

CURRICULUM VITAE

CURRENT APPOINTMENTS

Assistant Professor
Director of Endovascular Surgery
Johns Hopkins Bayview Medical Center

OFFICE ADDRESS

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EDUCATION

1987-1992 DOCTOR IN MEDICINE (M.D.)
-Damascus University Faculty of Medicine, Damascus, Syria

1991-1992 *SENIOR CLERKSHIPS*

Baylor College of Medicine:

- Clinical Pediatrics Endocrinology and Metabolism
- Clinical Clerkship in Plastic Surgery
- Surgery on **Dr. DeBakey's** cardiovascular service
- Clinical Cardiology

The University of Texas Medical School at Houston:

- General Surgery

2008-2010 Master of Health Sciences (MHS)

The Johns Hopkins Bloomberg School of Public Health
(expected completion date June 2010)

RESEARCH EXPERIENCE

1993-1994 University of Texas Medical School, Houston, Texas.
1994-1995 St. Paul Medical Center & Mary Kay Ash Research Center,
Dallas, Texas;
University of Texas Southwestern Medical School, Dallas,
Texas.
2000-2001 Research Fellow in Cardiothoracic Surgery and
Transplantation, University of Southern California,
Children Hospital of Los Angeles, Department of
Cardiothoracic Surgery

RESIDENCY TRAINING

1995-1997: General Surgery

The University of North Dakota School of Medicine

1998-2003: General Surgery

The University of Southern California School of Medicine

January- June 2002:

United Kingdom Rotation, Derriford Hospital, Plymouth, England

FELLOWSHIP

July 2003 – June 2005:

Albert Einstein College of Medicine, Montefiore Medical Center, Vascular and Endovascular Surgery

GRANT:

1. **NIH KL-2 Johns Hopkins Clinical Research Scholar Program grant# 1KL2RR025006** (P.I., Funding period: 7/01/08-6/30/2013, \$ 550,000)
2. **NIH KL-2 supplement for clinical research projects grant# 1KL2RR025006** (P.I, September 2008- June 2009, \$ 70,000)
3. **NIH KL-2 supplement for clinical research projects grant# 1KL2RR025006** (P.I>, September 2009- June 2010, \$ 50,000)

CURRENT TRIALS:

Principal Investigator

- **CREST: Principle investigator**, this is a multi-center prospective, randomized trial comparing the gold standard carotid endarterectomy vs. the minimally invasive carotid stenting under cerebral protection to treat carotid artery stenosis and prevent stroke. The study is sponsored by the National institute of Health (NIH) and National Institute of Neurological Disorders and Stroke (NINDS).
- **CAPTURE II: Principle investigator**, this is a prospective, multi-center, post market trial of the FDA approved carotid devices RX Acculink® and RX Accunet™ (Guidant system). To provide additional information that the RX ACCULINK™ and RX ACCUNET™ can be used safely by a wide range of physicians under commercial use

conditions and to identify rare or unanticipated device-related events.

- **CHOICE: Principle investigator**, This is a prospective, multi-center, descriptive, post-market study of two carotid artery stent systems and two embolic protection systems RX Acculink®, RX Accunet™ and Xact®, Emboshield® BareWire™ among high surgical risk patients with carotid artery disease.
- **SAPPHIRE WW: Principal investigator**. This is a multi-center, prospective, observational study of 30-day MAE rate (any death, stroke or any MI) of carotid artery stenting with distal protection in high-surgical risk patients with atherosclerotic disease of the carotid artery. The devices utilized are the PRECISE® and ANGIOGUARD™ XP.
- **ROBUST: Principal investigator**. This is a prospective, randomized study comparing open bypass vs. angioplasty and stenting of the lower extremity in TASC II B and C lesions of the superficial femoral artery. The patients are symptomatic with Intermittent Claudication or threaten limb ischemia. The study aim to identify the patency and limb salvage rate, quality of life and walking distance improvement as well as the morbidities associated with each treatment modality.
- **ZILVER PTX: Principle investigator**, this is a phase-2, prospective, randomized study to evaluate the patency rate of the drug eluting Zilver PTX™ stent vs. bare metal Zilver stent (Cook Inc.) in the above-the-knee femoropopliteal artery.
- **PYTHAGORAS: Principle investigator**, This trial is intended to demonstrate the safety and efficacy of the Aorfix endovascular stent graft (Aorfix™) by Lombard medical in the treatment of abdominal aortic, aorto-iliac and common iliac aneurysms with angulated necks of up to 90 degrees.
- **JOHNS HOPKINS VASCULAR REGISTRY: Principle investigator**, this is a registry of vascular patients at The Johns Hopkins Institutions. This registry will provide useful clinical and non-clinical data for future studies.
- **EndoRefix: Principle investigator**, This is a prospective study to evaluate the efficacy and safety of the

Endo-stapler in securing endograft during Endovascular Abdominal Aortic Aneurysm Repair.

