

CURRICULUM VITAE (revised December 2021)

Mark A. Marieb, M.D., F.A.C.C., F.H.R.S., F.A.H.A., CCDS

BIRTHDATE: December 28, 1959

BIRTHPLACE: St. Louis, MO

ADDRESS: 91 Hampton Close
Orange, CT 06477

**HIGHER
EDUCATION:** BA/MD Combined Program, Boston University
1977-1984

Undergraduate: Boston University 1984
Degree: BA, Medical Sciences. Honors: Summa Cum Laude

Medical School: Boston University 1984
Degree: MD. Honors: Magna Cum Laude

**MEDICAL
TRAINING:** 7/1984-6/1985
Internship: Internal Medicine, Yale-New Haven Hospital,
New Haven, Connecticut

7/1985-6/1987
Residency: Internal Medicine, Yale-New Haven Hospital.

7/1987-6/1988
Chief Residency (selected as chief resident): Internal Medicine,
Yale New-Haven Hospital and Instructor in Medicine, Yale
University School of Medicine.

**SUBSPECIALTY
TRAINING:** 7/1988-6/1989
Fellowship in Cardiology, University of Virginia Health Sciences
Center

7/1989-6/1991
Fellowship in Cardiology and Cardiac Electrophysiology,
Yale University School of Medicine

**PRACTICE
EXPERIENCE:** 7/1991-7/1993
Cardiothoracic and Vascular Group, Electrophysiology and
Cardiology

8/1993-6/2009

Arrhythmia Center of Connecticut, PC, Electrophysiology and Cardiology

6/2009-6/2017

Yale University School of Medicine, Section of Cardiovascular Medicine, Electrophysiology and Cardiology

7/2017-7/2021

Hartford HealthCare Heart and Vascular Institute, Electrophysiology and Cardiology. Position: System Director Electrophysiology Labs

12/2021-Present

Griffin Faculty Practice/Griffin Health

Position: Director Griffin Heart Rhythm Center, Director of Electrophysiology

HONORS AND AWARDS:

Phi Beta Kappa, Boston University 1984

Alpha Omega Alpha, Co-President, Boston University School of Medicine, received in Junior Year, 1983-1984

Dean Eleanor Tyler Memorial Award and Internal Medicine Award, Boston University School of Medicine, 1984.

Samuel D. Kushlan Award, for Intern and the Resident contributing most to patient care, Yale-New Haven Hospital, 1984-1985 and 1985-1986

Class of 1977 Distinguished Achievement in the Field of Health and Medical Services, Amity Regional School District No. 5 Hall of Honor, May 2008

ACADEMIC APPOINTMENTS:

Clinical Instructor in Medicine, Yale University School of Medicine, 1987-1988 and 1992-1995

Assistant Professor in Medicine, Yale University School of Medicine, July 1995-June 2009

Associate Professor in Medicine, Yale University School of Medicine, June 2009-June 2017

Clinical Director of Electrophysiology, Yale University School of Medicine and Yale New Haven Hospital, June 2009-June 2017

Associate Clinical Professor in the AAPN Specialty, Yale School of Nursing, July 2014-Present

Assistant Professor in the Department of Medicine, University of Connecticut School of Medicine, October 2017-August 2019

Associate Professor in the Department of Medicine, University of Connecticut School of Medicine, August 2019-Present

CERTIFICATION:

Board Certified, Internal Medicine, The American Board of Internal Medicine, No. 114595, Sept.15, 1988

Board Certified, Cardiovascular Diseases, The American Board of Internal Medicine, No. 114595, Nov. 6, 1991

Testamur, NASPEExam (passed NASPEExam, exam for Special Competency in Cardiac Pacing), Certificate No. 456, Dec. 2, 1991

Board Certified, Clinical Cardiac Electrophysiology, The American Board of Internal Medicine, No. 114595, Nov. 1992

Board Certified, Cardiovascular Diseases, The American Board of Internal Medicine, No. 114595, 2000

Board Certified, Clinical Cardiac Electrophysiology, The American Board of Internal Medicine, No. 114595, 2000

Board Certified, Cardiovascular Disease, The American Board of Internal Medicine, No. 114595, 2011

