

CURRICULUM VITAE – Bassiouny Hisham

Name: Hisham Bassiouny, MB,Bch.
Date of Birth: March 30, 1954
Place of Birth: Cairo, Egypt
Citizenship: USA
Languages: English, French, German, Arabic

EDUCATION:

High School Diploma, Victoria College, Maadi, Cairo 1967-70
Pre-Medical, Cairo University, Faculty of Natural Sciences 1970-1971
Mb. Bch. Diploma, Cairo University, School of Medicine 1971-1977

GRADUATE TRAINING:

Transitional Internship, Cairo University Hospitals 1977-1978
Institute for Cardiothoracic Surgery, Cairo, Egypt 1978-1979
General Practitioner, Military Service, Egypt 1979-1980
Surgical Internship, Linz General Hospital, Linz, Austria 1980-1981
Surgical Internship, Maryland General Hospital, Baltimore, MD 1981-1982
General Surgical Residency, Henry Ford Hospital, Detroit, MI 1982-1986
Clinical Vascular Fellow, Henry Ford Hospital, Detroit, MI 1986-1987
Cardiovascular Post- Doctoral Research Fellow, University of Chicago 1986-1987

FACULTY APPOINTMENTS:

Professor of Surgery, University of Chicago 2004-2011
Associate Professor of Surgery, University of Chicago 1996-2003
Assistant Professor of Surgery, University of Chicago 1989-1996
Instructor of Surgery, University of Chicago 1987-1989

ADMINISTRATIVE and DEPARTMENTAL APPOINTMENTS:

Chief of Vascular Surgery and Endotherapy, Dar Al Fouad Hospital, Cairo, Egypt 2011-present
Consultant, Maadi Egyptian Armed Forces Hospital 2012-present
Chief, Section of Vascular Surgery and Endovascular Therapy, University of Chicago 2006-2011
Program Director, Vascular Surgery Fellowship, University of Chicago 2006-2011
Director of Non-Invasive Vascular Laboratory, University of Chicago 1988-2011
Medical Director-University of Chicago Vascular Surgery at Weiss 1999-2011
Vice Chairman- University of Chicago Department of Surgery at Weiss 2003-2004
Director of Surgical Education at Weiss 2004-2008

NATIONAL/ REGIONAL SOCIETIES COMMITTEE and BOARD OF SURGERY APPOINTMENTS

Chairman- Local Arrangement Committee- Midwestern Vascular Surgical Society 1999
President- Roy D Mclure Surgical Society 1993
President- Chicago Endovascular Society 1999
Member- Scientific Program Committee- Society for Vascular Surgery 1999
Chairman- Scientific Program Committee- Society for Vascular Surgery 2002
Member- International Advisory Board- Middle East and North Africa (MENA) Chapter/International Society of Cardiovascular Surgeons (International

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Society of Cardiovascular Surgeons- ISCVS	2002
Member- Lifeline Research and Education Committee- Society for Vascular Surgery	2004
Ad Hoc Member- Atherosclerosis and Inflammation in the Cardiovascular System (AICS)	
Study Section- NHLBI/ NIH	2005-2006
Charter Member- Atherosclerosis and Inflammation in the Cardiovascular System (AICS)	2007-2009
Study Section- NHLBI/ NIH	
Vascular Surgery Board Examiner, Certifying Exam	2007-2011
Member- International Relations Committee- Society for Vascular Surgery	2008-2011

HONORS AND AWARDS:

Matriculated with Honors- Cairo University Medical School	1976
Annual Chicago Vascular Research Seminar Award	1988
Louis Block Award	1989
American Heart Association Grant in Aid Award	1996
R01 National Institute of Health Award	1996
Whitaker Foundation Grant Award	2001
R01 National Institute of Health Award	2002

HOSPITAL APPOINTMENTS and CLINICAL PRACTICE SITES:

Attending Staff- University of Chicago Medical Center, Chicago, IL
Attending Staff- Weiss Memorial Hospital, Chicago, IL

CLINICAL INTERESTS

Image analysis of carotid plaque structure, carotid endarterectomy and stenting
Open and endovascular management of carotid artery disease and aortic aneurysms (thoracic, thoraco-abdominal, and abdominal)
Robotic Vascular Surgery

MEDICAL SCHOOL and HOSPITAL COMMITTEES

Core Curriculum Committee- University of Chicago, Department of Surgery	1990-1992
Student Curriculum Committee- University of Chicago, Department of Surgery	1991-1993
Research Committee- University of Chicago, Department of Surgery	1996-2000
Operating Room Committee- Weiss Memorial Hospital	1994- 2002
Quality Resource Management Committee- Chairman, Weiss Memorial Hospital	2003
Committee on Molecular Medicine- University of Chicago	2003- 2010
Committee for Resident Education- University of Chicago Department of Surgery	2004-2011
Committee for Medical Student Education- University of Chicago Department of Surgery	2004-2011
University of Chicago Clinical Research Board	2007-2011

CERTIFICATION AND LICENSURE:

Diplomate of the American Board of Surgery	#33155 - 3/88
Recertification in General Surgery	#33155 - 7/10
Certificate of Added Qualifications in General Vascular Surgery	#100057- 10/88
Recertification in General Vascular Surgery	#100057- 7/18

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State of Illinois Licensure	#036-075451- current
State of Michigan Licensure	#403406- 7/03
FLEX- State of Maryland	1982
Visa Qualifying Exam	1979
ECFMG	#304-911-1-1979

