No Cost**	9/28/2023
Patient and Device Follow-Up Management and Radiology	Current Clinical Practice in Patients with Cardiac Implantable Electronic Devices Undergoing Radiotherapy: a Literature Review **Europace** **September 13, 2021** https://academic.oup.com/europace/article/24/3/362/6369570?login=false	**No Cost**	3/3/2023
Patient and Device Follow-Up Management and Radiology	Long-Term Outcomes Among a Nationwide Cohort of Patients Using an Implantable Cardioverter-Defibrillator: UMBRELLA Study Final Results **JAHA** **December 25, 2020** https://www.ahajournals.org/doi/epub/10.1161/JAHA.120.018108	**No Cost**	3/3/2023
Patient and Device Follow-Up Management and Radiology	Antibacterial Envelope to Prevent Cardiac Implantable Device Infection **The New England Journal of Medicine** **May 16, 2019** https://www.nejm.org/doi/pdf/10.1056/NEJMoa1901111?articleTools=true	**No Cost**	1/13/2022
Patient and Device Follow-Up Management and Radiology	Bradycardia Pacing-Induced Short-Long-Short Sequences at the Onset of Ventricular Tachyarrhythmias - A Possible Mechanism of Proarrhythmia? **Journal of the American College of Cardiology** **August 14, 2007** https://www.jacc.org/doi/10.1016/j.jacc.2007.02.077	**No Cost**	1/13/2022
Patient and Device Follow-Up Management and Radiology	Trends of Cardiovascular Implantable Electronic Device Infection in 3 Decades: A Population-Based Study **Journal of the American College of Cardiology: Clinical Electrophysiology** **September 2019** https://www.sciencedirect.com/science/article/pii/S2405500X19304773	**No Cost**	1/13/2022
Patient and Device Follow-Up Management and Radiology	Cardiac Pacemakers: Function, Troubleshooting and Management. Part 1 **Journal of the American College of Cardiology** **January 17, 2017** https://www.jacc.org/doi/10.1016/j.jacc.2016.10.061	**No Cost**	1/13/2022
Patient and Device Follow-Up Management and Radiology	Clinical Outcomes in Conduction System Pacing Compared to Right Ventricular Pacing in Bradycardia **JACC: Clinical Electrophysiology** **2023** https://www.jacc.org/doi/full/10.1016/j.jacep.2022.10.016	**No Cost**	6/1/2025

Patient and Device Follow-Up Management and Radiology	Atrioventricular optimization improves cardiac resynchronization response in patients with long interventricular electrical delays: A pooled analysis of the SMART-AV and SMART-CRT trials **Heart Rhythm** **2024** https://pubmed.ncbi.nlm.nih.gov/38604592/	**C3 Access**	6/1/2025
Patient and Device Follow-Up Management and Radiology	Cardiac pacing and lead devices management: 25 years of research at EP Europace journal **EP Europace** **August 2023** https://doi.org/10.1093/europace/euad202	**No Cost**	12/22/2025

Topic	Article Title	Access	Date Added
Perioperative Practice/Clinical Practice & Safety	Risk Factors for CIED Infection After Secondary Procedures Insights From the WRAP-IT Trial **JACC: Clinical Electrophysiology** **January 2022** https://www.sciencedirect.com/science/article/pii/S2405500X21007660 (Copy link into browser)	**No Cost**	9/28/2023
Perioperative Practice/Clinical Practice & Safety	Risk factors for hematoma in patients undergoing cardiac device procedures: A WRAP-IT trial analysis **Heart Rhythm O^2** **October 2022** https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9626743/	**No Cost**	9/28/2023
Perioperative Practice/Clinical Practice & Safety	Indications for Cardiac Resynchronization Therapy: A Comparison of the Major International Guidelines **JACC: Heart Failure** **April 2018** https://www.sciencedirect.com/science/article/pii/S2213177918301203#! (Copy link into browser.)	**No Cost**	9/28/2023
Perioperative Practice/Clinical Practice & Safety	A Review of Cardiac Implantable Electronic Device Infections for the Practicing Electrophysiologist: State of the Art Review **JACC: Clinical Electrophysiology** **June 2021** https://www.jacc.org/doi/10.1016/j.jacep.2021.03.021	**No Cost**	9/28/2023
Perioperative Practice/Clinical Practice & Safety	Infections Associated with Resterilized Pacemakers and Defibrillators **The New England Journal of Medicine** **May 2020** https://www.nejm.org/doi/full/10.1056/NEJMoa1813876	**No Cost**	9/28/2023