Board Certified, Clinical Cardiac Electrophysiology, The American Board of Internal Medicine, No. 114595, 2012

Certified Cardiac Device Specialist, IBHRE Exam, 2015

Participating in ABIM MOC maintenance of certification

MEMBERSHIPS:

Diplomat, National Board of Medical Examiners, Certificate No. 284183, July 1, 1985

American Medical Association, 1993-Present

Fellow, American College of Cardiology, 1993-Present

American College of Physicians, 1989-Present

Alpha Omega Alpha, 1983-Present

Phi Beta Kappa, 1984-Present

New Haven County Medical Association, 1991- Present

Heart Rhythm Society (NASPE), 1991- Present

Fellow, American College of Cardiology, Sept. 15, 1993-Present

Fellow American Heart Association, 2001-Present

Fellow, Heart Rhythm Society, May 14, 2010-Present

LICENSURE:

State of Connecticut, 1987-Present

**PUBLICATIONS
(ABSTRACTS):**

Stratienko A, Keller M, Sabia P, Pollock S, Marieb M, Kaul S. 2D Echo versus Swan-Ganz Catheter in the Critically Ill Patient: A Prospective Study (abstract). *Circulation* 1989; 80: II-171.

Marieb M, Kaul S, Lerman B, Beller GA. Significance of Ventricular Arrhythmias during Exercise Testing (abstract). *Circulation* 1989; 80: II-415.

Stratienko AS, Keller MW, Sabia PJ, Pollock SG, Marieb MA, Kaul S. How valuable is the Swan-Ganz Catheter in Critically Ill Patients? A Prospective Study (abstract). *Journal American College of Cardiology* 1990; 15:102A.

Pfau S, Marieb M, Garrand T, Azrin M, Chiaia J, Farah C, Deckelbaum LI. Injectate temperature Measurement at the Right Atrial Port Improves Reproducibility of Thermodilution Cardiac Output Measurements (abstract). *Clinical research* 1991; 39:402A.

Pearson WN, Ani S, Buchman J, D'Souza AW, Marieb M. Relationship between Mitral Annular calcification and Left Atrial Thrombus Formation: A Transesophageal Echo Study (abstract). *Circulation* 1994; 90: I-225.

Pearson WN, Vassallo P, D'Souza AW, Marieb M. Left Atrial Appendage Flow Velocity (LAAFV) Measured by Transesophageal Echocardiography: A Potential Marker Identifying Patients at Increased embolic Even (abstract). *Journal of the American Society of Echocardiography* 1994; 7:S4.

Pearson WN, Vassallo P, Marieb M, Buchman J, D'Souza AW. Embolic Risk in Patients with Atrial Fibrillation: The Role of Left Atrial Appendage Flow Velocity (LAAFV), Measured During TEE, In Identifying Those at Highest Risk (abstract). *Journal of the American Society of Echocardiography* 1994; 7:S4.

Pearson WN, Vassallo P, D'Souza AW, Marieb M. Spontaneous Echo Contrast in the Thoracic Aorta Identified by TEE is a Marker for Patients at Increased Risk (abstract). *Chest* 1994; 106:50S.

Cordeiro JM, Marieb MA, Pfeiffer R, Calloe K, Burashnikov E, Antzelevitch C. Accelerated Inactivation of the L-type Calcium Channel due to a Mutation in CACNB2b Underlies the Development of a Brugada ECG Phenotype. *Circulation* 2008; 118: S884-885.

Burashnikov E, Pfeiffer R, Borggrefe M, Eldar M, Glikson M, Haissaguerre M, Kanter R, Laino R, Marieb M, Nadamanee K, Nam G, Robles R, Schimpf R, Stapleton D, Viskin S, Winters S, Wolpert C, Zimmern S, Antzelevitch C. Mutations in the Cardiac L-Type Calcium Channel Associated With Four Sudden Death Syndromes. *Circulation* 2009;120:S573.

