

Lisa Ramos

From: noreply@wayne.edu
Sent: Friday, October 28, 2022 1:37 PM
To: Lisa Ramos
Subject: New submission for Form: Alumni Award Nomination Form

View submission: <https://forms.wayne.edu/create/form-manage.php?form=6187&id=7634840>

Nominee:

First name:

mahir

Last name:

elder

Email:

mdelder@hotmail.com

Graduation Year:

2002,2005 and 2006

Specialty:

interventional cardiology

Address:

22720 michigan ave dearborn mi 48124

Home Phone:

3139992222

Office Phone:

3137913000

Nominator:

First Name:

Tamam

Last Name:

mohamad

Email:

tmohamad@heartteam.com

Graduation Year:

2007 2010 and 2011

Specialty:

interventional cardiology

Address:

4160 john r st detroit mi

Home Phone:

3139937777

Office Phone:

Select Nominee Award :

Lawrence M. W einer Award

Submit cover letter explaining why you believe this person should be considered:

Dr_Elders_nomination_letter.pdf

Candidate's current CV:

ELDER_CV_112022.pdf

Please list any other relevant information that the committee may find helpful in reaching its decision, as they receive several qualified applicants each year:

Dr. Elder's Nomination

Mahir Elder graduated from Wayne State School of Medicine (WSU-SOM) in the Residency and Fellowship program. He has a long history of teaching awards and community service. Intern of the Year, Chief Resident Mentor of the Year at WSU's internal medicine program, and Fellow of the Year in Cardiology and again in interventional Cardiology-WSU-SOM.

He is also a recipient of a dozen teacher of the year award from the Department of Cardiology at WSU-SOM from 2008 to 2018, which includes Mentor of the year, Teacher of the Year, and Academic Excellence in Cardiology.

He is also a recipient of the Patient's Choice Award in 2010, 2011, and 2012, and a recipient of the Most Passionate doctor of 2010, 2013, and 2016. His peers nominated him as TopDoc for 14 consecutive years, from 2008 to 2022 in Hour Magazine.

He was the only physician to be nominated as Healthcare Hero twice. In 2012, for his limb salvage work in Peripheral Arterial disease, and again in 2017 for lifesaving work in Pulmonary Embolism. He was featured in Crain Magazine, Detroit News front page, and the Hero Palladium for various lifesaving events.

At a community level, he was acknowledged by the Detroit Jewish News in 2012 for helping students afford a college education. He is also a recipient of the JWATT foundation, " Jesus Was a Teenager Too", for his scholarship fund. He was acknowledged by various community organizations such as ADC, LSA, YSA, and ASU for his work mentoring medical students

He currently sits on the Board of Directors at PERT Consortium, which is a national organization which is multidisciplinary which includes leaders from every academic university in the nation.

Dr. Elder is very proud of being a major donor at WSU-SOM. He established an endowment at the Wayne State School of Medicine that continues to expand. Currently, he is involved with the Medical Alumni Association.

Dr. Elder has a strong academic pedigree, he's well-published in cardiovascular and is a world authority on peripheral arterial disease and pulmonary embolism. He also is in a forefront of technology working with industries to develop lifesaving medical devices.

Dr. Elder has impacted the medical community with his continuous educational training of medical students, residents, and fellows. His impact on the local community has continued to impact many generations. He was awarded by Dearborn Community Center for his commitment to the local community.

It is very rare to find a physician that can positively impact the medical community, scientific clinical research, and the local community that mirrors Wayne State's School of Medicine's mission statement.

October 31, 2022

Executive Committee, WSU School of Medicine Alumni Association
540 E. Canfield
1369 Scott Hall
Detroit, Michigan 48201

Dear Executive Committee,

As you begin the difficult task of selecting a recipient for the Lawrence M. Weiner award, I would like to offer my ardent support for and nomination of Mahir Elder, M.D., RA'02, FA '06.

Through my role as a development officer at WSU School of Medicine, I have come to know Dr. Elder well and worked with him on a number of initiatives over the years. In addition to being a person of the utmost character, Dr. Elder is a dedicated clinician who despite his very full schedule, devotes countless hours to educating and guiding students as they continue their medical education journey.

Mr. Tom Nugent, veteran journalist and editorial consultant, provided a wealth of information on Dr. Elder's qualifications in his nomination from 2017 (attached) and I echo those here. More recently, I can attest that Dr. Elder is one of WSU School of Medicine's most steadfast and generous supporters. He takes every opportunity to connect with and educate our students by participating in med specialty seminars, mentoring both pre and current med students, and serving as an example and inspiration for all students, regardless of their medical specialty of choice.

Dr. Elder volunteers his time by conducting admissions interviews for the School of Medicine and has recently begun serving on the WSU School of Medicine Alumni Board. He has also offered his support for and participation in our efforts as we embark on the construction of a new medical education building.

Lastly, in addition to his generosity of time and talent, Dr. Elder has made significant financial contributions to the medical school for a number of different initiatives, including establishing an endowed student scholarship. In paraphrasing Dr. Elder's own words "...my scholarship may help one student now, however, I want my scholarship (over time) to help 100 students..." Dr. Elder recently increased his endowed scholarship by six figures, and is well on his way to doing just that.

For these reasons, and those expressed by Mr. Tom Nugent, I believe Dr. Elder truly exemplifies the desired attributes of Weiner award recipients, and strongly urge the committee to consider him for this worthy recognition.

Sincerely,

Kelley Denk

Senior Major Gift Officer
Wayne State University School of Medicine

Wayne State University School of Medicine

Distinguished Alumni Award

Draft of Nomination Letter

Sept. 5, 2017

First Name: Mahir

Last Name: Elder

Email: mahir.elder@wayne.edu

Graduation Year: 1999

Specialty: Interventional Cardiology

Address: Detroit Medical Center, 4160 John R, Suite 510, Detroit, Mich. 49058

Home Phone: 313-999-2222

Office Phone: 313-993-7777

Updated CV: attached to this document

Draft Nomination Letter

Selection Committee

Distinguished Alumni Award

Wayne State University School of Medicine

Sept. 7, 2017

Dear Selection Committee:

Hello and best wishes from veteran journalist Tom Nugent (*New York Times, Chicago Tribune, Detroit Free Press*).

specialists use narrow plastic tubes and ultrasound technology to break up blood clots and remove them from lung arteries. That innovative approach also includes stationing a full-time, “24/7” on-site treatment team at the hospital for patients with severe PE, starting back in 2010.

During the past seven years, this pioneering interventional cardiology program – the first in Michigan – has saved more than 250 lives, according to the latest medical research.

Known as “PERT” (the acronym stands for “Pulmonary Embolism Rescue Team”), Dr. Elder’s program two years ago also began expanding nationally . . . after he joined a group of interventional cardiologists at Massachusetts General Hospital in launching a nationwide version of PERT. The national PERT program, which is now being implemented all across the country, is also saving hundreds of lives each year.

The effectiveness of the PERT program can be seen in the fact that the success rate for DMC Heart Hospital PERT patients now exceeds 90 percent – compared to only 47 percent nationally.

Dr. Elder’s national PERT program is now disseminating its methods and related research findings to hospitals and physicians everywhere, and currently includes the largest single-center registry for mechanical treatment of severe PE in the U.S.

Dr. Elder is also the only doctor to have been named twice as a *Crain’s Detroit Business* “Health Care Hero”. After being selected for that award in 2012 for saving limbs and preventing amputations through catheter-assisted cardiovascular therapy, he was again chosen in 2017, this time in recognition of his pioneering work in saving PE patients. He has also won several other Detroit-area awards as an outstanding medical doctor, in recent years.

In addition, Dr. Elder’s pioneering work in arterial disease and pulmonary embolism has been drawing international attention of late, and he frequently presents his findings and lectures on PE treatment methods at medical conferences in this country and all around the world.

But his awards for exciting clinical research and new treatment methods are fully matched by the honors and citations he’s received over the years for teaching and mentoring students at the Wayne State University School of Medicine.

A passionate and committed professor of clinical medicine, Dr. Elder has been selected “Teacher of the Year” by the Fellows in the Department of Cardiology for the past seven consecutive years. During that same period, he has provided personal financial support to a number of medical students – while also assisting students, residents and fellows as a “career development” advisor.



Dr. Mahir Elder | Detroit Cardiologist

Book Online

POWERED BY ZOCDOC

As an interventional cardiologist at the Detroit Medical Center Cardiovascular Institute, Dr.

Mahir Elder specializes in minimally invasive procedures. With an extensive medical background, combined with a specialty in **Cardiology** and seven national board certifications, Dr. Elder remains the highest volume operator of peripheral arterial disease and amputation prevention in Michigan.

In addition to leading an award-winning team of **cardiologists** and **heart surgeons** at the **Heart & Vascular Institute's** three facilities, Dr. Elder serves as Medical Director of the **Cardiac Care Unit** at Harper University Hospital and as the Assistant Program Director for Wayne State University's School of Medicine Interventional Fellowship Program — teaching other doctors how to perform complex **cardiac procedures**.

Dr. Elder holds multiple board certifications in internal medicine, **cardiovascular disease**, **endovascular disease**, **vascular** interpretation and **nuclear cardiology**. He specializes in peripheral arterial disease, intracoronary and carotid stenting, vein disease and complex cardiovascular disease. He has developed numerous clinical trials and research on endovascular procedures and complex vascular cases. **Dr. Elder** also serves as an Assistant Clinical Professor of Medicine both at Wayne State University's School of Medicine and at Michigan State University's College of Human Medicine.

Beyond his numerous certifications, awards and titles, Dr. Elder is best known for bridging the gap in the disparity of care in the community and for being available 24 hours a day, 7 days a week. Across the state and the region, other physicians know that they can send him patients with or without insurance — resulting in thousands of uninsured patients receiving the care they need.

Dr. Elder's knowledge and

1 (855) DR-ELDER

1 (855) 373-5337

expertise in cardiovascular disease has garnered him many invitations to speak at international and national conferences. He has also been recognized with multiple awards from various institutions, including being named Wayne State University School of Medicine's **Teacher of the Year** and **Mentor of the Year**, Crain's **Healthcare Hero**, **Hour Magazine's Top Doctor**, and has earned a **People's Choice Award** for Compassionate Doctor Recognition.