- **Mobility: Principle investigator** A Prospective, Non-Randomized, Multi-Center Clinical Trial to Evaluate the safety and Efficacy of the Absolute Pro™ Peripheral Self-Expanding Stent System in Subjects with Atherosclerotic *De Novo* or Restenotic Lesions in the Native Common Iliac Artery and/or Native External Iliac Artery, The “Mobility” Trial.
- **ACTIVE: Principle investigator** The ACTIVE Study is a non-randomized, prospective, multi-center, single arm study using the Assurant® Cobalt Iliac Stent System for the Treatment of Iliac Vessel Disease.
- **ACT I: Principle investigator**, this is a multi-center prospective, randomized trial comparing the gold standard carotid endarterectomy vs. the minimally invasive carotid stenting under cerebral protection for asymptomatic patients with severe carotid stenosis.

PRESENTATIONS:

- North Texas Chapter, American College of Surgeons: "Current Trends in Morbidity and Mortality of the Whipple Procedure", Dallas, TX - February 1996.
- Southwestern Surgical Congress: Invitation and Posters "Current Trends in Morbidity and Mortality of the Whipple Procedure" - Scottsdale, AZ, April 1996.
- Northern Plains Vascular Surgical Society: "Blunt Aortic Trauma", Denver, CO, January 1997.
- Society for Clinical Vascular Surgery, 32nd Annual Symposium on Vascular Surgery “Absence of Proximal Neck Dilatation Following Endovascular Aneurysm Repair With Balloon Expandable Stent Based Endograft” - Rancho Mirage, CA, March 2004.
- Twentieth Annual Vascular Fellows Abstract Presentation: “Balloon expandable stent based endograft don’t migrates” - New York, NY, April 2004.
- Thirty Second Annual Veith Symposium “Proximal Neck Dilatation Does Not Occur After EVAR with A Balloon Expandable Endograft” New York, NY November 2005.

- Johns Hopkins Riverside Medical Center Conference “When is Endovascular surgery offers a valid alternative to the traditional open repair?” Baltimore, MD, October 2005.
- Johns Hopkins Geriatrics Grand Rounds “The endovascular options for geriatric patients” Johns Hopkins BMC, Baltimore, MD, Jan 2006.
- Johns Hopkins Nephrology Grand round, “Endovascular management of renal artery disease”, Johns Hopkins BMC, Baltimore, MD, March 2006.
- Johns Hopkins Dundalk Medical Center Conference “Endovascular options for complicated vascular problems” Dundalk, MD, April 2006.
- Johns Hopkins White Marsh Conference “Endovascular options for complicated vascular problems” White Marsh, MD, May 2006.
- Johns Hopkins Neurology Grand Rounds, “Carotid disease: Proven techniques and future technologies” Baltimore, MD, June 2006.
- Mid-Atlantic Cardiovascular Symposium, “Carotid Disease: Proven Techniques and Future Technologies” Baltimore, MD, June 8, 2006.
- Johns Hopkins Odenton Conference “Will Endovascular treatment replace the traditional open vascular repair”, Odenton, MD, June 2006.
- Middlesex Medical Center Conference “Endovascular options for complicated vascular problems”, Middlesex, MD, August 2006.
- Johns Hopkins Internal Medicine Resident lecture “Peripheral Arterial Disease Diagnosis and Management” Baltimore, MD October 2006.
- Johns Hopkins Department of Medicine Grand Rounds “Minimal invasive approach to treat complicated cardiovascular patients”, October 24, 2006, Baltimore, MD.
- Chambersburg Hospital Grand Round “Quality improvement for carotid artery stenting” Chambersburg, PA February 2007
- Johns Hopkins Cardiology Rounds. “Does the minimally invasive Endovascular approach allow us to operate on patients with prohibitive coronary and pulmonary risks?” Baltimore MD August 2007