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

Egyptian Medical Syndicate	
American Medical Association	1988
Roy D. Mclure Henry Ford Hospital Surgical Society	1988
Association of Academic Surgery	1989
Midwestern Vascular Surgical Society	1990
Chicago Surgical Society	1991
American Heart Association Scientific Council I Cardiothoracic and Vascular Surgery	1992
American Venous Forum	1992
International Society for Cardiovascular Surgery	1993
American Association for the Advancement of Science	1993
Fellow- American College of Surgeons	1994
Peripheral Vascular Surgical Society	1995
American Heart Association of Metropolitan Chicago	1994
International Society for Endovascular Specialists	1995
Egyptian Society for Vascular Surgery and Angiology	1996
Society for Vascular Surgery	1996
Chicago Endovascular Society	1999
Society for University Surgeons	1999
American Vascular Research Organization	2003
International Society for Cardiovascular Specialists	2005
Association of Program Directors in Vascular Surgery	2006

PEER SCIENTIFIC JOURNAL REVIEWER

Annals of Vascular Surgery
Journal of Vascular Surgery
Atherosclerosis, Thrombosis, and Vascular Biology
British Medical Council
American Journal of Pathology
Stroke

ENDOASCULAR DEVICE TRAINING

Basic Endovascular Course, University of Cincinnati	1994
Intermediate Endovascular Course, Arizona Heart Institute	1995
Guidant Ancure Infra renal AAA Stent Graft, University of Pittsburgh	1999
Medtronic Aneurix Infra renal AAA Stent Graft, Stanford University	1999
W.L Gore Excluder Infra renal AAA Stent Graft, Antwerpen, Belgium	2002
Cook Zenith Infra renal Stent Graft, Chicago	2003
Percutaneous AAA Stent Grafting, Baylor Methodist Hospital	2005
Guidant Acculink and Acculink Carotid Protection and Stenting System	2005
W.L Gore TAG Thoracic Aortic Stent Graft, University of Pittsburgh	2005

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Cook Zenith TX2 Thoracic Stent Graft, University of Washington	2010
Cook Zenith Fenestrated Stent Graft, University of Lille	2011
Cook Iliac Branch Device, University of Lisbon	2012

PROCTORSHIP /CONSULTANT

Cook Medica	2011
Jotech GMBH	2012

LAPARO-ROBOTIC TRAINING

Intuitive DaVinci Robotic Training, Johns Hopkins University	2004
Porcine Visceral Robotic Bypasses, University of Illinois, Chicago	2004
Robotic iliac and renal artery bypasses, The University of Minnesota,	2006
Intuitive DaVinci Robotic Training, Sunnyvale, CA	2007
Intuitive DaVinci Robotic Training with Petr Stadler, MD, Prague, The Czech Republic	2007

FUNDING

PRINCIPLE INVESTIGATOR:

W. L. Gore: 7/1/87- 6/30/89

Effect of wall motion inhibition on anastomotic intimal hyperplasia.

PI: Hisham S. Bassiouny

Funding: \$20,000

Louis Block Grant: 9/89

Effect of flow and compliance mismatch on anastomotic neointimal hyperplasia.

PI: Hisham S. Bassiouny

Funding: \$24,523

Mellon Foundation Grant: 8/90

Anastomotic intimal hyperplasia.

PI: Hisham S. Bassiouny

Funding: \$25,000

University of Chicago, Dept. of Surgery Research Award: 7/1/92- 6/30/93

Morphologic and physiologic correlations in anastomotic intimal hyperplasia.

PI: Hisham S. Bassiouny

Funding: \$23,868

Washington Square Foundation Grant 7/15/92

Use of transcranial doppler in the assessment of intracranial disease in the elderly.

PI: Hisham S. Bassiouny

Funding: \$13,500

American Heart Association: 7/1/95 - 6/3/98

Pathobiologic mechanisms in anastomotic intimal hyperplasia.

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PI: Hisham S. Bassiouny

Funding: \$120,000

National Institutes of Health R01: 9/1/96- 8/30/99

Shear stress regulation of intimal hyperplasia.

PI: Hisham S. Bassiouny

Funding: \$1,486,360

The University of Chicago, Surgery Research Committee Seed Grant: 01/01/00- 06/30/01

Pathobiology and treatment of venous intimal hyperplasia

PI: Hisham S. Bassiouny

Funding: \$25,000

W.L. Gore and Associates: 08/24/01- 08/31/02

Mechanism and prevention of arteriovenous PTFE graft failure.

PI: Hisham S. Bassiouny

Funding: \$54,000

National Institutes of Health R01: 09/01/02- 08/31/07

Biomechanical mechanisms and venous intimal hyperplasia.

PI: Hisham S. Bassiouny

Funding: \$1,407,621

Pharmada (now Pfizer): 04/01/02 - 03/31/04

Structural and molecular determinants of the unstable carotid plaque.

PI: Hisham S. Bassiouny

Funding: \$125,000

Pfizer: 06/22/06 - 06/23/07

Structural and molecular determinants of carotid atherosclerotic plaque tissues.

PI: Hisham S. Bassiouny

Funding: \$230,000

CO-INVESTIGATOR:

National Institutes of Health: 7/1/88-6/30/93

Biomechanical factors in anastomotic intimal hyperplasia.

PI: CK Zarins

Funding: \$775,384, Grant No: 1R01HL41267-01

Whitaker Biomed Engin Res Grant: 09/01/0- 08/30/03

An investigation of biomechanical mechanism in arteriovenous graft failure.

PI: F Loth

Funding: \$90,734

National Institutes of Health: 08/05/03- 06/30/07

PI: Saloner, (NCIRE)

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MRI determination of carotid atherosclerosis progression. Funding: \$1,225,631, Grant No 1R01NS045085-01A1

Whitaker Biomed Engin Res Grant: 09/1/03- 08/31/06

Development of algorithms for quantitatively accurate image reconstruction of X-Ray fluorescence computed tomography.