Dr. Mahir Elder
DMC Heart Hospital
Grand Opening

Mahir D. Elder
online at
Super Doctors.com
visit superdoctors.com



Date of Preparation

Signature

Mahir Elder, M.D., FSCC, FSCAI, FASNC, FAHA, FACP, FSVM, RPVI

Heart &Vascular
Institute-
Harper Professional Building
4160 John R., Suite # 510
Detroit, MI 48201
Telephone: (313) 993-7777
Fax: (313) 993-2563
mdelder@hotmail.com

Heart &Vascular
Institute-
22720 Michigan Ave, Suite 200
Dearborn, MI 48124
Telephone: (313) 791-3000
Fax: (313) 791-2800

Heart &Vascular
Institute-
20240 W. 12 Mile Road
Southfield, MI 48075
Telephone: (248) 424-5000
Fax: (248) 424-5099

EDUCATION	DATES
Wayne State University/ Detroit Medical Center Endovascular-Carotid Subspecialty & Peripheral Intervention, Subspecialty fellowship	2005-2006
Wayne State University/ Detroit Medical Center Interventional Cardiology Fellowship	2005-2006
Wayne State University/ Detroit Medical Center Cardiovascular Fellowship	2002-2005
American University of Caribbean School of Medicine, Plymouth, Montserrat. M.D.	April 1997
American University of Caribbean School of Medicine, Plymouth, Montserrat. M.S.	December 1994
Wayne State University/ Detroit Medical Center	May 1993

Residency Internal Medicine Categorical B.A., Sociology	
POSTGRADUATE TRAINING	
Subspecialty Fellowship Interventional Cardiology (2005-2006): Wayne State University/ Detroit Medical Center Endovascular-Carotid & Peripheral Intervention	2005-2006
Residency Internal Medicine Categorical: Wayne State University/ Detroit Medical Center	1999-2002
National Institute of Health (NIH) Stroke Scale certification	September 28, 2012
Level III Certified in Cardiac CT Angiogram- ACCF/AHA/ACP-Competency/Training Clinical Vascular Specialty Training: Harvard Medical School/ Brigham and Women's Hospital	April 2010
Heart Attack Prevention Specialist-Shape Certified	2011
Fellowship Cardiology: Wayne State University/ Detroit Medical Center	2002-2005
FACULTY APPOINTMENTS	
Medical Director of Ambulatory Interventional/ Peripheral Cardiology Clinic-Wayne State University/ Detroit Medical Center	2008- 2018
Clinical Professor of Medicine- Michigan State University College of Osteopathic Medicine	January 2018- Present
Clinical Professor of Medicine - Wayne State University School of Medicine	August 2017-Present
Clinical Associate Professor of Osteopathic Medical Specialties- Michigan State University College of Osteopathic Medicine	July 2014-Present
Clinical Assistant Professor of Osteopathic Medical Specialties- Michigan State University College of Osteopathic Medicine	2012-Present
Associate Clinical Professor of Medicine- Wayne State University School of Medicine	August 2013-July 2017
Assistant Clinical Professor of Medicine- Wayne State University School of Medicine	2008- August 2013
HOSPITAL OR OTHER PROFESSIONAL APPOINTMENTS	

Vice Chief of Cardiology- Ambulatory Services Detroit Medical Center/Wayne State University Harper University Hospital Division of Cardiology	2006-2019
Task Force on Immunization Michigan State University Michigan State Medical Society	2005-2010
State Legislation and Regulation Committee Michigan State University Michigan State Medical Society	2005-2011
Quality Assurance Committee Detroit Medical Center/ Wayne State University Harper University Hospital	2008-2019
Program Director of Cardiac CT Angiogram Detroit Medical Center/ Wayne State University Harper University Hospital Division of Cardiology	2013-2019
Percutaneous Coronary Intervention Quality Committee Henry Ford Wyandotte Hospital Department of Cardiology	2008- 2011
Medical Director of Endovascular Medicine Detroit Medical Center/ Wayne State University Harper University Hospital Division of Cardiology	2009-2018
Medical Director of Cardiac Care Unit Detroit Medical Center/ Wayne State University Harper University Hospital Division of Cardiology	2008-2018
Licensure and Discipline Committee Michigan State University Michigan State Medical Society	2005-2011
Journal of Interventional Cardiology (JOIC) Editorial Review Team	2012-Present
ICU Committee Detroit Medical Center Harper University Hospital	2007-Present

<p>Federal Legislation Michigan State University Michigan State Medical Society</p>	2005-2010
<p>Delegation Body Wayne County Medical Society</p>	2007- Present
<p>Communication Committee Society of General Internal Medicine</p>	2006- Present
<p>Chief of Cardiology- Ambulatory Service Detroit Medical Center/ Wayne State University Harper University Hospital Division of Cardiology</p>	2009- 2019
<p>Cardiology Quality Assurance Committee Oakwood Hospital Dearborn, Michigan</p>	2008- Present
<p>Cardiology Morbidity & Mortality Peer Review Committee Oakwood Hospital Dearborn, Michigan Department of Cardiology</p>	2007- Present
<p>Cardiac Improvement Council Detroit Medical Center/ Wayne State University Harper University Hospital Division of Cardiology</p>	2005-2007
<p>Associate Clinical Chief of Cardiology- Ambulatory Service Detroit Medical Center/Wayne State University Harper University Hospital Division of Cardiology</p>	2006-2009
<p>Associate Program Director of Cardiac CT Angiogram Detroit Medical Center/Wayne State University Harper University Hospital Division of Cardiology</p>	2005-2011
<p>Assistant Program Director of Cardiac CT Angiogram Detroit Medical Center/ Wayne State University Harper University Hospital Division of Cardiology</p>	2006-2013
MAJOR PROFESSIONAL SOCIETIES	

Wayne State University Medical School Alumni Association Wayne County Medical Society University of Michigan Alumni Association United Outstanding Physicians The Endovascular Forum Southeast Michigan Interventional Cardiology Consortium Society of Vascular Medicine Society of General Internal Medicine Society of Cardiovascular Computed Tomography-Founding Member Society for Cardiovascular Angiography and Interventions Michigan State Medical Society Michigan Pioneer Accountable Care Association (ACO)-Board Member International Society of Endovascular Specialists Council of Peripheral Vascular Disease Council of Clinical Cardiology Fellow Cambridge Who's Who Big Brothers Big Sisters of Metropolitan Detroit American Society of Nuclear Cardiology American Society of Echocardiography American Medical Association American Heart Association American College Physicians-Members American College of Cardiology American College of Phlebology American College of Chest Physicians The PERT Consortium PERT Board of Directors PERT 2023 Course Director	
MEDICAL LICENSURE Michigan License # 4301-073-824 Florida License # ME 114248 New Jersey License #25MA10254700 California License # C158620	Expires:7/31/2024 Effective:9/26/12 Expires:1/31/2023 Effective: 1/8/2018 Expires: 06/30/2021 Effective: Sept-2018 Expires: Sept-2021
BOARD CERTIFICATION American Registry for Diagnostic Medical Sonography- Physician Vascular Interpretation Diplomat American Board of Internal Medicine-2013	8/27/2010 Indefinite 2013 Expired

Diplomat American Board of Internal Medicine-Interventional Cardiology	2010 2020
Diplomat American Board of Internal Medicine-Cardiovascular Disease	2009 2019
Diplomat American Board of Nuclear Cardiology	2009 2019
American Board of Vascular Medicine-Vascular Medicine	2011 2020
American Board of Vascular Medicine- Endovascular Medicine	2009 2019
HONORS/AWARDS	
Hour Top Docs <i>Hour Detroit Magazine</i>	2019
Teacher of the Year Wayne State University School of Medicine/ Detroit Medical Center Cardiovascular Institute <i>International Cardiology Training Program</i>	2018-2019
Hour Top Docs <i>Hour Detroit Magazine</i>	2018
Teacher of the Year Wayne State University School of Medicine/ Detroit Medical Center Cardiovascular Institute <i>International Cardiology Training Program</i>	2017-2018
Hour Top Docs <i>Hour Detroit Magazine</i>	2017
Crain's Health Care Heroes Honoree <i>Crain's Headquarters</i>	2017
Teacher of the Year Wayne State University School of Medicine/ Detroit Medical Center Cardiovascular Institute <i>International Cardiology Training Program</i>	2016-2017
Hour Top Docs <i>Hour Detroit Magazine</i>	2016
Teacher of the Year Wayne State University School of Medicine/ Detroit Medical Center Cardiovascular Institute	2015-2016

<i>International Cardiology Training Program</i>	
Hour Top Docs <i>Hour Detroit Magazine</i>	2015
Teacher of the Year Wayne State University School of Medicine/ Detroit Medical Center Cardiovascular Institute <i>International Cardiology Fellowship Program</i>	2014-2015
Hour Top Docs <i>Hour Detroit Magazine</i>	2014
Patients' Choice Award <i>MDx Medical, Inc/ Vitals Patients' Choice</i>	2013
Castle Connolly Regional Top Doc <i>Castle Connolly Medical Lts.</i>	September 2013
Crain's Health Care Heroes Judge <i>Crain's Headquarters</i>	June 26, 2013
Award of Academic Excellence Wayne State University School of Medicine/ Detroit Medical Center Cardiovascular Institute <i>Interventional Cardiology Fellowship Program</i>	June 2013
Teacher of the Year Wayne State University School of Medicine/ Detroit Medical Center Cardiovascular Institute <i>Interventional Cardiology Fellowship Program</i>	June 2013
Patron of the Year University of Michigan- Dearborn <i>Arab Student Union</i>	March 22, 2013
Oakwood Everyday Hero <i>Oakwood Healthcare Foundation to benefit Patient Care programs</i>	2012
Hour Top Docs <i>Hour Detroit Magazine</i>	2012
Patients' Choice Award <i>MDx Medical, Inc/ Vitals Patients' Choice</i>	2012
Compassionate Doctor Recognition <i>MDx Medical, Inc/ Vitals Patients' Choice</i>	2012
11th Annual Crain's Health Care Hero <i>Outstanding Physician Achievement, Crain's Magazine</i>	2012

Peripheral Vascular Master Wayne State University School of Medicine/Detroit Medical Center Cardiovascular Institute <i>International Cardiology Fellowship Program</i>	2012
Top Docs-Hall of Fame <i>Hour Detroit Magazine</i>	2011
Compassionate Doctor Recognition <i>MDx Medical, Inc/ Vitals Patients' Choice</i>	2011
Teacher of the Year Wayne State University School of Medicine/ Detroit Medical Center Cardiovascular Institute <i>International Cardiology Fellowship Program</i>	2011
Physician Recognition Award with Commendation <i>American Medical Association</i>	2011-2013
Patients' Choice Award <i>MDx Medical, Inc/ Vitals Patients' Choice</i>	2011
Peripheral Vascular Master Award Wayne State University School of Medicine/ Detroit Medical Center Cardiovascular Institute <i>International Cardiology Fellowship Program</i>	2011
Award of Academic Excellence Wayne State University School of Medicine/ Detroit Medical Center Cardiovascular Institute <i>International Cardiology Fellowship Program</i> <i>Cardiovascular & Peripheral Vascular Clinic in Interventional Cardiology</i>	2011
Community Service Award <i>American Arab Anti-Discrimination Committee</i>	2010
Compassionate Doctor Recognition <i>MDx Medical, Inc/ Vitals Patients' Choice</i>	2010
Patients' Choice Award <i>MDx Medical, Inc/ Vitals Patients' Choice</i>	2010
Awards of Academic Excellence Wayne State University School of Medicine/ Detroit Medical Center Cardiovascular Institute <i>Cardiovascular and Peripheral Vascular Clinic</i>	2009-2010
Mentor of the Year Wayne State University School of Medicine/ Detroit Medical Center	2009-2010

Cardiovascular Institute	
Patients' Choice Award <i>Patientschoice.org</i>	2009
Physician Recognition Award with Commendation <i>American Medical Association</i>	2008-2011
Teacher of the Year Wayne State University School of Medicine/ Detroit Medical Center-Division of Cardiology	2008-2009
Academic Excellence Award Wayne State University School of Medicine <i>Interventional Cardiology</i>	2008-2009
Teacher of the Year Wayne State University School of Medicine/ Detroit Medical Center-Division of Cardiology	2007-2008
Physician Recognition Award with Commendation <i>American Medical Association</i>	2005-2008
Academic Excellence Award Wayne State University School of Medicine <i>Interventional Cardiology</i>	2005-2006
Academic Excellence Award Wayne State University School of Medicine <i>Interventional Department of Cardiology</i>	2004-2005
Chief Cardiology Fellow Wayne State University School of Medicine <i>Department of Cardiology</i>	2004-2005
Governors Award of Excellence <i>State of Michigan</i>	2004
Physician Recognition Award <i>American Medical Association</i>	2002-2005
Fellow of the Year Wayne State University School of Medicine <i>Department of Cardiology</i>	2002-2003
Resident of the Year Wayne State University School of Medicine <i>Department of Internal Medicine</i>	2000-2001
Chief Medical Resident Choice Outstanding Intern of the Year Wayne State University School of Medicine	1999-2000