- New Cardiovascular Horizons and Management of the Diabetic Foot and Wound Healing 2007. Unique Endovascular Approach to Treat Common Iliac Artery Aneurysm with Contralateral Aorto-uni-iliac Endograft and a Femoral Bypass” New Orleans, LA, September 5 2007
- New Cardiovascular Horizons and Management of the Diabetic Foot and Wound Healing 2007. "Using Ethiodol To Treat Thoracic Duct Injury In A Patient With High-Output Chylous Leak After Aortic Debranching In Preparation For Endovascular Repair Of Aortic Arch Aneurysm” New Orleans, LA, September 6 2007
- New Cardiovascular Horizons and Management of the Diabetic Foot and Wound Healing 2007. " Paraplegia Following Endovascular AAA Repair EVAR” New Orleans, LA, September 8 2007
- Johns Hopkins Bayview Nursing Seminar “Nursing Management of the Vascular & Endovascular Patients”, Baltimore, MD, October 3, 2007
- American College of Surgery 93ed Annual Clinical Congress. “ Will Carotid artery stenting replace carotid endarterectomy?”, New Orleans, LA, October 10, 2007
- American Association of Cardiovascular and Pulmonary Rehabilitation (AACVPR) 22nd Annual Meeting. “Peripheral Arterial Disease: Advances in Diagnosis and Treatment”, Salt Lake City, UT, October 19, 2007.
- Thirty Fourth Annual Veith Symposium “External Iliac Artery to Superior Mesenteric Artery Bypass to Prevent Bowel Ischemia Prior to Endovascular Aneurysm Repair” New York, NY, November 16, 2007
- Pri-Med Med-Atlantic Current Clinical Issues in Primary Care “Peripheral Arterial Disease Diagnosis, Current Treatment Options and Appropriate Follow-Up”, Baltimore, MD, December 6, 2007
- Johns Hopkins Bayview Research Symposium “ Update on CREST: Carotid Revascularization Endarterectomy vs. Stenting Trial”, Baltimore, MD, December 7, 2007
- Johns Hopkins White Marsh Conference “Stroke Prevention Open and Endovascular Treatment” White Marsh, MD, December 14, 2007
- Arab Health Congress, Vascular Interventional Therapy “Carotid Artery Therapy, Clinical Trials Update” Dubai, Emirates, January 29, 2008

- Arab Health Congress, Vascular Interventional Therapy “ Aortic Interventions, Expanding the Anatomic Inclusion Criteria for EVAR ” Dubai, Emirates, January 29, 2008
- Arab Health Congress, Vascular Interventional Therapy “Long Segment SFA Occlusions: Tips and Techniques” Dubai, Emirates, January 29, 2008
- Acute Neuroscience Seminars Johns Hopkins Hospital “Is Carotid Stenting Going To Replace Carotid Endarterectomy?” Baltimore, MD February 26, 2008
- The Johns Hopkins Department of Surgery Second Annual Research Poster Session ” The Carotid Revascularization Endarterectomy vs. Stenting Trial CREST results of the lead in phase”, Baltimore, MD, February 28, 2008
- Johns Hopkins Green Spring Station Board of Governors “Advancements In The Treatments of Thoracic Aortic Aneurysms” Green Spring, MD, March 5, 2008.
- The Johns Hopkins Primary Care conference “Update On The Role Of Carotid Endarterectomy And Carotid Stenting In Preventing Stroke” Baltimore, MD June 27, 2008.
- King Abdullah University Surgical Congress, “Carotid Endarterectomy and Stenting are complimentary in the fight against stroke”, Jeddah, Saudi Arabia, November 4, 2008
- King Abdullah University Surgical Congress, “Advancement in the diagnosis and treatment of Peripheral Arterial Disease and Diabetes”, Jeddah, Saudi Arabia, November 4, 2008
- King Abdullah University Surgical Congress, “Technical Aspects of Endovascular Aortic Aneurysm Repair”, Jeddah, Saudi Arabia, November 5, 2008
- The Johns Hopkins Wyman Park Board Conference “Update on The Minimal Invasive Vascular Surgery” December 9, 2009
- Clinical and Translational Research and Education Meeting ACRT/SCTS “Revascularization with Open Bypass vs. Angioplasty and Stenting of the lower extremity Trial (ROBUST)”, Washington, DC, April 6, 2010

- National Kidney Foundation (NKF) “Renal Artery Stenting Works in the Right Patient” Orlando, FL, April 13-17, 2010

SESSION MODERATION:

- Arab Health Congress, Vascular Interventional Therapy, Vascular Potpourri, Moderator: Dr. Mahmoud B. Malas:
 1. Renal Artery Interventions: Indications and Techniques
 2. Endovascular Management of the Failing AV Fistula
 3. Current Management of Varicose VeinsDubai, Emirates, January 29, 2008