PI: P LaRiviere

Funding: \$239,199

A multimode sonic and ultrasonic diagnostic imaging method.

PI: T Royston

Funding: \$342,630, Grant No.1R21EB002511-01

PARTICIPATING INVESTIGATOR AND CLINICAL TRIALS:

NIH-SCOR Atherosclerosis Project 82: 12/1/86- 11/30/91

Effect of heart rate, hypertension and modulations of flow on coronary atherosclerosis.

PI: CK Zarins

Funding: \$1,197,105

NIH-SCOR Atherosclerosis Project III: 12/1/91- 11/30/96

Effects of modulation of pressure and flow on vessel wall adaptation: A molecular analysis.

PI: S Glagov

Funding: \$219,636

Otsuka Pharmaceuticals: 08/01/01- 07/31/04

Protocol 21-98-214-01A randomized, double-blind, placebo-controlled, multicenter, parallel-arm, study to assess the long-term effects of Pletal (cilostazol) versus placebo administered orally to patients with intermittent claudication secondary to peripheral arterial disease.

PI: Hisham S. Bassiouny

Funding: \$2,010/patient

CAPTURE Trial: Carotid RX Acculink/Accunet post approval trial to uncover unanticipated or rare events (CAPTURE).

SPONSOR: Guidant PI: John Lopez, MD

Status: IRB approved; closed to enrollment

ART ASSIST: Hemodynamic therapy in peripheral arterial disease.

SPONSOR: Investigator Initiated

PI: Hisham Bassiouny

Status: IRB approved

IRB APPROVED PROTOCOLS:

MRI Determination of Carotid Atherosclerosis Progression (123868)

Original Approval: 07/01/03, Renewed: 03/19/07

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A Multimode Sonic & Ultrasound Diagnostic Imaging Method (135278)

Original Approval: 01/14/2005, Renewed: 12/19/2005

Minimally Invasive Visceral Robotic Bypass Surgery Study (14088A)

Original Approval: 09/12/2005, Renewed: 08/08/2006

Hemodynamic Therapy in Peripheral Arterial Disease (14144A)

Original Approval: 09/27/2005, Renewed: 08/15/2006

Structural and Molecular Determinants of the Unstable Carotid Plaque (14177 A)

Original Approval: 10/03/2005, Renewed: 09/05/2006

Structural and Molecular Determinants of Lower Extremity Plaque (15360A)

Original Approval: 04/19/07

Minimally invasive computer-assisted vascular surgery using the da Vinci surgical system

(17002A) Original Approval: 2010

COURSE DIRECTORSHIP

Advances in the Diagnosis and Management of Carotid Occlusive Disease, Chicago, 9/99

Simulation in Hemodynamics Workshop, U of C/Argonne National Labs /U of Illinois, Chicago, 3/01

Advances in the Diagnosis and Treatment of Aneurysms and Lower Extremity Occlusive Disease, Chicago, 9/01

Symposium for Minimally Invasive Treatment for Abdominal Aortic Aneurysms and Lower Extremity Occlusive Disease, Chicago, 6/03

Art and Science- Stenting for Carotid Stenosis and Aortic Aneurysms, Chicago 4/05

INVITED FACULTY and COURSE PARTICIPATION

Moderator- Annual Chicago Vascular Research Forum, 1994- 2001

Invited Faculty- Treatment of Peripheral Vascular Disease, Tinley Park, IL, 1999

Invited Faculty- Chicago Vascular Forum, Chicago, IL, 2000

Invited Faculty- Northwestern Memorial Annual Vascular Symposium, 2000

Invited Faculty- ISCVS /Middle East and North African Chapter- Cairo, Egypt, 2002

Invited Faculty- ISCVS /Middle East and North African Chapter, Alexandria, Egypt, 2003

Invited Faculty- 14th National Symposium/ Non Invasive Diagnosis of Vascular Disease, StLouis, 2005

Invited Faculty- Research Initiatives in Vascular Disease (SVS/NHLBI), Washington, DC, 2005

Invited Faculty- Society for Vascular Ultrasound Annual Meeting, Chicago, 2005

Invited Faculty- VEITH Annual Symposium, New York, 2005

Invited Faculty- Vascular Society of Egypt, 2006

Invited Faculty- 5th International Vascular and Endovascular Congress, Bibliotheca Alexandrina, 2006

Invited Faculty/Moderator- Middle East and North African Society for Vascular Surgery, Aswan, Egypt, 2007

Invited Faculty- 15th National Symposium/ Non Invasive Diagnosis of Vascular Disease, St. Louis, 2007

Invited Faculty- Research Initiatives in Vascular Disease (SVS/NHLBI), Washington, DC, 2007

Invited Faculty- 16'h National Symposium/ Noninvasive Diagnosis of Vascular Disease, St. Louis, MO, 2009.

Invited Faculty- Endovascular Surgery: Bringing Basic Science into Clinical Practice, Karolinska Institute, Stockholm, 2009.

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Invited Faculty- Northwestern University Vascular Symposium, Chicago 2009

Invited Faculty- Vascular Society of Egypt ,Sharm El Sheikh, Egypt, 2010

Invited Faculty- Society for Vascular Surgery/ Vascular Ultrasound Annual Meeting Joint Session, Denver, 2010

Invited Faculty- 17th National Symposium / Noninvasive Diagnosis of Vascular Disease, St. Louis, MO, 2011

Invited Faculty- Vascular Society of Egypt, Hurghada, 2011

Invited Faculty- TEVAR Tips and Tricks. Cardio Alex 2015. Bibliotheca Alexandrina. June 2015

Invited Faculty- Acute Aortic Syndromes: Interventional Perspective: DAF Cardiology Conference. Fairmont Hotel. May 2014

Invited Faculty- Advances in EVAR and TEVAR. Egyptian Society of Cardiology PVD Working Group, October 2014.