<i>Department of Internal Medicine</i>	
SERVICE	
Committee Seat:	
Federal Legislation- Michigan State Medical Society	
Delegation Body- Wayne County Medical Society	
Licensure & Discipline Committee- Michigan State Medical Society	
Communication Committee- Society of General Internal Medicine	
State Legislation & Regulation Committee- Michigan State Medical Society	
Task Force on Immunization- Michigan State Medical Society	2005-2006
Cardiac Improvement Council- Harper University	
Resident Council Representative	1999-2002
Resident Operations Committee	2000-2002
Society of Cardiovascular	2020-2021
Committee vascular disease council	2004
Volunteer:	
Dearborn Community Health project- Cardiovascular Disease Awareness Wayne State/ Detroit Medical Center	2002
Cardiovascular clinical Conference Wayne State/ Detroit School (II)	2000-2005
Primary Care Week- Wayne State University School of Medicine	
Urban Cardiology: Disparities in Cardiovascular Care-Planning Committee. Wayne State University School of Medicine	August 21, 2015
	2014
	March 19, 2020
	January 16, 2011
WSUSOM Admissions: Wayne State University Medicine Interview Process	
	August 23, 2010
Michigan State University College of Osteopathic Medicine Interview Process	
	2009
C3 Complex Cardiovascular Catheter Scientific Program Planning Committee	2008

<p>Council on Clinical Cardiology- American Heart Association</p> <p>Council on Peripheral Vascular Disease- American Heart Association</p> <p>Rose of Sharon Church of God in Christ: Advisor to the Dr. Reginald Eadie & Minister Randall Brown Scholarship Fund, Detroit</p> <p>Community Fun Festival Health Fair-Belle Isle, Detroit</p> <p>Gratiot Woods Senior Home Health Fair</p> <p>Boston Scientific Community Health Fair</p> <p>Detroit Festival of Arts- Physician Group- Community Outreach</p> <p>PERT Board of Directors</p> <p>PERT Course Director</p> <p>ACC 2022 Washington DC "Expert Panel for Massive Pulmonary Embolism"</p> <p>WSU Medical Alumni Association Board of Governors</p>	<p>2001</p> <p>2022</p> <p>2023</p> <p>April 2022</p> <p>2022-2023</p>
<p>Community</p> <p><u>NATIONAL MEETINGS</u></p> <p>1ST Place Winner "Myocardial Infarction in Vitro Fertilization" American College of Physicians-American Society of Internal Medicine- Atlanta 2001. American College of Physicians-American Society of Internal Medicine- Philadelphia 2002</p>	
<p>Scholarly Service</p> <p>National/International Regional/Local</p> <p>Service for Peer-Reviewed Journals Editorship</p> <p>Editorial Board Membership</p> <p>Review of Manuscripts</p>	
<p>Other Service</p> <p><u>Bibliography/College Activities</u></p> <p>Successful Treatment of Angioseal Complication. Case of the Week Published in TCTMD – The Comprehensive Cardiology and Interventional Resource.</p>	<p>2006</p> <p>2006</p>

Superior Mesenteric Artery Intervention by a Cardiologist. Case of the Week Published in TCTMD - The Comprehensive Cardiology and Interventional Resource.	April, 2000
Society of General Internal Medicine Journal – Abstract “Complicated Biventricular Gonococcal Endocarditis in the Antibiotic Era”	May, 2005
“Quadricuspid Aortic Valve associated with Unruptured Sinus of Valsalva Aneurysm” – Heart Valve Society of America / Valves in the Heart of the Big Apple IV	June, 2004 April, 2000
International Medical Conference “Biventricular ICD patients do not have increased Defibrillation and thresholds compared with patients receiving dual-chamber ICD’s” Wayne State University Resident Research Day	2002 2002
American College of Cardiology-Chapter Competition 1 st Place “Myocardial Infarction Post Ovarian Hyperstimulation Syndrome”	2000
American College of Physician Associate Meeting- “Symptomatic Ventricular Tachycardia in a Patient with Sarcoidosis”	2000
American College of Physicians Associate Meeting- “Complicated Biventricular Gonococcal Endocarditis In The Antibiotic Era”	2000
American College of Physicians – American Society of Internal Medicine – 46 th Annual Scientific Meeting – Oct. “Complicated Biventricular Gonococcal Endocarditis In The Antibiotic Era”	September 11-13, 2003
American College of Physicians – American Society of Internal Medicine- “Preparation for Recertification.” Philadelphia.	2001-2002
1 st Place Winner “Myocardial Infarction In Vitro Fertilization” American College of Physicians-American Society of Internal Medicine-Atlanta. American College of Physicians-American Society of Internal Medicine- Philadelphia	August 2015
Research: Clinical Trials: PULSE SYSTEM, COUNTER HF: A heart assist device VOYAGER PAD: An international, multicenter, randomized, double-blind, placebo-controlled phase 3 trial investigating the efficacy and safety of rivaroxaban to reduce the risk of major thrombotic vascular events in patients with symptomatic peripheral artery disease undergoing lower extremity revascularization procedures. Sponsor: Bayer Healthcare. VISION: Evaluation of the Pantheris Optical Coherence Tomography Imaging Atherectomy System for use in the Peripheral Vasculature. A non-randomized,	

<p>prospective, global clinical trial of the Avinger Pantheris System, an atherectomy device that provides directional visualization and imaging as an adjunct to fluoroscopy to aid removal of plaque in diseased lower extremity arteries. Sub-Investigator.</p>	<p>2010-Present 2009- Present</p>
<p>US PELLA: USPella Registry.</p>	
<p>TOPCAT- Treatment of Preserved Cardiac function heart failure with an Aldosterone an Tagonist. Protocol: Constantina Alexandris-Souphis. Sub-Investigator.</p>	<p>April 15, 2013</p>
<p><u>STENTYS Coronary Stent System Clinical Trial in Subjects with ST Elevated Myocardial Infarction (STEMI).</u> To evaluate the safety and effectiveness of the STENTYS Coronary Stent System in the treatment of <i>de novo</i> stenotic lesions in coronary arteries in subjects undergoing primary revascularization due to Acute ST Segment Elevation Myocardial Infarction (STEMI)as compared to the Multi-Link bare metal coronary stent platform Sub-Investigator.</p>	<p>July 2012 2008-Present</p>
<p><u>Symplcity HTN-3 Study Design.</u> Sub-Investigator.</p>	<p>2009-Present</p>
<p>SAPPHIRE WW -- Stenting and Angioplasty with Protection in Patients at High-Risk for Endarterectomy, Protocol Number P06-3603 Co-Investigator.</p>	
<p>RESOLUTE US Clinical Trial - A Clinical Evaluation of the Medtronic Endeavor® Resolute Zotarolimus-Eluting Coronary Stent System in the Treatment of <i>De Novo</i> Lesions in Native Coronary Arteries with a Reference Vessel Diameter of 2.25 mm to 4.2 mm." Primary Investigator.</p>	<p>2011-Present</p>
<p><u>PROspective Imaging Study for Evaluation of Chest Pain (Promise).</u> Primary Investigator. <i>Study funding source:</i> National Heart, Lung, and Blood Institute</p>	<p>2009- Present</p>
<p>THE BALANCE STUDY- Treatment of Hyponatremia Based on Lixivaptan in NYHA Class III/IV Cardiac Patient Evaluation. Sponsor: Cardiokine Biopharma, LLC and Biogen Idec, INC. Prtocol number: CK-LX3401. Co-Principal Investigator.</p>	
<p>Study goal: To determine whether the information derived from an anatomic imaging strategy (> 64 slice CTA) as compared to a functional testing strategy (usual care) will provide superior clinical outcomes in patients with symptoms concerning for coronary artery disease (CAD).</p>	<p>2010-Present 2009- Present</p>
<p>SINAI GUILD: Novel Cardiovascular Markers for Prediction of Cardiovascular Events in the Sinai Guild Population- Women's Heart Study.</p>	
<p>RED-HF Trial- Reduction of events with Darbepoetin alfa in Heart Failure Trial. Trial of study: A Double-blind, Randomized, Placebo-controlled, Multicenter Study to Assess the Efficacy and Safety of Darbepoetin alfa Treatment on Mortality and</p>	<p>March 2014</p>

<p>Morbidity in Heart Failure (HF) Subjects with Symptomatic Left Ventricular Systolic Dysfunction and Anemia. Sub-Investigator.</p>	
<p>PRISM: A Retrospective Case Review of Technical Success Using the Penumbra and Indigo Systems for Mechanical Thrombectomy in the Periphery. Primary Investigator.</p>	2010-Present
<p>PROTECT II: A Prospective, multi-center randomized controlled trial of the IMPELLA RECOVER LP, 2.5 System versus Intra Aortic Balloon Pump (IABP) in Patients Undergoing Non-Emergent High Risk PCI.</p>	May 2010-present
<p>PALLAS: A randomized, double blind, placebo controlled, parallel group trial for assessing the clinical benefit of Dronedarone 400 mg BID on top of standard therapy in patients with permanent atrial fibrillation and additional risk factors Permanent Atrial fibrillation outcome Study using Dronedarone on top of standard therapy. Co-Investigator.</p>	2009- Present
<p>PAREXEL International- A Multicenter, Randomized, Double-blind placebo-controlled staggered dose-escalating phase IIb study of the safety and efficacy of istaroxime over 24 hours at three doses in acute decompensated heart failure patients. Sub-Investigator.</p>	2005-Present 2010-Present
<p>PERISCOPE: Pioglitazone Effect on Regression of Intravascular Sonographic Coronary Obstruction Prospective Evaluation. Sub-Investigator.</p>	April 2014
<p>ORBIT II: Pivotal Trial to Evaluate the Safety and Efficacy of the Diamondback 360® Atherectomy System in Treating De Novo, Severely Calcified Coronary Lesions. Co-Investigator.</p>	2011
<p>LIBERTY 360: Prospective, Observational, Multi-Center Clinical Study to Evaluate Acute and Long Term Clinical and Economic Outcomes of Endovascular Device Intervention in Patients with Distal Outflow Peripheral Arterial Disease (PAD). Primary Investigator.</p>	2010-Present
<p>LEVANT 2: A Prospective, Multicenter, Continuation Registry of the Moxy™ Drug Coated Balloon for Treatment of Femoropopliteal Arteries for use in the SFA/pop. Sub-Investigator.</p>	2010-Present
<p>LCZ696B: A 36-week, randomized, double-blind, multi-center, parallel group, active controlled study to evaluate the efficacy, safety and tolerability of LCZ696 compared to valsartan in patients with chronic heart failure and preserved left-ventricular ejection fraction. Co-Principal Investigator.</p>	2010-Present 2010-Present
<p>JOSTENT: Jostent Graftmaster Coronary Stent Graft for Free Coronary Perforations.</p>	
<p>HCRI DAPT: A prospective, multi-center, randomized, double-blind trial to assess the effectiveness and safety of 12 versus 30 months of dual antiplatelet therapy (DAPT) in subjects undergoing percutaneous coronary intervention (PCI) with either drug-eluting stent (DES) or bare metal stent (BMS) placement for the</p>	2009-Present