Perioperative Practice/Clinical Practice & Safety	Clinical predictors of incomplete coronary sinus lead removal during transvenous lead extraction in patients with cardiac resynchronization therapy **Heart Rhythm Journal** **March 2023** https://www.heartrhythmjournal.com/article/S1547-5271(23)00244-8/fulltext	**No Cost**	9/28/2023
Perioperative Practice/Clinical Practice & Safety	Troubleshooting and programming considerations for HIS bundle pacing **Heart Rhythm** **2019** https://pubmed.ncbi.nlm.nih.gov/31036247/	**Membership Required C3 Access Granted**	5/11/2023
Perioperative Practice/Clinical Practice & Safety	HRS/ACC/AHA Expert Consensus Statement on the Use of Implantable Cardioverter-defibrillator Therapy in Patients Who are Not Included or Not Well Represented in Clinical Trials **Circulation** **May 2014** https://www.ahajournals.org/doi/10.1161/CIR.0000000000000056	**No Cost**	4/4/2023
Perioperative Practice/Clinical Practice & Safety	Heart Rhythm Society Expert Consensus Statement on Electrophysiology Laboratory Standards: Process, Protocols, Equipment, Personnel, and Safety **Heart Rhythm Society** **May 7, 2014** https://www.heartrhythmjournal.com/article/S1547-5271(14)00334-8/fulltext	**No Cost**	3/28/2023

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Perioperative Practice/Clinical Practice & Safety	Leadless Pacemakers Reduce Risk of Device-Related Infection: Review of the Potential Mechanisms **Heart Rhythm** **August 2020** https://www.heartrhythmjournal.com/article/S1547-5271(20)30280-0/fulltext	**No Cost**	3/28/2023
Perioperative Practice/Clinical Practice & Safety	Left Bundle Branch Area Pacing for Cardiac Resynchronization Therapy: Results from the International LBBAP Collaborative Study Group **JACC: Clinical Electrophysiology** **February 2021** https://doi.org/10.1016/j.jacep.2020.08.015	**No Cost**	4/4/2023
Perioperative Practice/Clinical Practice & Safety	Tine-Based Leadless Pacemaker: Strategies for Safe Implantation in Unconventional Clinical Scenarios **JACC: Clinical Electrophysiology** **October 2020**	**No Cost**	4/4/2023