Invited Faculty- Intervention for Type B Aortic Dissections. First Annual Cardiology Conference of the Suez Canal Authority, April 2014

Invited Faculty- Percutaneous EVAR. First Annual Cardiology Conference of the Suez Canal Authority, April 2014.

Invited Faculty- Decision making in Type B Aortic Dissections. 10th Annual Meeting Vascular Society of Egypt. March 2014.

Invited Faculty- Diabetes and Carotid Plaque Structure. 2nd Annual Conference on the Diabetic Foot, National Institute for Diabetes, December 2013

Invited Faculty- Advances in Endovascular Aortic Aneurysm Repair. Al Mansoura University, Egypt, November 2013.

Invited Faculty- Supraortic Branches. Utility in arterial reconstruction for aortic aneurysms and occlusive disease. 8th Annual Egyptian Vascular Club Meeting. December 2012

Invited Faculty- Asymptomatic Carotid Stenosis “When to Intervene “. 8th Annual Egyptian Vascular Club Meeting, December 2012

Invited Faculty- What’s New in EVAR. 8th Annual Dar Al Fouad Hospital Cardiology Meeting, May 2013

Invited Faculty- Asymptomatic Carotid Stenosis “What to do “. Annual Vascular Conference, Zagazig University, Egypt, May 2013.

Invited Faculty- Clinical Education at the Maadi Armed Forces Hospital: Personal Experience. Military Medical Academy, Egypt. March 2013.

Invited Faculty- Carotid Artery Stenting vs Endarterectomy, 2012 Update. 9th Annual Meeting of the Vascular Society of Egypt. March 2012

Invited Faculty- Repair of Complex Aortic Aneurysms. 9th Annual Meeting of the Vascular Society of Egypt. March 2012

DOCTORAL THESIS, FELLOW, RESIDENT and STUDENT MENTORING

Heather Hall, MD, Clinical Vascular Fellow, 2009- 2011

The University of Chicago

Timothy Wu, MD, Clinical Vascular Surgery Fellow, 2008-2010,

The University of Chicago, currently Assistant Professor of Surgery, University of Pittsburgh

John Carson, MD, Clinical Vascular Surgery Fellow, 2007-2009,

The University of Chicago, currently Assistant Professor of Surgery, UC Davis, Sacramento

Jateen Prema, MD, Clinical Vascular Surgery Fellow, 2006-2008

The University of Chicago, currently Staff, Kaiser Permanente. LA

CURRICULUM VITAE – Bassiouny Hisham

David Smith: University of Illinois, Doctoral Thesis, 2007

Project: Experimental investigation of transition to turbulence in arteriovenous grafts

Cari-Magnus Wahlgren, MD, PhD, Clinical Vascular Surgery Fellow, 2005-2007

The University of Chicago, currently Associate Professor, Karolinska, Stockholm

Wael Shaalan, Visiting Research Project Professional, 2005- 2007

Projects: Carotid plaque structure and clinical outcomes, Intermittent pneumatic foot and calf compression and lower extremity blood flow

Erika Ketteler, MD, Clinical Vascular Surgery Fellow, 2004- 2006

The University of Chicago, currently Assistant Professor, University of Albuquerque

Sang Wook-Lee: University of Illinois, Doctoral Thesis, 2005

Project: Turbulence measurements in AV grafts

Jennifer Grogan M.D, Research Associate 2003- 2004, University of Chicago, Vascular Surgery Private Practice, Ohio

Project: Biomechanical forces and venous intimal hyperplasia

Wael Shaalan, Visiting Research Associate, 2001- 2003.

Project: Doctoral thesis: Carotid plaque structure and clinical outcome

Currently Instructor in Vascular Surgery, Alexandria University, Egypt

Mahesh Sardesai MS3 U of C, 2000

Project: Flow velocity profile and MAP kinase activation, 2000

Currently / faculty Anesthesia

N Arslan, M.S., University of Illinois, Doctoral Thesis, 1998

Project: Turbulence measurements inside an arterio-venous graft under steady flow conditions

Currently Assistant Professor and Director of the Graduate Institute of Sciences, Fatih University, Istanbul, Turkey

John Fortunato M.D., Training Grant Research Fellow, 1997- 1999

Project: Cardiovascular pathophysiology gene therapy and irradiation in intimal hyperplasia

Hrachya Kocharyan M.D., Ph.D., 1996-1999

Project: MAP Kinase activation in anastomotic intimal hyperplasia

Currently Principal Scientist, Biosurgical Technology Development Ethicon Worldwide, Johnson and Johnson

Ruo H. Song, M.D. Research Associate, 1994- 1995

Project: Shear stress regulation of intimal hyperplasia

Currently research scientist Pfizer, St. Louis

Suzanne Mickucki M.D, Ph.D., Resident in Surgery- University of Chicago, 1994

Project: Carotid plaque pathobiology

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Currently vascular surgeon in private practice in Chicago

Daniel C. Lee MS3- University of Chicago, 1990
Project: Heart rate and experimental atherogenesis
Resident in Surgery, Loyola University

Eric Choi MS3 - University of Chicago, 1989
Project: Anastomotic intimal hyperplasia
Currently Associate Professor, Section Vascular Surgery, Washington University, St. Louis, MO