<p>treatment of coronary artery lesions. Co-Investigator.</p>	
<p>GORE EMBOLIC Filter in Carotid Stenting for High Risk Surgical Subjects (GORE EMBOLDEN) The objective of this study is to provide an ongoing evaluation of clinical outcomes associated with the GORE® Flow Reversal System and the GORE® Embolic Filter when used for embolic protection during carotid artery stenting Sponsor: W. L. Gore & Associates. Co-Investigator.</p>	<p>2009- Present</p>
<p>DEFINITIVE Ca++: Determination of Safety and Effectiveness of the Silverhawk® Peripheral Plaque Excision System for Calcium (Silverhawk LS-C) and the SpiderFX Embolic™ Protection Device (SpiderFX) for the Treatment of Calcified Peripheral Arterial Disease in the Superficial Femoral and/or the Popliteal Arteries, Protocol No.: FHT-P-07-003. Sponsor: ev3, Inc. Co-Investigator</p>	<p>Pending 2012</p>
<p><u>Can HDL Infusions Significantly Quicken Atherosclerosis Regression? (CHI SQUARE).</u> A Phase II Multi-Center, double-blind, ascending dose, placebo-controlled, dose-finding trial of CER-001 or placebo in subjects with Acute Coronary Syndrome. Sub-Investigator.</p>	<p>March 2012</p>
<p><u>Carotid Artery Stenting Outcomes in the Standard Risk Population for Carotid Endarterectomy (CANOPY)</u> The objective of the CANOPY trial is to assess the performance outcome (death and stroke rate) of the RX Acculink Carotid Stent System under commercial use by collecting peri-procedural (30 day) and long term post-approval data in patients at standard risk for adverse events from CEA enrolled by a broad group of physicians. Sub-Investigator.</p>	<p>2010-Present</p>
<p>CONNECT II: Chronic TOtal Occlusion with the WildCat Catheter-A Non-Randomized Study of the Avinger Wildcat™ used to Cross Chronic Total Occlusions in the Superficial Femoral and Popliteal Arteries. Co-Investigator.</p>	<p>January 26, 2010-present</p>
<p>CXL-1020: A Phase IIa, 3 Strata Dose-Defining Study Evaluating the Hemodynamic Effects, Safety and Tolerability of CXL-1020 in Patients with Systolic Heart Failure. Co-Principal Investigator.</p>	<p>2008-Present</p>
<p>CAPTURE 2: A Post-Approval Study of the Guidant Carotid Stent Systems and Embolic Protection Systems (Carotid RX ACCULINK/RX ACCUNET Post-Approval Trial to Uncover Unanticipated or Rare Events -- "CAPTURE 2") Protocol 05-716, Amendment to CAPTURE 04-715 Sub-Investigator.</p>	<p>2007-Present</p>
<p>CHOICE: Carotid Stenting For High Surgical Risk Patients; Evaluating Outcomes Through The Collection Of Clinical Evidence ("CHOICE"), Protocol No.: 06-717 Co-Investigator.</p>	<p>2009-Present</p>
<p>BIG PICTURE Study: (Physicians International CCTA Utilization Registry)- Primary Investigation Observational Registry with nested longitudinal outcome studies: clinical management and cost effectiveness endpoints. Primary</p>	<p>August 3, 2010</p>
<p>Investigator. BOREALIS- A Multicenter, Randomized, Double-blind, Assessor-blind, Non-inferiority study comparing the efficacy and safety of Once-weekly</p>	

<p>subcutaneous Biotinylated Idrabiotaparinux (SSR126517E) with oral adjusted-dose Warfarin in the prevention of stroke and systemic thromboembolic events in patients with Atrial Fibrillation; Borealis: EFC10295. Sub-Investigator. 2009- Present</p> <p>AMG 423 (Omecamtiv Mecarbil). A Double-blind, Randomized, Placebo-controlled, Multicenter Study to Evaluate the Safety and Efficacy of IV Infusion Treatment With Omecamtiv Mecarbil in Subjects With Left Ventricular Systolic Dysfunction Hospitalized for Acute Heart Failure. Sub-Investigator.</p> <p>ALERTS: AngeLmed for Early Recognition and Treatment of STEMI. Co-Investigator.</p> <p>Advanced Cardiovascular Imaging Consortium of Michigan (ACIC). A collaborative quality assurance initiative sponsored by Blue Cross Blue Shield of Michigan (BCBSM). ACIC CCTA Registry- primary Investigator.</p> <p>ATHENA-1: A Randomized, Multicenter study of Ambrisentan and Sildenafil combination therapy in subjects with Pulmonary Arterial Hypertension who have demonstrated a sub-optimal response to Sildenafil. Co-Investigator. Pending</p> <p>AngelMed for Early Recognition and Treatment of STEMI (ALERTS): The AngelMed Guardian® system is an implantable cardiac monitoring and alerting system that is designed to warn cardiac patients of potentially life-threatening heart conditions. Co-Investigator.</p> <p>AMIHOT II: Acute Myocardial Infarction with HyperOxemic Therapy II Sub-Investigator.</p> <p>ACT I: Asymptomatic Carotid Stenosis, Stenting versus Endarterectomy Trial- "The Act I Study" A Randomized, Controlled Trial to Demonstrate the Equivalence (Non-Inferiority) of Carotid Artery Stenting (CAS) Using the Xact RX Carotid Stent System with the Emboshield Cerebral Protection System when Compared to Carotid Endarterectomy (CEA) for the Treatment of Asymptomatic Extracranial Carotid Occlusive Disease..</p> <p>APEX-AMI: Assessment of PEX elizumab in Ami Co-Investigator</p>	<p>2010-Present</p> <p>2010-Present</p> <p>2005-Present</p> <p>2010-Present</p> <p>2005- Present</p>
<p><u>Bench Research:</u></p> <p>Wayne State University - Pamela Gordon, M.D. Electrical Impedance Tomography on Ischemic/Infarcted Cardiac tissue Cardiac Catheterization & Animal Micro Surgery Wayne State University – Scott Dulchavsky, M.D. (1997)Project: Apoptosis/Oxidative Cell Damage Gene gun and transfer protocol development & Animal Micro-surgery</p> <p>Wayne State University- Pamela Gordon, M.D. (2000-2001) Electrical Impedance Tomography on Ischemic / Infracted Cardiac tissue</p> <p>PAD Hyperlipidemia. Hyperlipidemia doubles the risk of multivessel involvement in peripheral arterial disease despite being on statins. _Anas Alani , Malitha Hettiarachchi , Tamam Mohamad , Sandip K Zalawadiya , Mohamed Shamiya ,</p>	<p>2000-2001</p> <p>2000-2001</p> <p>2011</p>

MHD Firas Alnahhas , Reem Katbey , Elina Salem , Mahir Elder	
<u>Scholarship:</u>	
American College of Cardiology Fellowship/Littmann	2004
Aventis-Internal Medicine Resident Scholarship	2001
<u>TEACHING/ Mentorship</u>	
Teaching at Wayne State University	
Wayne State University-School of Medicine. Year 1 and 2 Medical Specialty Luncheon. Scott Hall	December 5, 2017
Wayne State University-School of Medicine. Year 1 and 2 Student Annual CV Workshop. Margherio Conference Center	December 5, 2016
Wayne State University-School of Medicine. Class of 2016 Mock Interview Workshop for Year 4 Students.	September 29& October 2, 2016
Wayne State University-School of Medicine. "The Office of Student Affairs in collaboration with the Student Senate Career Advisory CV and Personal Statement Workshop for Year 3 Students. Mazurek Education Commons Building.	May 3, 2016
Wayne State University-School of Medicine. Year 1 and 2 Student Annual CV Workshop. Margherio Conference Center	December 1, 2015
Wayne State University-School of Medicine. Internal Medicine Grand Rounds. Pulmonary Embolism-PE. Green Lecture Hall, WSU. Detroit, Michigan.	November 16, 2015
Wayne State University-School of Medicine. Year 3 Student Lecture. ST Elevation MI (STEMI) & Non-STEMI. Kresge Eye Institute, Auditorium.	October 19, 2015
Wayne State University-School of Medicine. Year 3 Student Lecture. Pulmonary Embolism. Kresge Eye Institute, Auditorium.	October 19, 2015
Wayne State University-School of Medicine. Year 3 Student Lecture. Pulmonary Embolism. Kresge Eye Institute, Auditorium.	October 18, 2015
Wayne State University-School of Medicine. Mentor Meeting & Career Development.	August 31, 2015
Wayne State University-School of Medicine. Year 2 Mentor Group. Mazurek Education Commons.	July 29, 2015
Wayne State University-School of Medicine. Class of 2019, Year 1 Orientation Clinical Faculty. Margherio Conference Center.	October 7, 2014
Wayne State University-School of Medicine. Class of 2015 Mock Interview Night. Mazurek Education Commons.	May 5, 2015
Wayne State University-School of Medicine. Year 3 CV/Personal Statement Workshop. Mazurek Education Commons.	May 22, 2014

Wayne State University-School of Medicine. 16th Annual Antithrombotic Therapy Symposium. <i>"What's New Management of Massive Pulmonary Embolism"</i> Dearborn Inn, Dearborn, Michigan.	December 2, 2014
Wayne State University-School of Medicine. Year 1 and 2 Annual CV Workshop. Margherio Conference Center.	October 1, 2014
Wayne State University-School of Medicine. Class of 2015 Mock Interview Night. Mazurek Education Commons.	August 13, 2014
Wayne State University-School of Medicine. Faculty Mentor for Class of 2018. Margherio Conference Center.	July 29, 2014
Wayne State University-School of Medicine: Class of 2018, Year 1 Orientation Clinical Faculty Lunches. Mazurek Education Commons Building. Detroit, Michigan.	July 28, 2014
Wayne State University-School of Medicine: Class of 2018, Year 1 Orientation Clinical Faculty Lunches. Mazurek Education Commons Building. Detroit, Michigan.	June 3, 2014
Wayne State University-School of Medicine Annual Michigan Residency Recruitment Day. <u>3rd year Medical students</u> -WSU-SOM.	May 6, 2014
Wayne State University-School of Medicine: Year 3 CV/Personal Statement Workshop. Mazurek Education Commons Building. Detroit, Michigan.	January 28, 2014
Wayne State University-School of Medicine: Student Programming and Specialty Discussion with First Year Medical Students. Scott Hall. Detroit, Michigan.	January 17, 2014
Wayne State University-School of Medicine: Second Year Medical Student Group Clinical Case Discussions. Detroit, Michigan.	January 13, 2014
Wayne State University Internal Medicine Residency Training Program (ACGME Program Evaluation) WSU-SOM: Margherio Family Conference Center, Detroit, Michigan.	December 2, 2013
Wayne State University-School of Medicine Annual CV Workshop for Year 1 & Year 2 Students. Margherio Conference Center, Detroit, Michigan.	September 23, 2013
Wayne State University-School of Medicine Mock Residency Interview Night for Class of 2014. Detroit, Michigan.	September 30, 2013
Wayne State University-School of Medicine Mock Residency Interview Night for Class of 2014. Detroit, Michigan.	August 1, 2013
Wayne State University-School of Medicine Class 2017 Year 1 Clinical Faculty Lunches Presentation. Detroit, Michigan.	June 23, 2009