Burashnikov E, Pfeiffer R, Barajas-Martinez H, Delpon D, Hu D, Desai M, Borggrefe M, Haissaguerre M, Kanter R, Pollevick GD, Guerchicoff A, Laino R, Marieb M, Nademanee K, Nam G, Robles R, Schimpf R, Stapleton DH, Viskin S, Winters S, Wolpert C, Zimmern S, Veltmann C, Antzelevitch C. Mutations in the Cardiac L-Type Calcium Channel Associated With Inherited Sudden Cardiac Death Syndromes. *Heart Rhythm* November 2010;7(11):1719.

Kadado AJ, Hummel JP, Baker M, Sadaf M, Gehi AK, Bhatt P, Enriquez DR, Freeman JV, Marieb M, Mounsey P, Akar J. Threshold Based Infrared Imaging for Prevention of Esophageal Thermal Injury During Atrial Fibrillation Ablation. *Circulation* November 2017; 136:A20924.

Deleterious Mutations in SCN10A Are Associated with Long QT Syndrome. *JACC* March 21, 2017; 69(11):509

Atteya G, Cosentino M, Brysiewicz N, Perrelli L, Connery N, Marieb M, Akar J. Mild "Stiff Left Atrial Syndrome" Commonly Presents as Persistent Cough Following Atrial Fibrillation Ablation. *Circulation* 2013;128:A16281.

Swaminathan PD, Makki N, Rangasamy S, Prasath A, Marieb M, Clancy J. Should Routine DFT Testing be Performed at Device Implant? Results From a Meta-Analysis. *Circulation* 2013;128:A16717.

Mehta N, Marieb M, Bellumkonda L, Jacoby D. Absence of Family History Predicts a Low Yield for Genetic Testing in a Community Cardiomyopathy Clinic. *Circulation* 2014;130:A20578.

Rouse C, Abdelmessih M, Annapureddy A, Debiasi R, Enriquez A, Marieb M. Temporal Shift Towards Left Ventricular Sources of Idiopathic Ventricular Ectopy in Patients Referred for Ablation. *Circulation* 2016;134:A17846.

**PUBLICATIONS
(ARTICLES):**

Marieb MA, Beller GA, Gibson RS, Lerman BB, Kaul S. Clinical Relevance of Exercise-induced Ventricular Arrhythmias in Suspected Coronary Disease. *American Journal of Cardiology* 1990; 66:172-178.

Kaul S, Marieb MA, Beller GA. Clinical Significance of Exercise-Induced Ventricular Arrhythmias in Patients with Chest Pain. *Cardiology Board Review* 1991; 8:29-42.

Hoch DH, Batsford WP, Greenberg SM, McPherson CM, Rosenfeld LE, Marieb M, Levin JH. Double Sequential External Shocks for Refractory Ventricular Fibrillation. *Journal of the American College of Cardiology* 1994;23:1141-5.

Kaul S, Stratienko AA, Pollock SG, Marieb MA, Keller MW, Sabia PJ. Value of Two-Dimensional Echocardiography for Determining the Basis of Hemodynamic Compromise in the Critically Ill Patients: a Prospective Study. *Journal of the American College of Cardiology* 1994; 23:1141-5.

Rizk AB, Chandler JP, Schoenfeld NH, Marieb MA. Spurious Detection of Ventricular Fibrillation by a Tranvenous Implantable Cardioverter Defibrillator during Percutaneous Transluminal Coronary Angioplasty. *Pacing & Electrophysiology* 1997; 20:136-7.

Philbin DM, Marieb MA, Aithal KH, Schoenfeld MH. Inappropriate Shocks Delivered by an ICD as a Result of Sensed Potentials from a Transvenous Electric Nerve Stimulation Unit. *Pacing & Clinical Electrophysiology*. 1997; 21:2010-1.

Sreih AG, Schoenfeld MH, Marieb MA. Optic Neuropathy Following Amiodarone Therapy. 1999; 22:1108-10.

Saliba BC, Ghantous AE, Schoenfeld MH, Marieb MA. Twiddler's Syndrome with Tranvenous Defibrillators in the Pectoral Region. *Pacing & Clinical Electrophysiology*. 1999; 22:1419-21.

Blitzer ML, Marieb MA, Schoenfeld MH. Inability to Communicate with ICD's: an Underreported Failure Mode. *Pacing & Clinical Electrophysiology*. 2001; 24:13-5.