BIBLIOGRAPHY

MANUSCRIPTS:

1. **Bassiouny HS**, Lieber BB, Giddens DP, Xu CP, Glagov S, Zarins CK. Quantitative inverse correlation of wall shear stress with experimental intimal thickening. *American College of Surgeons- Surgical Forum* 39:328-330, 1988.
2. **Bassiouny HS**, Davis H, Massawa N, Gewertz BL, Glagov S, Zarins CK. Critical carotid stenosis: Morphologic and chemical similarity between symptomatic and asymptomatic plaques. *Journal of Vascular Surgery* 9(2):202-212, 1989.
3. Massawa N, **Bassiouny HS**, Glagov S, Zarins CK. Artery wall restructuring in response to increased flow. *American College of Surgeons- Surgical Forum* 40:285-286, 1989.
4. ClarkE, Gewertz BL, **Bassiouny HS**, Zarins CK. Current results of elective aortic reconstruction for aneurysmal and occlusive disease. *Journal of Cardiovascular Surgery* 31(4) :438-447, 1990.
5. Giddens EM, Giddens DP, White SS, Zarins CK, **Bassiouny HS**, Glagov S. Exercise flow conditions eliminate stasis at vascular graft anastomoses. *Biofluid Mechanics *3: Proceedings of the Third Mid-Atlantic Conference in Biofluid Mechanics*, Schneck DJ, Lucas CL (eds), New York University Press, NY, 255-267, 1990.
6. Vito RP, Choi HS, Seifferth TA, Zarins CK, Glagov S, **Bassiouny HS**. Measurement of strain in soft biological tissue. *Developments in Theoretical and Applied Mechanics*, 536-543, 1990.
7. **Bassiouny HS**, Levine L. Penile duplex sonography in the diagnosis of venogenic impotence. *Journal of Vascular Surgery* 13(1):75-83, 1991.
8. ClarkE, Mass D, **Bassiouny HS**, Zarins CK, Gewertz BL. True aneurysmal disease in hand and upper extremity. *Annals of Vascular Surgery* 5(3):276-281, 1991.
9. Figueras C, Jones SA, Giddens DP, Zarins CK, **Bassiouny HS**, Glagov S. Relationships between flow patterns and geometry in end-to-side anastomotic grafts. *Proceedings of the ASME* 20:255-257, 1991.
10. **Bassiouny HS**, WhiteS, Glagov S, Choi E, Giddens DP, Zarins CK. Anastomotic intimal hyperplasia:

- Mechanical injury or flow induced. *Journal of Vascular Surgery* 15(4): 708-717, 1992.
11. Fujitani R, **Bassiouny HS**, Gewertz BL, Glagov S, Zarins CK. Cryopreserved saphenous vein allogenic homografts: An alternative conduit in lower extremity arterial reconstruction infected fields. *Journal of Vascular Surgery* 15(3):519-26, 1992.
 12. Glagov S, **Bassiouny HS**, Masawa N, Giddens DP, and Zarins CK. Inducation and composition of intimal thickening and atherosclerosis. *Vascular Medicine*, pp 293-296, 1993. *Proceedings of the 16th World Congress of the International Union of Angiology, Paris, September 1992*, 13-18.
 13. **Bassiouny HS**, Zarins CK, Hovanessian A, Glagov S. Heart rate and experimental carotid atherosclerosis. *American College of Surgeons- Surgical Forum* 43:373-375, 1992.
 14. Glagov S, Giddens DP, Vito R, **Bassiouny H**, Zarins CK. Tissue reactions to mechanical stresses in relation to artery stability. *Proceedings of The American Society of Mechanical Engineers* 22:135-137, 1992.
 15. White SS, Zarins CK, **Bassiouny HS**, Loth F, Glagov S, Giddens DP. Hemodynamic patterns in two models of end-to-side vascular graft anastomoses: Effect of pulsatility, flow division and Reynolds number and Hood length. *Journal Biomedical Engineering* 115:105-111, 1993.
 16. Glagov S, Zarins CK, Masawa N, Xu CP, **Bassiouny HS**, Giddens DP. Mechanical functional role of non-atherosclerotic intimal thickening. *Frontiers in Medicine and Biological Engineering* 5:37-43, 1993.
 17. **Bassiouny HS**, Krievins D, Zarins CK, Abu-Hamad G, Glagov S. Distal arteriovenous fistula inhibits experimental anastomotic intimal thickening. *American College of Surgeons- Surgical Forum* 44:345-346, 1993.
 18. **Bassiouny HS**, Zarins CK, Choi E, Kadowaki M, Glagov S. Hemodynamic stress and experimental aortoiliac atherosclerosis. *Journal of Vascular Surgery* 19(3):426-434, 1994.
 19. Glagov, S. Masawa, N., **Bassiouny, H.S.** and Zarins, C.K. Morphologic bases for establishing end-points for early plaque detection and plaque instability. *International Journal of Cardiology Imaging* 11(2):97-103, 1995.
 20. Glagov S, **Bassiouny HS**, Giddens DP, Zarins CK. Intimal thickening: Morphogenesis, functional significance and detection. *Journal of Vascular Investigation* 1(1):2-14, 1995.
 21. **Bassiouny HS**, Lee DC, Zarins CK, Glagov S. Low diurnal heart rate variability inhibits experimental carotid stenosis. *American College of Surgeons- Surgical Forum* 46, 1995.
 22. **Bassiouny HS**. Noninvasive evaluation of lower extremity arterial occlusive diagnosis and graft surveillance on lower extremity arterial occlusive disease. In: *Surgical Clinics of North America.*, ed., BL Gewertz, 75(4):593-605, 1995.