Wayne State University- School of Medicine Interventional Grand Rounds	
1 st Year Medical Student: Andrew Prout (Wayne State University School of Medicine 2011)	
1 st Year Medical Student: William Karczewski (Wayne State University School of Medicine 2011)	
1 st Year Medical Student: Reilly Hobbs (Wayne State University School of Medicine 2011)	November 2010
4 th Year Medical Student: Michael Butterworth (Wayne State University School of Medicine 2009)	
4 th Year Medical Student: Cletus T. Moma (Wayne State University School of Medicine 2009)	
Pre-Medical Student: Ibtisam Ammary (Wayne State University)	
Cardiology Fellow: Tamam Mohamed, MD (Wayne State University- Detroit Medical Center)	January 2011
4 th Year Medical Student: Willie Robinson III (Wayne State University School of Medicine 2011)	January 2012
3 rd Year Medical Student: Roba Alhasan (Wayne State University School of Medicine 2013)	May 2012
4 th Year Medical Student: Trevor R. Kuston (Wayne State University School of Medicine 2013)	April 2013
1 st Year Medical Student: Aaron Noles (Wayne State University School of Medicine 2016)	
Wayne state University – SOM” Medical Student Year -1 Event-Scott Hall Cafeteria “Reflective Expression Mask portraying their Professional Identities and Biases”	August 25 th 2022
Wayne State School of Medicine – Shadow Clinic Program with Students	November-December 2022

Teaching at Other Institutions	
Cardiology: PAD - Diagnosis & Management (The Role of Medical Therapy vs. PTCA)Heart Hospital Conference Room - 2nd Floor	August 10, 2016
Hemodynamically significant PE Location: Heart hospital conference room- 2nd floor	July 13, 2016
Vascular Imaging & Interpretation Series-Understanding the Diagnosis, Early Detection and Management of Vascular Disease. Wayne State University/Detroit Medical Center. Cardiology Conference Room.	April 2-June 18, 2014 (Weekly)
Urban Cardiology: Disparities in Cardiovascular Care. WSU School of Medicine, Division of Continuing Medical Education. The Westin Book Cadillac Hotel.	April 30, 2011
Key speaker for the Cardiology Interest Group presented to the first and second year medical students. Jaffar Auditorium, Scott Hall.	November 11, 2008
Guidelines for Emergent Cardiovascular Care in STEMI.	August 4, 2011
Detroit Medical Center Cardiology Fellow Orientation.	June 28, 2013
Associate Editor for Journal of Interventional Cardiology. Editorial Board Member	March 3, 2016

CLINICAL TRIALS ACTIVITIES

PATENTS/ STUDENTS

Wayne State University-School of Medicine, Supervision of Rotating Emergency Medicine Residents

Hill, Meredith	07/01/12-07/29/12
Ruffino, Jessica	07/01/12-07/29/12
Civitarese, Francesca	07/30/12- 08/26/12
Kenney, Jamie	08/27/12-09/23/12
Murphy, Erin	09/24/12-10/21/12
Klutman, Andrew	10/22/12-11/18/12
Dougherty, Megan	11/19/12-12/16/12
Bartsoff, Adam	12/17/12-01/13/13
Sabic, Adnan	01/14/13-02/10/13
Scott, timothy	02/11/13-03/10/13
Rajasekhar, Arun	03/11/13-04/07/13
Kraushaar, Vit	04/08/13-05/05/13
Maso, Kristi	05/06/13-06/02/13
Sharkey, Craig	06/03/13-06/30/13

Michigan State University College of Osteopathic Medicine, Supervision of Cardiology Rotation

4 th Year Medical Student:	Jessica Kim	10/1/2012-10/28/2012
4 th Year Medical Student:	Abir Berry	1/28/2013-3/24/2013

3 rd Year Medical Student:	Lauren Robinson	2/25/2013-3/24/2013
3 rd Year Medical Student:	Timothy Krater	8/26/2013-9/22/2013
3 rd Year Medical Student:	Mohamad Fayad	10/21/2013-11/17/2013
4 th Year Medical Student:	Elaine Brantley	10/28/2013-11/17/2013
4 th Year Medical Student:	Ben Collins Hamel	02/03/2014-02/28/2014
3 rd Year Medical Student:	Wesam Agha	03/03/2013-03/31/2014
3 rd Year Medical Student:	Roy Miller	03/03/2013-03/31/2014
4 th Year Medical Student:	Eldar Kurtovic	09/29/2014-10/29/2014
4 th Year Medical Student:	Donna Clavo	1/5/2015-2/1/2015
4 th Year Medical Student:	Laura Garcia	2/2/2015-2/27/2015

PUBLICATIONS

1. Online Publications:

ORBIT II Sub-Analysis: Impact of Impaired Renal Function following Treatment of Several Calcified Coronary Lesions with the Orbital Atherectomy System.

Michael S. Lee, Arthur C. Lee, Richard A. Shlofmitz, Brad J. Martinsen, Nick J. Hargus, Mahir Elder, Philippe Genereux, and Jeffrey W. Chambers

Unruptured case of Quadricuspid Aortic Valve with Sinus of Valsalva Aneurysm. Poster Presentation at Valvular Heart Conference in the Heart of Big Apple, New York, NY – 2005

Superior Mesenteric Artery Intervention by a Cardiologist. Case of the Week Published in TCTMD - The Comprehensive Cardiology and Interventional Resource, 2006.

"Successful management of acute massive pulmonary embolism using Angiovac suction catheter technique in a hemodynamically unstable patient." Pasha A., Elder M., Khurram D., Snyder B., Movahed M. December 26, 2013. PubMed.gov.

Successful Treatment of Angioseal Complication. Case of the Week Published in TCTMD 2006 – The Comprehensive Cardiology and Interventional Resource

"Saddle Embolus and Right Atrial Clot: Using Catheter-Directed Thrombolysis for Management of Massive Pulmonary Emboli" Roba Alhasan MD, Osama Qaqi MD, **Mahir Elder** MD FACC. Cath Lab Digest. Volume 23, Issue 9. September 2015.

"Results of Ventricular Septal Myectomy and Hypertrophic Cardiomyopathy (from Nationwide Inpatient Sample [1998-2010])" Sikalpal S Panaich, Apurva Badhera, **Mahir Elder**, Ankit Chothani. American Journal of Cardiology. August 2014.

"Patients With Acute Pulmonary Embolism Fare Better With More-Targeted Thrombolysis" TCT MD Journal News. September 4, 2015.

"Impact on In-Hospital Outcomes With Drug-Eluting Stents Versus Bare-Metal Stents" The American Journal of Cardiology. September 14, 2014.

"Impact on In-Hospital Outcomes With Drug-Eluting Stents Versus Bare-Metal Stents (from 665,804 Procedures)". American Journal of Cardiology. <http://www.ncbi.nlm.nih.gov/pubmed/25439448> 2014 Dec 1;114(11):1629-37. doi:

10.1016/j.amjcard.2014.08.033. Epub 2014 Sep 16 September 29, 2014.

Insights Into Endovascular Revascularization in Limb Salvage Procedures: "Antegrade-Retrograde" Technique in Chronic Total Occlusion. Victor Marinescu, Karolina Mirowska, Theodore Schreiber, **Mahir Elder**, Mircea Petrina. *Rev Cardiovasc Med.* 2011;12(1):42-47 doi: 10.3909/ricm0553

"An Incidental Complication of Central Line Catheter Placement: Retention of a Guide Wire" *Cath Lab Digest.* Muhammad Baig, MD, Adnan Malik, MD, Ahmad Al-Taweel, MD, **Mahir Elder**, MD. Volume 21, Issue 3. March 1, 2013.

"Subahi, A, Munir, A, Abubakar, H, Alraies, C, **Elder, M**, Mohamad, T, Kaki, A, Schreiber, T et al. The impact of atrial fibrillation on transcatheter mitral valve repair outcomes: A propensity-matched analysis. *J Interv Cardiol.* 2018; 31: 925–931. <https://doi.org/10.1111/joic.12568> **
November 19, 2018

Elder, M., Alraies, M., Kaki, A., Mohamad, T., & Schreiber, T. (2018, November 19). Access and closure management of large bore femoral arterial access. *Journal of Interventional Cardiology.* doi:<https://doi.org/10.1111/joic.12571>

Akam-Venkata, J., Forbes, T., Schreiber, T., Kaki, A., Elder, M., Turner, D., & Kobayashi, D. (2019). Catheter-directed therapy for acute pulmonary embolism in children. *Cardiology in the Young*, 29(3), 263-269. doi:10.1017/S1047951118002135

Elder, M., Kajj, M., Alraies, M., Kaki, A., Mohamad, T., Schreiber, T., ... Blank, N. (2019, February 26). Axillary Artery Access for Mechanical Circulatory Support Devices in Patients With Prohibitive Peripheral Arterial Disease Presenting With Cardiogenic Shock. *The American Journal of Cardiology.* doi: 10.1016/j.amjcard.2019.02.033

Elder, M., Davis, G. A., Mcdaniel, M., Rali, P., Klein, A. J., Tapson, V., ... Giri, J. S. (2019, June 11). Diagnosis, Treatment and Follow Up of Acute Pulmonary Embolism: Consensus Practice from the PERT Consortium. *Sage Journals.* doi:<https://doi.org/10.1177/1076029619853037>

Elder, M. (2019, June 11). Impact of Pulmonary Hypertension on In-Hospital Outcomes in Patients Undergoing Transcatheter Mitral Valve Repair With Mitraclip. *American Heart Association Journals*, 138(1). Retrieved from https://www.ahajournals.org/doi/abs/10.1161/circ.138.suppl_1.10592?af=R

Elder, M., Mohamad, T., Kaki, A., Subahi, A., & Abdullah, A. (2019, August). Impact and Outcomes of Patients with Congestive Heart Failure Complicating Non-ST-Segment Elevation Myocardial Infarction, Results from a Nationally-Representative United States Cohort. *Science Direct*, 20(8), 659-662. doi:<https://doi.org/10.1016/j.carrev.2018.09.008>

Elder, M., Kajj, M., Alraies, M., Kaki, A., Mohamad, T., Schreiber, T., & Aggarwal, S. (2019, September 19). Treatment of a Child With Submassive Pulmonary Embolism Associated With Hereditary Spherocytosis Using Ultrasound-Assisted Catheter-Directed Thrombolysis. *The Ochsner Journal.* doi:<https://doi.org/10.31486/toj.18.0147>

Elder, M., Kajy, M., Alraies, M., Kaki, A., Mohamad, T., Schreiber, T., ... Blank, N. (2019, October 21). Sex-related difference in the use of percutaneous left ventricular assist device in patients undergoing complex high-risk percutaneous coronary intervention: Insight from the cVAD registry. *The Ochsner Journal*. doi: <https://doi.org/10.1002/ccd.28509>

Elder, M. (2020, May 13). Deploying Mechanical Circulatory Support via the Axillary Artery in Cardiogenic Shock and High-Risk Percutaneous Coronary Intervention. *The American Journal of Cardiology*. doi: <https://doi.org/10.1016/j.amjcard.2020.04.039>

2. Peer-Reviewed Publications

Journal Reviewer:

International Journal of Infectious Diseases. "Management of Brachial Artery Thrombosis Post Catheterization: A Case Report" January 22, 2013.

Journal Publications:

Indigo Aspiration System for Treatment of Pulmonary Embolism: Results of the EXTRACT-PE Trial

Sista, A. K., Horowitz, J. M., Tapson, V. F., Rosenberg, M., Elder, M. D., Schiro, B. J., ... Chuang, M. L. (2021, February 8). Indigo Aspiration System for Treatment of Pulmonary Embolism. *JACC: Cardiovascular Interventions*, 14(3), 330-332. doi: <https://doi.org/10.1016/j.jcin.2020.09.053>

A Randomized Trial of the Optimum Duration of Acoustic Pulse Thrombolysis Procedure in Acute Intermediate-Risk Pulmonary Embolism. The OPTALYSE PE Trial.