Blitzer ML, Saliba BC, Ghantous AE, Marieb MA, Schoenfeld MH. Causes of Impaired Consciousness While Driving a

Motorized Vehicle. *American Journal of Cardiology*. 2003; 91 (11): 1373-4.

Marieb MA, Schwartz KV. An 82-year-old Man with an Implantation of a CPI Ventak AVII DR Device for Sustained Ventricular Tachycardia. *Pacing & Clinical Electrophysiology*. 2003; 26 (11):2209.

Chrissoheris MP, Ali R, Vivas Y, Marieb M, Protopapas Z. Isolated Noncompaction of the Ventricular Myocardium: Contemporary Diagnosis and management. *Clinical Cardiology*. 2007; 30 (4):156-60.

Chrissoheris MP, Kadakia H, Marieb M, Libertin C. Pacemaker Pocket Infection due to *Mycobacterium Goodii*; case Report and Review of the Literature. *Connecticut Medicine*. 2008; 72 (2): 75-7.

Cordeiro JM, Marieb M, Pfeiffer R, Calloe K, Burashnikov E, Antzelevitch C. Accelerated Inactivation of the L-type Calcium Current due to a Mutation in CACNB26 Underlies Brugada Syndrome. *J Mol Cell Cardiology*. 2009 May; 46(5):695-703

Burashnikov E, Pfeiffer R, Barajas-Martinez H, Delpon E, Hu D, Desai M, Borggrefe M, Haissaguerre M, Kanter R, Pollevick GD, Guerchicoff A, Laino R, Marieb M, Nademanee K, Nam GB, Robles R, Schimpf R, Stapleton DD, Viskin S, Winters S, Wolpert C, Zimmern S, Veltmann C, Antzelevitch C. Mutations In the Cardiac L-type Calcium Channel Associated with Inherited J-wave Syndromes and Sudden Cardiac Death. *Heart Rhythm*. 2010 Dec; 7(12):1872-82. Doi: 10.1016/j.hrthm.2010.08.026. Epub 2010 Oct 14.

Toise S, Sears S, Schoenfeld M, Blitzer M, Marieb M, Drury J, Slade M, Donohue T. P02.35. Methodology in Integrative Medicine Research: Challenges and Solutions from a Randomized Clinical Control Trial Using Adapted Yoga. *BMC Complementary and Alternative Medicine*. 2012; 12 (Suppl. 1); P91. Doi: 10.1186/1472-6882-12-S1-P91.

Ruisi CP, Brysiewicz N, Asnes JD, Sugeng L, Marieb M, Clancy J, Akar JG. Use of Intracardiac Echocardiography During Atrial Fibrillation Ablation. *Pacing and Clinical Electrophysiology*. 2013 June; 36(6):781-8. Doi: 10.1111/pace.12030. Epub 2013 Jan 10.

Toise SCF, Sears SF, Schoenfeld MH, Blitzer ML, Marieb MA, Drury JH, Slade MD, Donohue TJ. Psychosocial and Cardiac Outcomes of Yoga for ICD Patients: A Randomized Clinical

Control Trial. *Pacing and Clinical Electrophysiology*. 2014 Jan; 37(1):48-62. Doi: 10.1111/pace.12252. Epub 2013 Aug 26.

Brysiewicz N, Mitiku T, Haleem K, Bhatt P, Al-Shaarou M, Clancy JF, Marieb MA, Sugeng L, Akar JG. 3D Real-Time Intracardiac Echocardiographic Visualization of Atrial Structures Relevant to Atrial Fibrillation Ablation. *JACC: Cardiovascular Imaging*. 2014 Jan; 7(1):97-100. Doi: 10.1016/j.jcmg.2013.09.018.

