

CURRICULUM VITAE
Michael Stephan Remetz, MD

Version Date: May/27/2023

Name/ Current Title: **Michael Stephan Remetz, MD**
Associate Professor Internal Medicine
Clinician-Educator Track
Yale University School of Medicine
Section of Cardiovascular Disease

Proposed for: **Professor of Clinical Medicine**
Clinical Track,
Department of Internal Medicine
Section of Cardiology

Term: July 1, 2024 – June 30, 2029

School: Yale University School of Medicine

Reason for Appointment: Current appointment ending 6/2024

Education: 9/1974-5/1977, Bucknell University, Lewisburg, PA

- Early decision for medical school after 3 years, no degree

9/1977-6/1981, MD, Thomas Jefferson Medical College, Philadelphia, PA

- Graduated Summa Cum Laude

Career/Academic Appointments:

7/1981-6/1982 Medical Intern, Internal Medicine
Yale-New Haven Medical Center, New Haven, CT

7/1982-6/1984 Medical Residency, Internal Medicine
Yale-New Haven Medical Center, New Haven, CT

7/1984-6/1986 Fellowship in Cardiovascular Disease
Yale-New Haven Medical Center, New Haven, CT

7/1986-6/1987 Fellowship in Interventional Cardiology
Yale-New Haven Medical Center, New Haven, CT

1986-1987 Attending Physician Supervising Exercise Treadmill Testing
West Haven VA Medical Center, West Haven, CT

7/1986-1/2020 Attending Physician Cardiac Catheterization Laboratory
West Haven VA Medical Center, West Haven, CT

7/1987-6/1988	Instructor in Medicine, Cardiovascular Medicine Yale University School of Medicine, New Haven, CT
7/1987 – present	Attending Physician Cardiac Catheterization Laboratory Yale University School of Medicine, New Haven, CT
7/1988-6/1994	Assistant Professor, Section of Cardiovascular Medicine Yale University School of Medicine, New Haven, CT
7/1994 – present	Associate Professor, Section of Cardiovascular Medicine Yale University School of Medicine, New Haven, CT
3/2000-4/2000	Fellowship in Peripheral Vascular Intervention St. Elizabeth’s Hospital, Boston, MA

Administrative Positions:

1991 – 2011	Director of Quality Assurance, Cardiac Catheterization Laboratory: Yale University School of Medicine, New Haven, CT
1992 – 2003	Director Cardiology Teaching Service (Goodyer Cardiology Firm): Yale University School of Medicine, New Haven, CT
2011 – 2019	Medical Director Heart and Vascular Center Ambulatory Services: Yale University School of Medicine, New Haven, CT Yale-New Haven Hospital, New Haven, CT

Board Certification:

Diplomate, National Board of Medical Examiners, 1982
Diplomate, American Board of Internal Medicine, 1984
Diplomate, American Board of Internal Medicine, Cardiovascular Disease
(candidate # 096340), 1987
Diplomate, American Board of Internal Medicine, Interventional Cardiology,
(candidate # 096340), initial certification 2002, recertified 2013

Professional Honors and Recognition:

- 1981: Prize, Award for Outstanding Performance During Clinical Years,
Lange Medical Publications Prize. Jefferson Medical College, Philadelphia, PA
- 1981: Outstanding Performance During Sophomore Year, Obstetrics/Gynecology
Jefferson Medical College, Philadelphia, PA
- 1979: Alpha Omega Alpha Honor Society, Award for Outstanding Clinical Service
Jefferson Medical College, Philadelphia, PA
- 1976: Phi Beta Kappa, President Bucknell Honor Society
Bucknell University, Lewisburg, PA

- 1975: Freshman Chemistry Award, Highest Average in Freshman Class (Award)
Bucknell University, Lewisburg, PA
- 2019: Fellowship Teaching Award, Yale University Section of Cardiology
Yale University, New Haven, CT

Grant History:

A) Current Grants

None

B) Past Grants

Agency: Medtronic Inc.
I.D.# IRB# 2000023596
Title: Spyral Pivotal-Spyral HTN Off-Med Study
Role: Yale Site PI
Percent effort: 5%
Total costs for project period: \$34,437/patient
Project period: 8/10/18-7/1/22