Fellows Trained:

Brian Bethea
Torin Fitton
Richard Pin
Mark Fugate

Chief Resident:

Debashish Bose
Vanita Ahuga
G. Melton-Meaux
Christina Vassileva
Edmund Kassis
Zoe Stewart
Michael Awad
Vincent Daniel
Jason Sicklick
Christopher Barreiro
David Joyce
Eric Hanly
Jason Williams
Prashanth vallabhajosyula
Ying Wei Lum
Jordan Winter
Christopher Simpinks
Meghan Arnold

Residents

Charles Galanis
Chris Sciotino
Jonathan Berger
Trevor Ellison
Skye Mayo
Katherine Emery
Ariel Rad
Mazen Bedri
Matt Wiess
Jayme Lock

Endovascular Training:

- Endovascular Products and Techniques, Minimally Invasive Surgical Training Center Johns Hopkins Hospital April 29-30, 2006: **Director of the Course.**
This training course (28 attendants) involved didactic, Simulator, and animal lab sessions. Topics covered: Introduction to Endovascular techniques, Radiation Safety and Contrast Agents, Arteriovenous Fistula Management, Endovascular Management of Aorto-Iliac Occlusive Disease, Endovascular Management of SFA Disease, Covered Stents, Vena Cava Filters, and Renal Artery Stenting.
- Endovascular Products and Techniques, Minimally Invasive Surgical Training Center Johns Hopkins Hospital March 16-18, 2007: **Director of the Course**
This training course (35 attendants) involved didactic and animal lab sessions. Topics covered: Introduction to Endovascular Techniques, Radiation Safety and Contrast Agents, Arteriovenous Fistula Management, Endovascular Management of Aorto-Iliac Occlusive Disease, Endovascular Management of SFA Disease, Covered Stents, Vena Cava Filters, Renal Artery Stenting, Carotid Artery Stenting and Endovascular Management of Abdominal Aortic Aneurysm.

BOOK CHAPTERS:

“Surgical Breast Diseases”, Thesis, Damascus University, July 1992

“Endovascular Treatment of Abdominal and Thoracic Aneurysms”, Peripheral Vascular Intervention 2005

“Macrovascular Complications in The Elderly Diabetic “, Textbook of Men’s Health and Aging 2007

"Endovascular Treatment of Abdominal Aortic Aneurysm" John Cameron, Current surgical therapy 9th Edition 2009

" Minimally Invasive Endovascular Surgery ". International Principles of Laproscopic Surgery 2010.

“Management Of Reurrent Carotid Artery Stenosis” John Cameron, Current surgical therapy 10th Edition (In press 2010) ”

“Abdominal Aortic Aneurysm and Unexpected Abdominal Pathology “John Cameron, Current surgical therapy 10th Edition (In press 2010)

PUBLICATIONS

1. Malas MB, Barr ML, Starnes VA, Shapiro S, Palmer S, Schwartz DS, “Dyspnea Lusoria compression of the pulmonary artery by Kommerell’s Diverticulum” Annals Thoracic Surgery 2002;73:312-313

2. Malas MB, Katkhouda N, “Internal hernia as a complication of laparoscopic Nissen fundoplication”, Surgical Laparoscopy, Endoscopy & Percutaneous Techniques, 2002; 12(2):115-6.

3. Wells W, Malas MB, Baker CJ, Quardt SM, Barr ML, "Depopulated vena caval homograft: A new venous conduit" The Journal of Thoracic and Cardiovascular Surgery, 2003, 126(2) 498 - 503.

4. Reed T, Veith FJ, Gargiulo NJ, Timaran CH, Ohki T, Lipsitz EC, Malas MB, Wain RA, Suggs WD, ” System to decrease length of stay for vascular surgery” Journal of Vascular Surgery February 2004; 39 (2) 395-99

5. Timaran CH, Ohki T, Rhee SJ, Veith FJ, Gargiulo NJ 3rd, Toriumi H, Malas MB, Suggs WD, Wain RA, Lipsitz EC. “Predicting aneurysm

enlargement in patients with persistent type II endoleaks” *Journal of Vascular Surgery*, 2004 Jun; 39(6):1157-62.