Journal of the American College of Cardiology. Volume 11, Issue 14, July 2018. Victor F. Tapson, Keith Sterling, Noah Jones, Mahir Elder, Uttam Tripathy, Jayson Brower, Robert L. Maholic, Charles B. Ross, Kannan Natarajan, Pete Fong, Lee Greenspon, Houman Tamaddon, Amir R. Piracha, Tod Engelhardt, John Katopodis, Vasco Marques, Andrew S.P. Sharp, Gregory Piazza and Samuel Z. Goldhaber.

Krishnan, Abhinav C, et al. "Abstract 17230: Effectiveness of Catheter Directed Thrombolysis for Massive and Submassive Pulmonary Embolism Compared to Systemic Thrombolysis or No Thrombolysis." *Circulation*, By American Heart Association, Inc, 11 Nov. 2019, https://www.ahajournals.org/doi/10.1161/circ.140.suppl_1.17230.

Krishnan, Abhinav C, et al. "Abstract 17135: Management Of Submassive Pulmonary Embolism By Catheter Directed Thrombolysis: A Retrospective Analysis." *Circulation*, American Heart Association, Inc, 11 Nov. 2019, https://www.ahajournals.org/doi/10.1161/circ.140.suppl_1.17135.

Catheter-directed Therapy for Acute Pulmonary Embolism in Children. June 27, 2018. Pediatric Cardiology (PEDC)

The Use of Right Ventricular Impella in a Patient with Right Ventricular Failure Secondary to Massive Pulmonary Embolism: A Novel Alternative to Surgical Thrombectomy

Journal of the American College of Cardiology. Volume 71, Issue 11 Supplement, March 2018 DOI: 10.1016/S0735-1097(18)32748-7

Outcomes and effects of Hepatic Cirrhosis in Patients Undergoing Transcatheter Aortic Valve Implantation

Axillary Artery as Alternative Access for Mechanical Circulatory Support Devices: Technique and Outcomes From a High Volume Center .

Nimrod Blank, Alap Jani, Mahir Elder, Tamam Mohamad, Amir Kaki, Theodore Schreiber. March 2018 Journal of the American College of Cardiology 71(11):A1433 DOI 10.1016/S0735-1097(18)31974-0.

Pre-close technique of percutaneous closure for delayed hemostasis of large-bore femoral sheaths

Kusum Lata MD, Amir Kaki MD, Cindy Grines MD, Nimrod Blank DMC, Mahir Elder MD, Theodore Schreiber MD. Journal of Interventional Cardiology (JOIC)

Mechanical Circulatory Support for Acute Right Ventricular Failure in the Setting of Pulmonary Embolism

Mahir Elder, MD, Nimrod Blank, MD, Amir Kaki, MD, M Chadi Alraies, Cindy L. Grines, MD, Marvin Kajy, MD, Reema Hasan, MD, Tamam Mohamad, MD; Theodore Schreiber, MD. Journal of Interventional Cardiology (JOIC)

"*Mechanical Circulatory Support for High-Risk Pulmonary Embolism*" Mahir Elder, Nimrod Blank, Adi Shemesh, Mohit Pahuja, Amir Kaki, Tamam Mohamad, Theodore Schreiber, Jay Giri. *Intervent Cardiol Clin* 7 (2018) 119–128. <https://doi.org/10.1016/j.iccl.2017.09.002>

"*AngioVac System Used for Vegetation Debulking in a Patient with Tricuspid Valve Endocarditis: A Case Report and Review of the Literature*" *Case Reports in Cardiology*, vol. 2017, Article ID 1923505, 7 pages, 2017.

"*Safety and Efficacy of Direct Oral Anticoagulant (DOAC) Use in Patients Who Completed Catheter Directed Thrombolysis with the Endowave System*"

Journal of Hematology & Thrombosis. January 2017

"*Ultrasound Assisted Catheter Directed Thrombolysis in the Management of a Right Atrial Thrombus: A New Weapon in the Armamentarium?*"

Case Reports in Cardiology, vol. 2016, Article ID 4167397, 5 pages, 2016. doi:10.1155/2016/4167397.

"*Journal of Interventional Cardiology*"

Year in Review-Endovascular Interventional Cardiology: 2015 in Review

Diagnostic Evaluation of PAD

"Utilization of Catheter-Directed Thrombolysis in Pulmonary Embolism and Outcome Difference Between Systemic Thrombolysis and Catheter-Directed Thrombolysis" Nish Patel, Nileshkumar J. Patel, Kanishk Agnihotri, Sidakpal S. Panaich, Badal Thakkar, Achint Patel, Chirag Savani, Nilay Patel, Shilpkumar Arora, Abhishek Deshmukh, Parth Bhatt, Carlos Alfonso, Mauricio Cohen, Alfonso Tafur, **Mahir Elder**, Tamam Mohamed, Ramak Attaran, Theodore Schreiber, Cindy Grines, and Apurva O. Badheka. *Catheterization and Cardiovascular Interventions. Wiley Periodicals*. July 1, 2015.

The Prevalence of Psoriasis in Chronic Hepatitis C infection. Ahmad Zaaroura, Elena Salem, **Mahir Elder** and Ribhi Hazin. *Cleveland Clinic Journal*. Treatment Strategies for Stevens-Johnson Syndrome : Metaanalysis and a review of the literature. Ahmad Zaaroura, Elena Salem, **Mahir Elder** and Ribhi Hazin. *Cleveland Clinic Journal*.

"Single Versus Double Cryoplasty Inflations for Treatment of Above and Below Kneec Peripheral Arterial Disease" *Journal of the American College of Cardiology (JACC) Interventions*. December 2012.

"Symptomatic Radial Artery Thrombosis Successfully Treated with Endovascular Approach via Femoral Access Route." Ahmed Khurshid Pasha · Mahir D. Elder · Umer Ejaz Malik · Abdullah Mian Khalid · Zeeshan Noor · Mohammad Reza Movahed . *Cardiovascular Revascularization Medicine* 08/2014; 15(6-7). DOI:10.1016/j.carrev.2014.03.012

"Saddle Embolus and Right Atrial Clot: Using Catheter-Directed Thrombolysis for Management of Massive Pulmonary Emboli" Roba Alhasan MD, Osama Qaqi MD, **Mahir Elder** MD FACC. *Cath Lab Digest*. Volume 23, Issue 9. September 2015.

"Racial Disparities in Left Main Stenting: Insights from a Real World Inner City Population" Tamam Mohamad, **Mahir Elder**. *Journal of Interventional Cardiology*. July 26, 2012.

"Persistent Left Superior Vena Cava with Absent Right Superior Vena Cava: Out of Mind is Out of Sight?" Maithili Shenoy, Omaira Ali, Tushar Tuliani, Nour Juratli and **Mahir Elder**. *Journal of Clinic Case Reports* 2011

"Management of Brachial Artery Thrombosis Post Catheterization." *The Journal of Invasive Cardiology*, 25(3):E60-2. Muhammad Umer Siddiqui, Daniyeh Khurram, **Mahir Elder**, MD. March 2013

Kounis syndrome presenting as angioedema-induced myocardial infarction in an elderly patient. *Journal of the National Medical Association*.(submitted)

"Insights into Endovascular Revascularization in Limb Salvage Procedures Antegrade-Retrograde Technique in Chronic Total Occlusion" *Reviews in Cardiovascular Medicine*

Impact of Symptoms, Gender, Co-morbidities and Operator Volume of Carotid Artery Stenting (From the Nationwide Inpatient Sample [2006 - 2010]) Order of Authors: Apurva O Badheka; Ankit Chothani, M.D; Sidakpal S Panaich, M.D; Kathan Mehta, M.D; Nileshkumar J Patel, M.D; Abhishek Deshmukh, M.D; Vikas Singh, M.D; Shilpkumar Arora, M.D; Nilay Patel, M.D; Peeyush Grover, M.D; Neeraj Shah, M.D; Chirag N Savani, M.D; Achint Patel, M.D; Vinaykumar Panchal, M.D; Michael Brown, M.D; Amir Kaki, M.D; Ashok

Kondur, M.D; Tamam Mohamad, M.D; **Mahir Elder**, M.D; Cindy Grines , M.D; Theodore Schreiber , M.D

Impact of Operator Volume on Carotid Artery Stenting: Insights from Nationwide Inpatient Sample (2006 - 2010) Order of Authors: Apurva O Badheka; Ankit Chothani, M.D; Sidakpal S Panaich, M.D; Kathan Mehta, M.D; Nileshkumar J Patel, M.D; Abhishek Deshmukh, M.D; Vikas Singh, M.D; Shilpkumar Arora, M.D; Nilay Patel, M.D; Peeyush Grover, M.D; Neeraj Shah, M.D; Chirag N Savani, M.D; Achint Patel, M.D; Vinaykumar Panchal, M.D; Michael Brown, M.D; Amir Kaki, M.D; Ashok Kondur, M.D; Tamam Mohamad, M.D; **Mahir Elder**, M.D; Cindy Grines , M.D; Theodore Schreiber , M.D

"Hyperlipidemia Doubles The Risk of Multivessel Involvement in Peripheral Arterial Disease Despite Being on Statins" Anas Alani , Malitha Hettiarachchi , Tamam Mohamad, Sandip K Zalawadiya , Mohamed Shamiya , Mhd Firas Alnahhas, Elina Salem , **Mahir Elder**. *17th World Congress on Heart Disease*. Toronto, ON, Canada. July 27, 2012.

"Impact on In-Hospital Outcomes With Drug-Eluting Stents

Versus Bare-Metal Stents (from 665,804 Procedures)". Apurva O. Badheka, MD, Shilpkumar Arora, MD, Sidakpal S. Panaich, MD, Nileshkumar J. Patel, MD, Nilay Patel, MD, Ankit Chothani, MD, Kathan Mehta, MD, Abhishek Deshmukh, MD, Vikas Singh, MD, Ghanshyambhai T. Savani, MDf, Kanishk Agnihotri, MD, Peeyush Grover, MDf , Sopan Lahewala, MD, Achint Patel, MD,,Chirag bambhroliya, MD, Ashok Kondur, MDa , Michael Brown, MD, **Mahir Elder**, MD, Amir Kaki, MD, Tamam Mohammad, MD, Cindy Grines, MD, and Theodore Schreiber, MD. *American Journal of*

Cardiology.<http://www.ncbi.nlm.nih.gov/pubmed/25439448> 2014 Dec 1;114(11):1629-37. doi: 10.1016/j.amjcard.2014.08.033. Epub 2014 Sep 16 September 29, 2014

"Endovascular Interventional Cardiology: 2015 in Review." Derek C. White, **Mahir Elder MD**, Tamam Mohamad MD, Amir Kaki MD, Theodore Schreiber MD. *Journal of Interventional Cardiology 2015;9999:1-6. Wiley Periodicals, Inc.*

Elder MD FACP, M., Penugonda MD,N., Gardi MD FACP,D., Aberrant Origin of the Left Anterior Descending Artery and Quadrifurcation of Coronary Vessels Associated with Coronary Artery Disease: Evaluation by Computed Tomographic Angiography and Coronary Angiogram. *Journal of Invasive Cardiology (In Press)*. ISSN: 1042-3931, Volume 20, Issue 3, March 2008.