Agency: Boston Scientific
I.D.# IRB# 1603017502
Title: Evolve Short DAPT Study
A prospective, multicenter, single-arm study designed to assess the safety of 3-month dual antiplatelet therapy (DAPT) in subjects at high risk for bleeding undergoing percutaneous coronary intervention (PCI) with a SYNERGY Everolimus-Eluting Platinum Chromium Coronary Stent System (SYNERGY Stent System) (EVOLVE Short DAPT Study)
Role: Yale Site Sub PI
Percent effort: 5%
Total costs for project period: \$1736/patient
Project period: 4/2/18-closed to accrual

Agency: Medtronic Inc.
I.D.# IRB# 1310012783
Title: Symplicity HTN-4 (Renal Denervation in Patients with Uncontrolled Hypertension)
Role: Yale Site PI
Percent effort: 5%
Total costs for project period: \$4,699/patient
Project period: 4/21/2014-IRB closure

Agency: Boston Scientific/Vessix Vascular Inc.
I.D.# HIC# Not Available Yet
Title: "Treatment of Resistant Hypertension Using a Radiofrequency Percutaneous Transluminal Angioplasty Catheter (REDUCE-HTN)"
Role: Yale Site Co-PI
Percent effort: 5%
Total costs for project period: Not Available
Project period: 11/4/13-12/31/14

Agency: St. Jude's Medical Corporation
I.D.# HIC# Not Available Yet
Title: " EnligHTNment Trial "
Role: Yale Site Co-PI
Percent effort: 5%
Total costs for project period: Not Available
Project period: 11/4/13-12/31/14

Agency: Cordis Corporation
I.D.# HIC# 13010113202
Title: "SAPPHIRE Worldwide: Stenting and Angioplasty With Protection in Patients At High-Risk for Endarterectomy "
Role: Yale Site Co-PI
Percent effort: 5%
Total costs for project period: Not Available
Project period: 2/1/13-12/31/14

Agency: Biotronik Corporation
I.D.# HIC# 1105008475
Title: Bioflex-I Trial: The treatment of iliac and femoral atherosclerotic lesions using the self-expanding Astron and Astron Pulsar Stents.
Role: Yale Site Co-PI
Percent effort: 5%
Total costs for project period: Not Available
Project period: 11/4/13-12/31/14

Agency: Abbott Corporation
I.D.# HIC# 1008007311
Title: CHOICE Registry: A multi-centered trial looking at the clinical ability of carotid stenting for the treatment of extracranial cerebrovascular disease.
Role: Yale Site PI
Percent effort: 5%
Total costs for project period: Not Available
Project period: 10/1/11-1/17/12

Agency: Bard/Lutonix Corporation
I.D.# HIC# 11006008606
Title: LEVANT II Trial: A prospective, multicenter, single blind, randomized, controlled trial comparing the lutonix DCB drug-coated PTA catheter vs. standard balloon angioplasty for the treatment of femoropopliteal arteries.
Role: Yale Site Co-PI
Percent effort: 5%
Total costs for project period: \$20,000/patient
Project period: 5/1/12-6/1/13

Agency: Gore Corporation
I.D.# HIC# 1205010291
Title: The Gore FREEDOM Study: GORE flow reversal system and GORE embolic filter extension study for the ongoing collection of patient outcomes.
Role: Yale Site Co-PI
Percent effort: 5%
Total costs for project period: Not Available
Project period: 6/1/12-4/30/13

PROFESSIONAL SERVICE

Journal Service: Reviewed articles for “Annals of Internal Medicine” and “Journal of Interventional Cardiology”

Professional Organizations: Fellow American College of Cardiology

Yale University Service:

Hospital Boards and Committees:

2001-2015	Hospital Committee to develop multidisciplinary criteria for privileges to perform carotid stenting
2001-2015	Hospital Committee to develop multidisciplinary criteria for privileges to perform peripheral vascular interventions
1992-2011	Yale New Haven Hospital Cardiac Catheterization Quality Assurance Committee member and Director
1988-present	Yale-New Haven Hospital Cardiac Catheterization Committee member

2012-2019	Yale-New Haven Hospital Ambulatory Services Committee
2012-2014	Yale-New Haven Hospital Credentials Committee
2012-2015	Yale-New Haven Hospital Heart and Vascular Center Operations Leadership Committee (co-chair)
2012-1019	Yale-New Haven Health System Heart Disease Clinical Integration Workgroup (co-chair)

BIBLIOGRAPHY:

Peer-Reviewed Manuscripts:

1. Jaffe CC, Wohlgelernter D, Cabin HS, Bowman L, Deckelbaum L, **Remetz MS**, Cleman MW. Preservation of left ventricular ejection fraction during percutaneous transluminal coronary perfusion of oxygenated fluosol-DA-20 percent. *Am Heart J* 1988; 115:1156-64.
2. LaVeau PJ, **Remetz MS**, Cabin HS, Hennecken JF, McConnell SH, Rosen RE, Cleman MW. Predictors of Success in Percutaneous Transluminal Coronary Angioplasty of Chronic Total Occlusions. *Am J Cardiol* 1989, 64:1264-69.
3. **Remetz MS**, Cabin HS. Analgesic therapy in acute myocardial infarction. *Cardiology Clinics* 1988; 6:29-36.
4. **Remetz MS**, Cleman MW. Percutaneous transluminal coronary angioplasty during acute myocardial infarction. *Cardiology Clinics* 1988; 6:139-152.
5. **Remetz MS**, Cleman MW, Cabin HS. Pulmonary and pleural complications of cardiac disease. *Clinics in Chest Medicine* 1989; 10:545-592.
6. Schulman DS, **Remetz MS**, Elefteriades J, Francis CK. Mild mitral insufficiency is a marker of impaired left ventricular performance in aortic stenosis. *J Am Coll Cardiol* 1989; 13:796-801.
7. Cleman MW, Wohlgelernter D, Cabin H, **Remetz M**, McConnell S, Jaffe C. Myocardial dysfunction during percutaneous transluminal coronary angioplasty. *Circulation* 1990; 81(suppl IV):IV 14-19.
8. McGaughey MD, **Remetz MS**, Sharf-Bornhofen E. A double-blind study comparing the safety, tolerability, and efficacy of inoversol-350 and iohexol-350 in coronary arteriography with left ventriculography. [Clinical Trial. Comparative Study. Journal Article. Multicenter Study. Randomized Controlled Trial] *J Invasive Cardiology* 1991, 3(6):272-7.

9. Setaro JF, **Remetz M**, Perlmutter RA, Zaret BL, Soufer. Long term outcome in patients with congestive heart failure and intact systolic function left ventricular performance. *Am J Cardiol* 1992, 69:1212-1216.
10. Kayden DS, **Remetz MS**, Cabin HS, Deckelbaum LI, Cleman MW, Wackers FJ, Zaret BL. Validation of continuous radionuclide left ventricular functioning monitoring in detecting silent myocardial ischemia during balloon angioplasty of the left anterior descending coronary artery. *Am J Cardiol* 1991; 67:1339-43.
11. **Remetz MS**, Quagliarello V. Endovascular infections arising from right-sided heart structures. *Cardiology Clinics* 1992; 10:137-49.
12. Setaro JF, Cleman MW, **Remetz MS**. The right ventricle in disorders causing pulmonary venous hypertension. *Cardiology Clinics* 1992; 10:165-83.
13. **Remetz MS**, Matthay RA. Cardiovascular manifestations of connective tissue disorders. *Journal of Thoracic Imaging* 1992; 7:49-63.
14. **Remetz MS**, Matthay RA. Cardiac Evaluation. *Disease-a-Month* 1992; 38:335-503.
15. Ilija R, Brennan J, Cabin H, Cleman M, **Remetz M**. Characteristics of cigarette smokers versus nonsmokers in patients referred for coronary angioplasty. *Coronary Artery Disease* 1992; 3:859-862.
16. Ilija R, Kolansky D, Setaro J, Brennan JJ, Cabin HS, Cleman M, **Remetz M**. Clinical and angiographic determinants of initial percutaneous transluminal coronary angioplasty success. *Angiology* 1993; 44 (9): 677-82.
17. Ilija R, Kolansky D, Setaro J, Brennan J, Cabin H, Cleman M, **Remetz M**. Percutaneous transluminal coronary angioplasty in the elderly: Initial results and complications. *Cardiology in the Elderly* 1993; 1:29-32.
18. Ilija R, Cabin H, McConnell S, Cleman M, **Remetz M**. Coronary angioplasty with gradual versus rapid balloon inflation: Initial results and complications. *Catheterization and Cardiovascular Diagnosis* 1993; 29:199-202.
19. Ilija R, Kolansky D, Setaro J, Brennan J, Cabin H, Cleman M, **Remetz M**. Percutaneous transluminal coronary angioplasty in unstable and stable angina pectoris: A comparison of immediate success and complications. *Cardiology* 1993; 81:245-50.
20. Haronian HL, **Remetz MS**, Sinusas AJ, Baron JM, Miller HI, Cleman MW, Zaret BL, Wackers FJ. Myocardial risk area defined by technetium-99m sestamibi imaging during percutaneous transluminal coronary angioplasty: comparison with coronary angiography. *J Am Coll Cardiol.* 1993; 22(4): 1033-43.