23. McKinsey JF, Desai TR, **Bassiouny HS**, Piano G, Spire JP, Zarins CK, Gewertz BL. Mechanisms of neurologic deficits and mortality with carotid endarterectomy. *Archives of Surgery* 131:526-532, 1996.
24. **Bassiouny HS**, Sakaguchi Y, Mikucki S, McKinsey JF, Piano G, Gewertz BL, Glagov S. Juxtalumenallocation of plaque necrosis and neof ormation in symptomatic carotid stenosis, *Journal of Vascular Surgery* 29:585-594, 1997.
25. Moawad J, McKinsey JF, Wyble CW, **Bassiouny HS**, Schwartz LB, Gewertz BL. Current results of surgical therapy for chronic mesenteric ischemia. *Archives of Surgery* 132:613-619, 1997.
26. Schwartz LB, Belkin M, Donaldson MC, Knox JB, Craig DM, Moawad J, McKinsey JF, Piano G, **Bassiouny HS**, Whitmore AD. Validation of new and specific intraoperative measurement of vein graft resistance. *Journal of Vascular Surgery* 25(6) :1033-1043, 1997.
27. Loth F, Jones SA, Giddens DP, **Bassiouny H**, Glagov S, Zarins CK. Measurements of velocity and wall shear stress inside a PTFE vascular graft model under steady flow conditions. *Journal of Biomechanical Engineering* 119:187-194, 1997.
28. Glagov S, **Bassiouny HS**, Sakaguchi Y, Gaudet CA, and Vito RP. Mechanical determinants of plaque modeling, remodeling and disruption. *Atherosclerosis* 131:S13-S14, 1997
29. Arslan N, Loth F, **Bassiouny HS**, Jones SA, Glagov S. Turbulence measurements inside an arterio-venous graft under steady flow conditions. *Proceedings of the ASME Summer Bioengineering Conference*, Sunriver, Oregon pp 365-366, 1997.
30. Fortunato JE, Glagov S, **Bassiouny HS**. Irradiation for the Treatment of Intimal Hyperplasia. *Annals of Vascular Surgery* 12(5):495-503, 1998.
31. **Bassiouny HS**, Song RH, Hong XF, Singh A, Glagov S. Flow regulation of 72 KD collagenase IV (MMP-2) after experimental arterial injury. *Circulation* 98(2):157-163, 1998.
32. Piano G, Schwartz LB, Foster L, **Bassiouny HS**, McKinsey JF, Rosenthal D, Gewertz BL. Assessing the outcomes, costs and benefits of emerging technology for minimally-invasive saphenous vein in-situ distal arterial bypasses. *Archives of Surgery* 133(6):613-617, 1998.
33. **Bassiouny HS**, Song RH, Kocharyan H, Kins E, Glagov S. Low flow enhances platelet activation after acute experimental arterial injury. *Journal of Vascular Surgery* 27(5):910-8, 1998.
34. French-Sherry E, **Bassiouny HS**, Marcoux M, Pooley TA, Castilla M, Cherney DJ, Lozanski L. Assessing stroke risk with carotid duplex ultrasound scanning. *Journal of Critical Illness* 13(7):448-460, 1998.
35. Fortunato JE, Glagov S, **Bassiouny HS**. Irradiation for the treatment of intimal hyperplasia. *Annals of Vascular Surgery* 12(5):495-503, 1998.
36. Fortunato JE, Glagov S, **Bassiouny HS**. Biomechanical factors as regulators of biological responses to vascular grafts. *Seminars in Vascular Surgery* 12(1):27-37, 1999.

37. Meyerson SL, Moawad J, Loth F, Skelly C, **Bassiouny HS**, McKinsey JF, Gewertz BL, Schwartz LB. Effective hemodynamic diameter: An intrinsic property of vein grafts with predictive value for patency. *Journal of Vascular Surgery* 31(5):910-917, 2000.
38. Baldwin ZK, Meyerson SL, Skelly CL, McKinsey JF, **Bassiouny HS**, MacDonald RL, Gewertz BL, Schwartz LB. Estimating the contemporary in-hospital costs of carotid endarterectomy. *Annals of Vascular Surgery* 14(3):210-5, 2000.
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PRESENTATIONS

INVITED LECTURES and GRAND ROUNDS

1. Hemodynamic factors in anastomotic intimal hyperplasia. Symposium on Redo Vascular Surgery, L'Aquila, Italy, June 24-27, 1992.
2. Hemodynamic factors in atherogenesis and intimal hyperplasia. Linz General Hospital, Linz, Austria, June 29, 1992.
3. Hemodynamic factor in anastomotic intimal thickening. German Society of Angiology, Augsburg, Germany. September 4, 1992.
4. The management and treatment of extracranial carotid occlusive disease. Scientific Congress of the North African and Middle Eastern Chapter of the International Society for Cardiovascular Surgery, Cairo, Egypt, October 20-23, 1992.