	https://www.jacc.org/doi/10.1016/j.jacep.2020.08.021		
Perioperative Practice/Clinical Practice & Safety	Occupational radiation exposure in the electrophysiology laboratory with a focus on personnel with reproductive potential and during pregnancy: A European Heart Rhythm Association (EHRA) consensus document endorsed by the Heart Rhythm Society (HRS) **EP Europace** **November 6, 2017** https://academic.oup.com/europace/article/19/12/1909/4596571	**No Cost**	3/3/2023
Perioperative Practice/Clinical Practice & Safety	Cardiac Resynchronization Therapy in Patients with Nonischemic Cardiomyopathy Using Left Bundle Branch Pacing **JACC: Clinical Electrophysiology** **July 2020** https://www.jacc.org/doi/abs/10.1016/j.jacep.2020.04.011	**No Cost**	10/4/2022
Perioperative Practice/Clinical Practice & Safety	EHRA Expert Consensus Statement and Practical Guide on Optimal Implantation Technique for Conventional Pacemakers and Implantable Cardioverter-defibrillators: Endorsed by the Heart Rhythm Society (HRS), the Asia Pacific Heart Rhythm Society (APHRS), and the Latin-American Heart Rhythm Society (LAHRS) **EP Europace** **July 2021** https://academic.oup.com/europace/article/23/7/983/6240171?login=false	**No Cost**	10/4/2022
Perioperative Practice/Clinical Practice & Safety	Prevention of Arrhythmia Device Infection Trial: The PADIT Trial **Journal of the American College of Cardiology** **December 18, 2018** https://reader.elsevier.com/reader/sd/pii/S073510971838834X?token=6ABC9DA85FD54A2C9B45E7AD18F5F389147C748E38AFD39C44858E418E5CA6D4B650182B15F107EA0461953065CA6096&originRegion=us-east-1&originCreation=20211221223141	**No Cost**	1/13/2022
Perioperative Practice/Clinical Practice & Safety	Improving Cardiac Resynchronization Therapy **Arrhythmia Electrophysiology Review** **July 2019** https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6702464/	**No Cost**	1/11/2022
Perioperative Practice/Clinical Practice & Safety	2023 HRS/APHRS/LAHRS Guideline on Cardiac Physiologic Pacing for the Avoidance and Mitigation of Heart Failure **Heart Rhythm** **2023** https://www.sciencedirect.com/science/article/pii/S154752712302026X?via%3Dihub	**No Cost**	12/20/2024
Perioperative Practice/Clinical Practice & Safety	EHRA Clinical Consensus Statement on Conduction System Pacing Implantation: Endorsed by the Asia Pacific Heart Rhythm Society (APHRS), Canadian Heart Rhythm Society (CHRS), and Latin American Heart Rhythm Society (LAHRS) **Europace** **April 2023** https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10105878/	**No Cost**	12/20/2024

Perioperative Practice/Clinical Practice & Safety	Indications for Cardiac Resynchronization Therapy A Comparison of the Major International Guidelines **JACC: Heart Failure** **2018** https://www.sciencedirect.com/science/article/pii/S2213177918301203#!	**No Cost**	6/1/2025
Perioperative Practice/Clinical Practice & Safety	2018 EHRA expert consensus statement on lead extraction: recommendations on definitions, endpoints, research trial design, and data collection requirements for clinical scientific studies and registries: endorsed by APHRS/HRS/LAHRS **Europace** **2018** https://pubmed.ncbi.nlm.nih.gov/29566158/	**No Cost**	6/1/2025
Perioperative Practice/Clinical Practice & Safety	Cardiac Pacemakers: Function, Troubleshooting, and Management Part 1 of a 2-Part Series **Journal of the American College of Cardiology** **January 2017** https://www.sciencedirect.com/science/article/pii/S073510971637067X	**No Cost**	12/20/2024
Perioperative Practice/Clinical Practice & Safety	Multipoint pacing is associated with reduction of heart failure hospitalizations or death in patients who do not respond to cardiac resynchronization therapy: results of the MORE-CRT MPP randomized trial **EP Europace** **June 2025** https://pmc.ncbi.nlm.nih.gov/articles/PMC12131796/	**No Cost**	12/22/2025
Perioperative Practice/Clinical Practice & Safety	Left Bundle Branch Pacing vs Left Ventricular Septal Pacing vs Biventricular Pacing for Cardiac Resynchronization Therapy **J Am Coll Cardiol EP** **February 2024** https://www.jacc.org/doi/10.1016/j.jacep.2023.10.016	**No Cost**	12/22/2025
Perioperative Practice/Clinical Practice & Safety	His Bundle Pacing and Left Bundle Branch Pacing in Patients with Heart Failure **Biomedicines** **2024** https://www.mdpi.com/2227-9059/12/10/2356	**No Cost**	12/22/2025