21. Haronian HL, Sinusas AJ, **Remetz MS**, Brennan JJ, Cabin HS, Zaret BL, Wackers FJ. Effects of altered left ventricular geometry on quantitative technetium 99m sestamibi defect size in humans: perfusion imaging during coronary angioplasty. *J Nucl Cardiol.* 1994; 1(2 Pt1): 150-8.
22. Ilija R, Bigham H, Brennan J, Cabin H, Cleman M, **Remetz M**. Predictors of coronary dissection following percutaneous transluminal coronary balloon angioplasty. *Cardiology*, 85 (3-4): 229-34, 1994
23. Vogt AR, Funk M, **Remetz MS**. Comparison of Symptoms, Functional Ability, and Health Perception of Elderly Patients with Coronary Artery Disease Managed with Three Different Treatment Modalities. *Cardiovascular Nursing* 1994; 30:33-38.
24. Tellides G. Maragh MR. Smith JM. Kopf GS. Ezekowitz M. **Remetz M**. Elefteriades JA. Minimally invasive coronary artery bypass grafting: initial Connecticut experience. *Connecticut Medicine.* 1997; 61(3):135-41.
25. Caulin-Glaser T, Farrell WF, Pfau S, Zaret B, Bunger, K, Setaro JF, Brennan JJ, Bender JR, Cleman M, Cabin HS, **Remetz M**: Modulation of circulating cellular adhesion molecules in postmenopausal women with coronary artery disease. *JACC*, 31:1555, 1998.
26. Longo M, **Remetz M**: Cardiovascular Manifestations of Systemic Autoimmune Diseases. *Clinics and Chest Medicine*, December 1998.
27. Holmboe ES, Fiellin DA, Cusanelli E, **Remetz M**, Krumholz HM. Perceptions of benefit and risk of patients undergoing first-time elective percutaneous coronary revascularization. [Journal Article. Research Support, U.S. Gov't, P.H.S.] *Journal of General Internal Medicine.* 2000; 15(9):632-7.
28. Abbott JD, Curtis JP, Murad K, Kramer HM, **Remetz MS**, Setaro JF, Brennan JJ. Spontaneous coronary artery dissection in a woman receiving 5-fluorouracil--a case report. *Angiology* 2003. 54(6):721-4.
29. Abbott JD, Brennan JJ, **Remetz MS**. Treatment of a left internal mammary artery to pulmonary artery fistula with polytetrafluoroethylene covered stents. *Cardiovascular & Interventional Radiology.* 2004, 27(1):74-6.
30. Patel PB, Pfau SE, Cleman MW, Brennan JJ, Howes C, **Remetz M**, Cabin HS, Setaro JF, Rinder HM. Comparison of coronary artery specific leukocyte-platelet conjugate formation in unstable versus stable angina pectoris. *American Journal of Cardiology* 93:410-13, 2004.
31. Singer GM, Setaro JF, Curtis JP, **Remetz MS**. Distal embolic protection during renal artery stenting: impact on hypertensive patients with renal dysfunction. *Journal of Clinical Hypertension.* 10:830-6, 2008.