Elder, M, MD "Aberrant Origin of the Left Anterior Descending Artery and Quadrifurcation of Coronary Vessels Associated with Coronary Artery Disease": Evaluation by Computed Tomographic Angiography and Coronary Angiogram. *Journal of Invasive Cardiology (In Press)*. ISSN: 1042-3931, Volume 20, Issue 3, March 2008

Elder MD FACP, M., Schreiber MD, T., Marinescu MD PhD, V., Petrina MD, M. "Antegrade-Retrograde" Technique in Chronic Total Occlusion Endovascular Revascularization in Limb Salvage Procedures- A Case Study. *Journal of Invasive Cardiology*. July 2009

Cardiovascular Revascularization Medicine, 30 March 2011. Use of the Impella 2.5 for prophylactic circulatory support during elective high-risk percutaneous coronary intervention. Mirvat A. Alasnag, Delair O. Gardi, **Mahir Elder**, Hari Kannam, Farhan Ali, Mircea Petrina, Vipin Kheterpal, Mariah S. Hout, Theodore L. Schreiber.

An unusual presentation of acute lupus myocarditis: Case report and Review. Kamal Aburashed, Osman Tarabain, Manar Suker and **Mahir Elder**. *Journal of Medical Case Reports*. 2010.

"An Incidental Complication of Central Line Catheter Placement: Retention of a Guide Wire" *Cath Lab Digest*,

American College of Cardiology. Muhammad Baig, MD, Adnan Malik, MD, Ahmad Al-Taweel, MD, **Mahir Elder, MD, FACC, FSCAI**. March 2013.

Ali, F, Mohamad, T, Elder, M, Jacob, S, Gardi, D, Left Ventricular "Temporary Pacemaker Wire": a viable option in emergency situation. American Journal of Emergency Medicine. ISSN: 27, 374.e1-374.e2. January 2009.

Abuzetun JY, Satpathy R, Suker M, Elder M, Mooss A. "Naproxen Induced ST-elevation myocardial infarction in a 33 year old man". Journal of Cardiovascular Medicine. October 2010.

3. Reports of Original Work

Example:

1. Rosentul DC, Delsing CE, Jaeger M, Plantinga TS, Oosting M, Costantini I, Venselaar H, Joosten LA, van der Meer JW, Dupont B, Kullberg BJ, **Sobel JD**, Netea MG. Gene polymorphisms in pattern recognition receptors and susceptibility to idiopathic recurrent vulvovaginal candidiasis. Front Microbiol. 2014 Sep 23; 5:483. PMID: 25295030

PRESENTATIONS

1. Poster Presentations

"Gender-Related Difference in The Use Of Percutaneous Left Ventricular Assist Device in Patients Undergoing Complex High-Risk PCI: Insight from the CVAD Registry." Euro PCR 2018. Amir Kaki, Chadi Alraies, Nimrod Blank, Reema Hasan, Wah Wah Htun, Marvin Kaji, Ahmed Subahi, Tamam Mohamad, **Mahir Elder**, Cindy Grines, Theodore Schreiber.

"A five year experience of catheter directed thrombolysis (CDT) for arterial and venous thromboembolism" SCAI Scientific Session 2017.

"Managing Thromboembolism in Lower Limb Ischemia Post Superficial Femoral Artery (SFA) Revascularization" **Mahir Elder**, MD. Milan Patel, MS-IV. American College of Physicians (ACP 2014) Fort Lauderdale, FL. August 22, 2014.

"Impact of operator volume on cost of hospitalization after multivessel PCI in the US from 2006 to 2009" Patel N, Patel NJ, Arora S, Chothani A, Savani GT, Singh V, Bhalara V, Panaich S, Deshmukh A, Kaki A, **Elder M**, Brown M, Mohamad T, Kondur A, Badheka AO, Grines C, Schreiber TL. SCAI 2014. Las Vegas, NV. May 28-31, 2014.

"Impact of operator volume on length of stay after multivessel PCI in the US: A contemporary experience from 2006 to 2009." Patel NJ, Patel N, Arora S, Chothani A, Bhalara V, Savani GT, Grover P, Panaich S, Deshmukh A, **Elder M**, Brown M, Mohamad T, Kondur A, Kaki A, Badheka AO, Grines C, Schreiber TL. SCAI 2014. Las Vegas, NV. May 28-31, 2014.

"Variability in utilization of multivessel percutaneous coronary intervention (MVPCI): Influence of Operator

Volume and Institutional Volume." Savani GT , Patel NJ, Patel N, Arora S, Grover P, Chothani A, Singh V, Singh V, Panaich S, Deshmukh A, Pant S, **Elder M**, Brown M, Mohamad T, Kondur A, Kaki A, Badheka AO, Grines C, Schreiber TL. SCAI 2014. Las Vegas, NV. May 28-31, 2014.

"Impact of operator volume on in-hospital mortality after multivessel PCI in the US from 2006 - 2009." Agnihotri K, Patel NJ, Patel N, Arora S, Savani GT, Chothani A, Grover P, Singh V, Shah N, Bhalara V, Pant S, Panaich S, Kondur A, **Elder M**, Mohamad T, Kaki A, Badheka AO, Grines C, Schreiber TL. SCAI 2014. Las Vegas, NV. May 28-31, 2014.

"Variability in Drug Eluting Stent use: Influence of Operator Volume and Institutional Volume." Arora S, Patel NJ, Patel N, Chothani A, Grover P, Panaich S, Singh V, Deshmukh A, Brown M, **Elder M**, Mohamad T, Kondur A, Kaki A, Badheka AO, Grines C, Schreiber TL. SCAI 2014. Las Vegas, NV. May 28-31, 2014.

"Length of stay and cost of hospitalization of drug eluting stents vs bare metal stent in the US between 2006 and 2011." Panaich S, Arora S, Patel N, Patel NJ, Chothani A, Grover P, Deshmukh A, Singh V, Won S, Atallah A, Brown M, Mohamad T, **Elder M**, Kondur A, Kaki A, Badheka AO, Grines C, Schreiber TL. SCAI 2014. Las Vegas, NV. May 28-31, 2014

"Utility of the TruePath Device in the Endovascular Treatment of Chronic Total Arterial Occlusions" **Mahir Elder**, Prasad Gunasekaran, Tamam Mohamad, Osama Qaqi, Miami, Florida. January 18-22, 2014.

"Coronary Artery Calcium Score and its Association with Percutaneous Coronary Interventions in patients with Diabetes Mellitus: Multi Ethnic Study of Atherosclerosis (MESA)" Prasad Gunasekaran, **Mahir Elder**. USA EURO PCR Interventional Cardiology Conference. Paris, France. January 2013

"Factors influencing Discharge Against Medical Advice (AMA) in patients with chest pain" Prasad Gunasekaran, Arunkumar Muthusamy, **Mahir Elder**-Wayne State University, Detroit, MI, USA. *Pending November 15, 2012.*

"Single Versus Double Cryoplasty Inflations for Treatment of Above and Below Knee Peripheral Arterial Disease" CRT 2013. December 2012.

"The Outcome of Different Endovascular Revascularization Methods Used to Treat Critical Peripheral Arterial Disease." E M Malitha S Hettiarachchi, MD; Anas Alani, MD; Tamam Mohamad, MD; Camelia Arsene, MD, PhD; David H. Rustom; Hamza Aurakzai, MD; Adnan Kassier, **Mahir Elder**, MD, FACC. 17th World Congress on Heart Disease, Toronto, CA, July 2012

"Outcome of Catheter Based Revascularization for Peripheral Arterial Disease: Multi Vessel vs. Single Vessel Involvement." Malitha Hettiarachchi, MD; Anas Alani, MD; Tamam Mohamad, MD; David H. Rustom; Hamza Aurakzai, MD; Adnan Kassier; Sayf Al-Tabaqchali; Camelia Arsene, MD, PhD; **Mahir Elder**, MD, FACC. American College of Cardiology (ACC). March 2012- Chicago, IL

2011 AMA-RFS Research Symposium. *"Anti HTN & PAD"* Antihypertensive therapy reduces the risk of multivessel involvement in peripheral arterial disease regardless the type of medication--Anas Alani, Malitha Hettiarachchi, Tamam Mohamad, Sandip K Zalawadiya, Hamza Aurakzai, Adnan kassier, David H. Rustom, Sayf Al-Tabaqchali, Samer Kanno, **Mahir Elder**.

"Antegrade-Retrograde' Technique in Chronic Total Occlusion Endovascular Revascularization in Limb

Salvage Procedures - a Case Study" – Victor

Marinescu MD, PhD, Mircea Petrina MD, Delair Gardi MD, Mahir Elder MD, Theodore Schreiber MD, CRT, March 2009, Washington, DC

American College of Physician Associate Meeting 2002

"Symptomatic Ventricular Tachycardia in a Patient with Sarcoidosis"

American College of Physicians – Associate Meeting 2000

"Complicated Biventricular Gonococcal Endocarditis In The Antibiotic Era"

American College of Physicians – American Society of Internal Medicine –46th Annual Scientific Meeting – Set. 2000

"Complicated Biventricular Gonococcal Endocarditis In The Antibiotic Era"

1. Invited Lectures/Presentations

International Live Presentations:

Leipzig Interventional Course (LINC) 2015. *"Massive Pulmonary Embolism-The Next Frontier"* Leipzig, Germany. January 27-30, 2015

41st Annual Conference of the Egyptian Society of Cardiology-National Heart Institute. *"Heart Attack Programs in USA/CardioTeam One"* Fairmont Towers Hotel-Cairo, Egypt. February 24-27, 2014.

41st Annual Conference of the Egyptian Society of Cardiology- National Heart Institute. *"Acute Cardiac Care/Pulmonary Embolism"* Fairmont Towers Hotel-Cairo, Egypt. February 24-27, 2014.

2. National Live Presentations:

American College of Cardiology's Annual Scientific Session (ACC.22): Panelist, (April 2 - 4, 2022)

C3 Virtual Conference: Latest in STEMI PCI: Is Patent Epicardial Vessel Enough? May 30, 2020

Pulmonary Embolism: Overview and the Role for Interventional Cardiology; Mechanical treatment for Submassive and Massive PE Keynote Speaker Washington, DC February 23, 2020

Pulmonary Embolism: Overview and the Role for Interventional Cardiology; Pulmonary Embolism Panel Discussion Washington, DC February 23, 2020

CVC Chicago EndoVascular Conference. Chicago, IL. July 24-27, 2017.

C3 Complex Cardiovascular Catheter Therapeutics. *"Complications of PE Catheter Based Treatment"* Presenter. Orlando, FL. June 29, 2017.

C3 Complex Cardiovascular Catheter Therapeutics. *"Endovascular Management of PE"* Moderator.

Orlando, FL. June 29, 2017.

3rd Annual PERT Consortium. *"Massive PE Workshop: Hemodynamic Support Hands On: RV Impella, AngioVac, ECMO Pumps and Catheters."* Boston, MA. June 24, 2017.

3rd Annual PERT Consortium. *"Recognizing the Need to Support the Failing RV."* Boston, MA. June 24, 2017

Annual Complex Coronary, Vascular and Valvular Cases Symposium. LINC Mount Sinai Endovascular Symposium. *"New Devices for the Mechanical Treatment of Pulmonary Embolisms"* Presenter. New York, New York. June 13-14, 2017.

SCAI Annual Meeting. *Lung Attack: Pulmonary Artery Intervention.* Moderator. New Orleans, LA. May 12, 2017.