Hu D, Barajas-Martinez H, Pfeiffer R, Dezi F, Pfeiffer J, Buch T, Betzenhauser M, Belardinelli L, Kahlig KM, Rajamani S, Marieb M, Nam GB, Bhatia A, Hesdemir C, Haissaguerre M, Veltmann C, Schimpf R, Borggreffe M, Viskin S, Antzelevitch C. Mutations in SCN10A Are Responsible for a Large Fraction of Cases of Brugada Syndrome. *Journal of the American College of Cardiology*. 2014 July; 64(1):66-79. Doi: 10.1016/j.jacc.2014.04.032

Grunseich K, Peters DC, Sinusas AJ, Mojibian H, Marieb M, Cornfeld D, Simprini LA. Left Atrial Late Gadolinium Enhancement and Mitral Regurgitation in Subjects with Atrial Fibrillation. *Journal of Cardiovascular Magnetic Resonance*. 2015 Feb; 17(1):P358. Doi: 10.1186/1532-429X-17-S1-P358.

Grunseich K, Mekonnen B, Simprini LA, Mojibian H, Marieb M, Atteya G, Cornfeld D, Peters DC. Left Atrial Volume, Congestive Heart Failure, and Obesity are Associated with Extent of Left Atrial Fibrosis by Late Gadolinium Enhancement. *Journal of Cardiovascular Magnetic Resonance*. 2015 Feb; 17(1):P368. Doi: 10.1186/1532-429X-17-S1-P368.

Akar JG, Marieb MA. Atrial Fibrillation and Thrombogenesis. *JACC: Clinical Electrophysiology*. 2015 June; 1(3):218-219. Doi: 10.1016/j.jacep.2015.05.003.

Karim S, Abdelmessih M, Marieb M, Reiner E, Grubman E. Extraction of a Mica Transcatheter Pacing System: First-in-Human Experience. *Heart Rhythm Society*. 2015 Sept. Doi: 10.1016/j.hrcre.2015.10.001.

Mehta N, Abdelmessih M, Smith L, Jacoby D, Marieb M. Carotid Sinus Syndrome as a Manifestation of Head and Neck Cancer. *International Journal of Clinical Cardiology*. 2015 Nov. 1:012. Doi: 10.13140/RG.2.1.3394.6967

Peters DC, Duncan JS, Grunseich K, Marieb MA, Cornfeld D, Sinusas AJ, Chelikani S. CMR-Verified Lower LA Strain in the Presence of Regional Atrial Fibrosis in Atrial Fibrillation. *JACC Cardiovasc Imaging*. 2016 Apr 6. Doi: 10.1016/j.jcmg.2016.01.015

Peters DC, Duncan JS, Grunseich K, Marieb M, Cornfield D, Sinusas A, Chelikani S. Lower left atrial strain in the presence of

regional atrial fibrosis; an MRI study of patients with atrial fibrillation. *J Cardiovasc Magn Reson*. 2016; 18(Suppl 1): P207

Seidelmann SB, Smith E, Subrahmanyam L, Dykas D, Abou Ziki MD, Azari B, Hannan-Shmouni F, Jiang Y, Akar JG, Marieb M, Jacoby D, Bale AE, Lifton RP, Mani A. Application of Whole Exome Sequencing in the Clinical Diagnosis and Management of Inherited Cardiovascular Diseases in Adults. *Circ Cardiovasc Genet*. 2017;10:e001573. Doi: 10.1161/circgenetics.116.001573.

Ziki MA, Seidelmann SB, Atteya G, Jiang Y, Fernandes RG, Marieb M, Akar JG, Mani A. Deleterious Protein-altering Mutations in the SCN10A Voltage-gated Sodium Channel Gene are Associated with Prolonged QT. *Clinical Genetics*. April 2017. DOI:10.1111/cge.13036

Quail M, Grunseich K, Baldassarre LA, Mojibian H, Marieb MA, Cornfeld D, Soufer A, Sinusas AJ, Peters DC. Prognostic and functional implications of left atrial late gadolinium enhancement cardiovascular magnetic resonance. *J Cardiovasc Magn Reson*. 2019; 21:2 doi: 10.1186/s12968-018-0514-3 - PMC – PubMed

Kumar M, Sharma A, Marieb MA, Silverman DI, Cronin EM. Hypokalemia unmasking underlying premature ventricular contraction induced polymorphic ventricular tachycardia: Low potassium is not always the culprit. *Indian Pacing Electrophysiol J*. 2020 Jan-Feb;20(1):41-45.