6. Timaran CH, Ohki T, Veith FJ, Lipsitz EC, Gargiulo NJ, Rhee SJ, Malas MB, Suggs WD, Pacanowsk JP “Influence of type II endoleak volume on aneurysm wall pressure and distribution in an experimental model” *Journal of Vascular Surgery* April 2005; 41(4) 657-63

7. Malas MB, Ohki T, Veith FJ, Chen T, Lipsitz EC, Suggs WD, Timaran CH, Gargiulo NJ, Parodi JC, “Absence of proximal neck dilatation and graft migration following endovascular aneurysm repair with balloon expandable stent-based endograft”. *Journal of Vascular Surgery*, October 2005; 42 (4) 639-644

8. Malas MB “Opyimal blood pressure before and after carotid endarterectomy”. *Consultant*, December 2007: 47 (14) 1216

9. Barnnett BP, Qazi U, Perler BA, Malas MB, "Novel Approach to a type I endoleak following a hybrid repair of an arch aortic aneurysm" *Vascular and Endovascular Surgery*, August/September 2009: 43 (4) 389-92

10. Janvier A, Hamdan H, Malas MB, "Bilateral Renal Vein Thrombosis and Subsequent Acute Renal Failure Due to IVC Filter Migration and Thrombosis". *Journal of Clinical Nephrology*, May 2010(5/2010): 73 408-412

11. Hassoun H, Malas MB, Freischlag JA, “Secondary Stroke Prevention in the Era of Carotid Stenting: Update on the Recent Trials”. Accepted to *Archives of Surgery* September 2009

12. Malas MB, Robotham D, Qazi U, Veith FJ “Unique endovascular approach to treat common iliac artery aneurysm with contralateral aorto-uni-iliac endograft and a femoral-femoral bypass’ accepted to *Journal of Vascular and Interventional Radiology* 2010

13. Malas MB, Qazi U, Perler B, Freischlag JA ““Revascularization with Open Bypass vs. Angioplasty and Stenting of the lower extremity Trial (ROBUST)”, Abstract, *Clinical and Translational Science* volume 3, issue 2 April 2010

LICENSURE

- Medical Board of California, No. A69875, September 24, 1999
- Royal College of Medicine, United Kingdom, Specialist Registrar, No. 6033429, October 2001
- University of the State of New York, No. 229776, August 28 2003
- Maryland Board of Physician, No. D63490, July 19, 2005

CERTIFICATIONS

- Educational Commission for Foreign Medical Graduates, July 1994
- Advanced Cardiac Life Support, June 1995
- Advanced Cardiac Life Support, June 2000
- Advanced Trauma Life Support, February 1996
- Advanced Trauma Life Support, November 2000
- Drug Enforcement Administration, March 2000
- Albert Einstein College of Medicine Fluoroscopy Certified, Nov.2003
- The American Board of Surgery, General Surgery Certified, May 2004
- The American Board of Surgery, Vascular Surgery Certified, May 2007

MEMBERSHIPS

- American Medical Association 1997
- American College of Surgeons Candidate Group 1996
- American College of Surgeons Diplomat Group 2003
- American College of Surgeons Fellow 2009
- Society of Graduate Surgeons of Los Angeles County/ University of Southern California Medical Center 2003
- International Society of Vascular Surgery 2004
- European Society of Vascular Surgery 2004
- Society of Vascular Surgery Candidate group 2004
- Society of Vascular Surgery Fellow 2009
- Peripheral Vascular Surgery Society 2005
- Eastern Vascular Society 2008

HONORS

- Baylor College of Medicine Plastic Surgery Clerkship
- University of Texas Houston Medical School General Surgery Externship

AWARDS

- **Outstanding Teacher as a House Officer**
University of Southern California, September 1, 2000
- **Physician's Recognition Award**
American Medical Association, October 1, 2001

- **Best Poster Presentation Award**
The Clinical Society of Vascular Surgery march 2004
- **Johns Hopkins Service Excellence Reward**
“For demonstrating exemplary Service Excellence and inspiring others to do their best” July 24, 2009
- **Hopkins Catch a Shining Star Service Excellence**
Quarterly winner, September 5, 2008
- **Johns Hopkins Service Excellence Reward**
“For demonstrating exemplary Service Excellence and inspiring others to do their best” April 28, 2009
- **Scholar Abstract Award**
“Revascularization with Open Bypass vs. Angioplasty and Stenting of the lower extremity Trial (ROBUST)”, 2010 Clinical and Translational Research and Education Meeting for the Association of Clinical Research Training (ACRT) and Society of Clinical and Translational Science (SCTS) joint annual meeting April 5-7, 2010, Washington, DC,

REFERENCES

Julie A. Freischlag, M.D., FACS

The William Stewart Halsted Professor
Chair, Department of Surgery
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720 Rutland Avenue/room 759
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