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5. Penile duplex ultrasonography in the diagnosis of vasculogenic impotence. Scientific Congress of the North African and Middle Eastern Chapter of the International Society for Cardiovascular Surgery, Cairo, Egypt, October 20-23, 1992.
6. Current Management of Carotid Occlusive Disease. Symposium on the Early Diagnosis and Management of Vascular Disorders. Al Azhar University, Cairo, Egypt, 1996.
7. Renovascular hypotension. Symposium on the Early Diagnosis and Management of Vascular Disorders. Al Azhar University, Cairo, Egypt, 1996.
8. Heart rate, shear stress, atherogenesis and plaque rupture: is there a link? Satellite Symposium, 19th Congress of the European Society of Cardiology, Stockholm, Sweden, August 24-28, 1997.
9. Surgery versus angioplasty and stenting in carotid occlusive disease. 16th Annual Meeting of the Egyptian Society of Surgeons, Cairo, Egypt, February 25-27, 1998.
10. Contemporary management of mesenteric arterial occlusive disease. 16th Annual Meeting of the Egyptian Society of Surgeons, Cairo, Egypt, February 25-27, 1998.
11. Essentials of endovascular surgery. First Arab Meeting of Angiology and Vascular Surgery, Egyptian Society of Angiology and Vascular Surgery, Hurghada, Red Sea, Egypt, June 24-27, 1998.
12. Mechanisms underlying restenosis after carotid angioplasty. First Arab Meeting of Angiology and Vascular Surgery, Egyptian Society of Angiology and Vascular Surgery, Hurghada, Red Sea, Egypt, June 24-27, 1998.
13. Molecular mechanisms underlying flow regulation of intimal Hyperplasia. Second Workshop on Hemodynamic Forces and Vascular Biology organized by INSERIM. Paris, France, January 1999.
14. Concurrent diagnostic arteriography and bypass for infrainguinal arterial occlusive disease. Second Annual Meeting of the Egyptian Society for Vascular and Endovascular Surgery, Cairo Egypt, June, 1999.
15. Grading of carotid stenoses: what is the gold standard. University of Chicago Symposium on Advances in Non- Invasive Diagnosis, Chicago, IL, September, 1999.
16. The unstable carotid plaque. Chicago Vascular Forum, Chicago, IL, August, 2000.
17. Mechanisms of bypass graft failure. Chicago Vascular Forum, Chicago, IL, August 2000.
18. Imaging the vulnerable plaque. Second Annual Symposium, The Center for Vascular Imaging Research. The John P. Robarts Research Institute. London, Canada, October, 2000.
19. Duplex ultrasound imaging prior to carotid endarterectomy. Chicago Area Vascular Association, South Suburban Hospital, May 2002.
20. "One stop shopping" for hemodialysis access. Seventh International Symposium on Vascular Access

for Hemodialysis Access. Palm Springs, Arizona, May 2002.

21. Role of the non invasive vascular lab in the care of the hemodialysis access patient. Chicago Area Vascular Association Meeting, Loyola University, Chicago, IL, October 2002.
22. Carotid intervention: Role of operative versus endovascular procedures. The Sixth Congress of the Middle East and North African Chapter of the International Society for Cardiovascular Surgery, Cairo, Egypt, October 23-28 2002.
23. "One stop shopping" for lower extremity revascularization. The Sixth Congress of the Middle East and North African Chapter of the International Society for Cardiovascular Surgery, Cairo, Egypt, October 23-28, 2002.
24. Carotid artery stenting: fact or fiction. Department of Cardiothoracic and Vascular Surgery Grand Rounds, University of Texas Medical School, Houston, December 2002.
25. Indications for carotid stenting and endarterectomy. ISCVS, Alexandria, Egypt, 2003.
26. Carotid plaque calcification and clinical events. ISCVS, Alexandria, Egypt, 2003.
27. Biomechanical forces and venous intimal hyperplasia in hemodialysis AV grafts. Illinois Institute of Technology, Chicago, IL, 2003.
28. Structural and imaging features of the unstable carotid plaque. Neurology Grand Rounds, University of Chicago, Chicago, IL, 2003.
29. Intervention for the vulnerable carotid plaque. Cardiology Grand Rounds, University of Chicago, Chicago, IL, 2004.
30. Minimally invasive interventions for carotid occlusive disease and aortic aneurysms. Chicago Medical Society, Chicago, IL, 2005.
31. Calcification and the vulnerable carotid plaque. Research Initiatives in Vascular Disease (SVS/NHLBI Annual Meeting, Washington, DC, 2005
32. Use of B-mode ultrasound to characterize carotid plaques in symptomatic and asymptomatic patients. 14th National Non-Invasive Vascular Symposium, St Louis, 2005.
33. Early duplex imaging of AV fistulae identifies unsuspected stenosis. 14th National Non-Invasive Vascular Symposium, StLouis, 2005.
34. B-mode ultrasound characterization of the vulnerable carotid plaque. Society for Vascular Ultrasound, Chicago, IL, 2005.
35. Utility of duplex ultrasound in early surveillance of AV access. Society for Vascular Ultrasound, Chicago, IL, 2005.