SCAI Annual Meeting. *CDT vs. Embolectomy vs. Heparin: How I Decide and How I Do It.* Speaker. New Orleans, LA. May 12, 2017.

Division of Cardiology Fellows on Massive/Submassive PE at the Heart Hospital. July 13, 2016.

2nd Annual PERT Consortium. *"Mechanical Support for PE"* Boston, MA. June 27-29, 2016.

CVC Chicago EndoVascular Conference. *"Ultrasound-Facilitated Treatment of PE: Tips, Tricks, and Pitfalls"* Presenter. Chicago, IL. July 9-11, 2015.

18th Annual Complex Coronary, Vascular and Valvular Cases Symposium. *"Endovascular Management of Pulmonary Embolism"* Speaker. June 17-19, 2015. New York, New York.

18th Annual Complex Coronary, Vascular and Valvular Cases Symposium. *"Covered Stents or BMS in Iliac Artery Stenosis - When & Why?"* Presenter. June 17-19, 2015. New York, New York.

C3 Complex Cardiovascular Catheter Therapeutics. *"Coronary Atherectomy"* Moderator. Orlando, FL. June 21, 2015.

American College of Cardiology's 64th Annual Meeting/ TCT@ACC-i2 2015 *"Catheter Based Therapy for Acute Massive PE"* Presenter. San Diego, CA. March 14-16, 2015.

American College of Cardiology's 64th Annual Meeting/ TCT@ACC-i2 2015 -Co Chair: *Venous Group* San Diego, CA. March 14-16, 2015.

American College of Cardiology's 64th Annual Meeting/ TCT@ACC-i2 2015 -Co Chair: *Iliac & SFA* San Diego, CA. March 14-16, 2015.

American College of Cardiology's 64th Annual Meeting/ TCT@ACC-i2 2015 Physician's Executive Committee- Endovascular/Vascular Access Working Group: developing program content for endovascular/vascular sessions. San Diego, CA. March 14-16, 2015.

CVC Chicago EndoVascular Conference. *"Venous Thromboembolism"* Panelist. Chicago, IL. July 9-11, 2014.

CVC Chicago Endovascular Conference. *"Angiovac or Lysis of Acute Massive Pulmonary Embolism"* Speaker. Chicago, IL. July 9-11, 2014.

C3 Complex Cardiovascular Catheter Therapeutics. "*Endovascular Management of Pulmonary Embolis: Call for Interventional Cardiologists*" Orlando, FL. June 26, 2014.

C3 Complex Cardiovascular Catheter Therapeutics. "*CLI and Wounds: Basic to Advanced*" Panelist. Orlando, FL. June 24, 2014.

C3 Hot Topic: Patient Selection and Basics of Technique for Endovascular Therapy for PE (with 2-minute discussion)
Your role: Presenter

Session: Femoropopliteal Disease: Non Drug-coated Treatment Strategies in 2016 Live Case Transmission – Rush University Medical Center, Chicago
Your role: Panel

American College of Cardiology (ACC.14). "*PAD-Chronic Occlusion of SFA*" Live Case Presentation transmitted from Detroit via satellite to Washington, DC and worldwide ACC members. March 29, 2014.

American College of Cardiology (ACC.14). "*PAD-Complex Below the Knee Chronic Occlusion*" Washington, DC. March 31, 2014.

American College of Cardiology (ACC.14) "*The Pros and Cons of Complete Revascularization Below the Knee: Critical Limb Ischemia—Advances in Management*" Washington, DC. March 31, 2014.

The Chicago EndoVascular Conference. "*Massive PE: A New Frontier*" Chicago, IL. July 10-12, 2013

C3 Complex Cardiovascular Catheter Therapeutics. "*Treatment of Large Pulmonary Embolism: How Can an Interventional Cardiologist Do These Cases?*" Presenter. Orlando, FL. June 18-21, 2013.

The Chicago EndoVascular Conference. "*Outcomes of Stent Supported Angioplasty in Complex Iliac Cases: Results of the EPIC and BRAVISSIMO Trials*" Chicago, IL. July 20, 2012

The Chicago EndoVascular Conference. "*XTREME PVD case of venous DVT*" Chicago, IL. July 20, 2012

The Chicago EndoVascular Conference. "*Controversies in Treating DVT*" Chicago, IL. July 20, 2012

C3 Complex Cardiovascular Catheter Therapeutics. "*Calcified Restenotic Common Femoral Artery Disease and Popliteal Stenosis Treated with Diamondback Atherectomy with Intraarterial Paclitaxel Infusion via ClearWay Catheter*" Expert Panel. Orlando, FL. June 21, 2012.

National Symposium. "*Advanced Techniques for Amputation Prevention.*" Las Vegas, Nevada. December 9-10, 2011.

"NAAMA 33rd Annual Medical Convention. "*Peripheral Artery Disease-Evidence based treatment and prevention*" Las Vegas, Nevada. September 2-5, 2011.

*The Chicago EndoVascular Conference. "*Revascularization of Aortoiliac Chronic Total Occlusions*" Chicago, IL. July 28, 2011.

The Chicago EndoVascular Conference. "*Xtreme PVD: Complex SFA Revascularization*" Expert panel. Chicago, IL. July 29, 2011.

The Chicago EndoVascular Conference. "*Update of SFA Stent Data*" Chicago, IL. July 29, 2011.

The Chicago EndoVascular Conference. " *Role of Plaque Modification Angioplasty*" Chicago, IL. July 29, 2011.

C3 Complex Cardiovascular Catheter Therapeutics. Advanced Endovascular and Coronary Intervention Global Summit. *Challenge of Calcified Lesions*. Baltimore, Maryland. June 20-24, 2010.

3. Oral Presentations:

2nd Annual Update in Rheumatology. **When the Joint Hurts, the Heart Cries: Cardiac Manifestations of Rheumatic Diseases**. Dearborn, Michigan. October 31, 2015.

Wayne State University-School of Medicine. 16th Annual Antithrombotic Therapy Symposium. " *What's New from the American College of Cardiology: Update on ACS and More*" Dearborn Inn, Dearborn, Michigan. May 22, 2014

DMC Heart Hospital: Heart Healthy Lecture Series & Outreach Program. " *Peripheral Artery Disease: Leg Pain Signs And Treatment*" Detroit, MI. April 23, 2015.

American College of Cardiology's 64th Annual Meeting/ TCT@ACC-i2 2015 " *Catheter Based Therapy for Acute Massive PE*" Presenter. San Diego, CA. March 14-16, 2015.

American College of Cardiology (ACC.14). " *PAD-Complex Below the Knee Chronic Occlusion*" Washington, DC. March 31, 2014.

American College of Cardiology (ACC.14) " *The Pros and Cons of Complete Revascularization Below the Knee: Critical Limb Ischemia—Advances in Management*" Washington, DC. March 31, 2014.

41st Annual Conference of the Egyptian Society of Cardiology-National Heart Institute. " *Heart Attack Programs in USA/CardioTeam One*" Fairmont Towers Hotel-Cairo, Egypt. February 24-27, 2014.

41st Annual Conference of the Egyptian Society of Cardiology-National Heart Institute. " *Acute Cardiac Care/Pulmonary Embolism*" Fairmont Towers Hotel-Cairo, Egypt. February 24-27, 2014.

Detroit Endovascular Conference " *A Case Based Review of Complex Endovascular Therapies*." Birmingham, Michigan. 13 February 2014.

Annual Michigan Podiatric Medical Association's Scientific Conference " *Peripheral Arterial Disease Symposium*" The Henry Hotel-Dearborn, Michigan. February 7, 2014.

American Heart Association, Scientific Session " *Effect of Operator Volume on Mortality and Complications of Carotid Artery Stenting: United States Perspective of Last 5 years*." Ankit Chothani, Nileshkumar J Patel, Kathan Mehta, Neeraj Shah, Ghanshyambhai T Savani, Shilpkumar Arora, Peeyush Grover, Aruna Tokas, Vikas Singh, Abhishek Deshmukh, Ankit Rathod, Tushar Tuliani, Rajeev Sudhakar, Apurva O. Badheka, Tamam Mohamad, **Mahir Elder**, Ashok Kondur, Theodore L Schreiber. 2013.

American Heart Association, Scientific Session " *Influence Of Operator Volume On Length Of Stay After Percutaneous Carotid Artery Stenting: A 5 Year United States Perspective Of 67,344 Procedures*." Neeraj Shah, Kathan Mehta, Nileshkumar J Patel, Ankit Chothani, Ghanshyambhai T Savani, Shilpkumar Arora, Vikas Singh, Peeyush Grover, Abhishek Deshmukh, Ankit Rathod, Dhaval Khalpada, Vipulkumar Bhalara, Rajeev Sudhakar, Sidakpal S Panaich, Tushar Tuliani, Apurva O Badheka, Tamam Mohamad, **Mahir Elder**, Ashok

Kondur, Theodore L Schreiber. 2013.

Detroit Endovascular Conference "A Case Based Review of Complex Endovascular Therapies" 16 May 2013.

Wayne State University School of Medicine-3rd Annual Urban Cardiology Conference. "Mechanical Treatment of Pulmonary Embolism" Detroit, Michigan. April 2013.

Cardiovascular Pathophysiology Small Group Discussions for Second Year Med Students. Wayne State University-School of Medicine. 15 January 2012.

17th World Congress on Heart Disease *Hyperlipidemia. Hyperlipidemia doubles the risk of multivessel involvement in peripheral arterial disease despite being on statins.* Anas Alani , Malitha Hettiarachchi , Tamam Mohamad , Sandip K Zalawadiya , Mohamed Shamiya , MHD Firas Alnahhas , Reem Katbey , Elina Salem , **Mahir Elder.** Issn 1556-7451, Volume 9, Number 1, p 36. Toronto, ON, Canada, July 27-30, 2012.
Wayne State University School of Medicine-2nd Annual Urban Cardiology Conference. "Renal & Peripheral Arteries" April 2012.

Sinai Grace Hospital/Wayne State University School of Medicine- 7th Annual Cardiology Symposium. "Frontiers in Cardiology" Detroit, Michigan. September 22, 2011.

ACP-Michigan, "Diabetes Mellitus and outcomes of Percutaneous Coronary Intervention" Michigan. September 2011.

Wayne State University School of Medicine-1st Annual Urban Cardiology Conference. "Various Cases of Peripheral Artery Disease" Detroit, Michigan. April 2011.

NAAMA's 32nd National Medical Convention. New York, New York. October 10, 2010. "Contemporary Endovascular Treatment of Peripheral Vascular Disease."

ECC-MI Conference Association & American Heart Association. "Sudden Cardiac Death" April 2010.

"Quadricuspid Aortic Valve associated with Unruptured Sinus of Valsalva Aneurysm" – Heart Valve Society of America / Valves in the Heart of the Big Apple IV May 2005.

American College of Cardiology-Chapter Competition 2002 1st Place "Myocardial Infarction Post Ovarian Hyperstimulation Syndrome"

Wayne State University Resident Research Day May 2001 "Complicated Biventricular Gonococcal Endocarditis In The Antibiotic Era"

Wayne State University Resident Research Day April 2000

International Medical Conference June 2004

"Biventricular ICD patients do not have increased Defibrillation and thresholds compared with patients receiving dual-chamber ICD's"

1ST Place Winner "Myocardial Infarction In Vitro Fertilization"

American College of Physicians-American Society of Internal Medicine-Atlanta 2001. American College of Physicians-American Society of Internal Medicine- Philadelphia 2002