32. Singer GM, **Remetz MS**, Curtis JP, Setaro JF. Impact of baseline renal function on outcomes of renal artery stenting in hypertensive patients. *Journal of Clinical Hypertension*. 11:615-20, 2009.
33. Gravelin LM, Yuhas J, **Remetz M**, Radford M, Foley J, Lampert R. Use of a screening tool improves appropriate referral to an electrophysiologist for implantable cardioverter-defibrillators for primary prevention of sudden cardiac death. *Circulation. Cardiovascular Quality and outcomes*. 4:152-6, 2011.
34. Jovin IS, Lei L, Huang Y, Hao Z, Curtis JP, Brennan JJ, **Remetz MS**, Setaro JF, Pfau SE, Howes CJ, Clancy JF, Cabin HS, Cleman MW, Giordano FJ. Cellularity and structure of fresh human coronary thrombectomy specimens: presence of cells with markers of progenitor cells. *Journal of Cellular and Molecular Medicine*. 16:3022-7, 2012.
35. Yuhas J, Mattocks K, Gravelin L, **Remetz M**, Foley J, Fazio R, Lampert R. Patients' attitudes and perceptions of implantable cardioverter-defibrillators: potential barriers to appropriate primary prophylaxis. *Pacing and Clinical Electrophysiology* 35:1179-87, 2012
36. Al-Damluji MS, Nagpal S, Stilp E, **Remetz M**, Mena C. Carotid revascularization: a systematic review of the evidence. *Journal of Interventional Cardiology*. 26:399-410, 2013.
37. Panaich SS, Arora S, Patel N, Patel NJ, Lahewala S, Solanki S, Manvar S, Savani C, Jhamnani S, Singh V, Patel SV, Thakkar B, Patel A, Deshmukh A, Chothani A, Bhatt P, Savani GT, Patel J, Mavani K, Bhimani R, Tripathi B, Mohamad T, **Remetz MS**, Curtis JP, Attaran RR, Grines C, Mena CI, Cleman M, Forrest JK, Badheka AO. Comparison of Inhospital Outcomes and Hospitalization Costs of Peripheral Angioplasty and Endovascular Stenting. *American Journal of Cardiology*. 116(4):634-41, 2015.
38. Arora S, Panaich SS, Patel N, Patel NJ, Lahewala S, Solanki S, Patel P, Patel A, Manvar S, Savani C, Tripathi B, Thakkar B, Jhamnani S, Singh V, Patel S, Patel J, Bhimani R, Mohamad T, **Remetz MS**, Curtis JP, Attaran RR, Grines C, Mena CI, Cleman M, Forrest J, Badheka AO. Impact of Hospital Volume on Outcomes of Lower Extremity Endovascular Interventions (Insights from the Nationwide Inpatient Sample [2006-2011]). *American Journal of Cardiology*. 116(5):791-800, 2015.
39. Arora S, Panaich SS, Patel N, Patel NJ, Lahewala S, Thakkar B, Savani C, Jhamnani S, Singh V, Patel J, Bhatt P, Mohamad T, **Remetz MS**, Curtis JP, Attaran RR, Mena CI, Schreiber T, Grines C, Cleman M, Forrest JK, Badheka AO. Impact of Glycoprotein IIb/IIIa Inhibitors Use on Outcomes After Lower Extremity Endovascular Interventions from a Nationwide Inpatient Sample (2006-2011). *Catheterization and Cardiovascular Interventions*. 88(4):605-616, 2016.

Case Reports, Technical Notes, Letters

1. Brill DA, Deckelbaum LI, **Remetz MS**, Elefteriades J, Zaret BL. Recovery of severe ischemic left ventricular dysfunction following myocardial revascularization. *Am J Cardiol* 1988; 61:650-651.
2. Lasala JM, **Remetz MS**, Cleman MW, Cabin HS. Inadvertent "atherectomy" during ostial right coronary artery angioplasty. *Am Heart J* 1990; 120:423-4.
3. Ilija R, **Remetz M**. Coronary thrombosis. *Catheterization and Cardiovascular Diagnosis*. 25:79, 1992.
4. Ozcan C, Cambi B, **Remetz M**. An unusual case of spontaneous multi-vessel coronary dissection in an elderly patient: a case report. *Cases J* 2009; 2:6645.

Journal Editor:

1. **Remetz MS**, Cabin HS (eds). Cardiology Clinics on the Right Ventricle. Volume 10, Philadelphia, WB Saunders, 1992.

Reviews, Chapters, Books

1. **Remetz MS**, Cleman MW: Cardiac catheterization in the evaluation of heart disease. in Baue AE, Geha AS, Hammond GL, Laks H, Naunheim KS (eds): Glenn's Thoracic and Cardiovascular Surgery (5th ed). Norwalk, Ct., Appleton and Lange, 1989, pp 1443-1461.
2. **Remetz MS**, Matthay RA: Cardiac Evaluation. in Bone R, Dantzker D, George R, Matthay R, Reynolds H (eds): Pulmonary and Critical Care Medicine. Mosby-Year Book, Inc.
3. **Remetz MS**: Cardiac Emergencies. In: Yale University School of Medicine Heart Book. Editors: B.I. Zaret, M. Moser, L.S. Cohen. Hearst Books, William Morrow Publishing Co., New York, New York, 1992.