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36. Abdominal aortic aneurysms: Pathogenesis and treatment. Surgery Grand Rounds, The University of Chicago, Chicago, IL, 2005.
37. The role of duplex ultrasound in assessing carotid plaque instability. VEITH Symposium, New York, NY 2005.
38. Duplex ultrasound surveillance of de novo arteriovenous fistulae. VEITH Symposium, New York, NY, 2005.
39. Patient selection for carotid artery stenting. Medical Grand Rounds, Louis A. Weiss Memorial Hospital, Chicago, IL, 2006.
40. Minimally invasive intervention for aortic aneurysms: Utility of laparo-robotic techniques. Chicago Medical Society, Chicago, IL, 2006.
41. Evolution of abdominal aortic aneurysm management. Egyptian Vascular Society, El Sukhna, Egypt, 2006.
42. Indications for carotid artery stenting. Egyptian Vascular Society, El Sukhna, Egypt, 2006.
43. Intervention for carotid stenosis. A balanced approach. 5th International Vascular and Endovascular Congress, Bibliotheca Alexandrina, 2006.
44. Management of carotid artery disease: Relevance of plaque structure. Rush University Surgical Grand Rounds, 2006.
45. Hybrid procedures for complex aortic aneurysms. 5th International Vascular and Endovascular Congress, Bibliotheca Alexandria, 2006.
46. Advances in lower extremity revascularization. Middle East and North African Society for Vascular Surgery, Aswan, Egypt 2007.
47. Reappraisal of internal carotid stenosis velocity thresholds: Do current criteria overestimate carotid bifurcation disease. 15th National Symposium/ Non Invasive Diagnosis of Vascular Disease, StLouis, MO, 2007.
48. Role of grey scale median in the management of patients with asymptomatic carotid disease. 15th National Symposium/ Non Invasive Diagnosis of Vascular Disease, StLouis, MO 2007.
49. Hemodynamic therapy in peripheral arterial disease restenosis. Research Initiatives in Vascular Disease (SVS/NHLBI) Annual Meeting, Washington, DC, 2007.
50. Management of carotid artery disease: It's the plaque that counts. Department of Surgery Grand Rounds, The University of Chicago, May 9, 2007.
51. Laparorobotic-assisted aortoiliac reconstruction: Early experience and lessons learned. Department of Surgery Grand Rounds, The University of Chicago, March 26, 2008.

52. Management of Carotid Artery Disease and Beyond, Weiss Internal Medicine Grand Rounds, Chicago, October 2008
53. Techniques to enhance AV graft patency. 33rd Annual Northwestern Vascular Symposium. Chicago, IL, December 11, 2008.
54. Minimally invasive advances in treating carotid artery disease and aortic aneurysms. Ninth Annual Cardiac Rehab Educational Seminar, Louis A. Weiss Memorial Hospital, Chicago, IL, February 12, 2009.
55. What are optimum reporting standards for carotid duplex ultrasound? St. John's Mercy Medical Center 16th National Symposium on Noninvasive Diagnosis of Vascular Disease, St. Louis, MO, February 26-28, 2009.
56. Gray scale median analysis as a tool in selecting patients for carotid artery stenting. St. John's Mercy Medical Center, 16th National Symposium on Noninvasive Diagnosis of Vascular Disease, St. Louis, MO, February 26-28, 2009.
57. Hemodynamics of AV grafts: Can they be improved to prevent venous outflow stenosis? St. John's Mercy Medical Center 16th National Symposium on Noninvasive Diagnosis of Vascular Disease, St. Louis, MO, February 26-28, 2009.
58. Hemodynamics of peripheral arterial disease and restenosis. Endovascular Surgery: Bringing Basic Science into Clinical Practice. Stockholm, Sweden, March 20, 2009.
59. Management of Carotid Artery Disease "Beyond the Stenosis Threshold", Grand Rounds, Vascular Surgery, University of Nebraska, May 2009.
60. Carotid Plaque Morphology "Going beyond the Stenosis". Vascular Annual Meeting /SVU Joint Session, Denver, June 2009.
61. Criteria for Carotid Stenosis and Plaque Characteristics, Northwestern Vascular Symposium, December, 2009
62. Current Management of Carotid Occlusive Disease "Stenosis vs Plaque Structure", Neurosurgery Grand Rounds, University of Chicago, February 2010.
63. Role of Grey Scale Median Analysis in the assessment of carotid Plaque Vulnerability and selection of patients for Carotid Artery Stenting 6th Annual Meeting of the Vascular Society of Egypt 3/2010.
64. Hybrid Repair of Thoracoabdominal aneurysms, Role of Visceral De-branching and Endovascular Aneurysm Repair. University of Chicago Grand Rounds, April 2010.
65. Contemporary Evaluation of Carotid Bifurcation Occlusive Disease, 7th Annual Vascular Society of Egypt, January 2011

66. Current Management of Type IV Thoracoabdominal Aneurysms, Annual Vascular Society of Egypt, January 2011.
67. Duplex Criteria for carotid Stenosis" Where do we stand", 16th National Symposium on Noninvasive Diagnosis of Vascular Disease, St. Louis, MO, March, 2011.
68. Value of Routine Duplex Ultrasound Surveillance in De Novo Arterial Venous Fistulae, 16th National Symposium on Noninvasive Diagnosis of Vascular Disease, St. Louis, MO, March, 2011.

POSTERS AND PRESENTATIONS at INTERNATIONAL, NATIONAL, REGIONAL, AND LOCAL SOCIETIES and CONFERENCES (Co-presenter or mentor)

1. Clarke E, Gewertz BL, **Bassiouny HS**, Zarins CK. Aortic reconstruction for aneurysmal and occlusive disease. XIX World Congress, International Society for Cardiovascular Surgery, Toronto, Sept. 6-9, 1989.
2. White SS, Giddens DP, Zarins CK, **Bassiouny HS**, Glagov S. Flow behavior in a model of an end-to-side vascular graft. Northeast Bioengineering Conference Meeting, Pennsylvania, March, 1990.
3. Glagov S, **Bassiouny HS**, Giddens DP, Zarins CK. Morphology and morphogenesis of adaptive and reactive human intimal thickening. First World Congress of Biomechanics, August, 1990.
4. Giddens DP, Zarins CK, Lieber B, **Bassiouny HS**, Glagov S. Observed relationships between intimal thickening and wall shear. First World Congress of Biomechanics, August, 1990.
5. White S, Giddens DP, Zarins CK, **Bassiouny HS**, Glagov S. Steady and pulsatile flow visualization studies in vascular graft models. First World Congress of Biomechanics, August, 1990.
6. Fujitani R, **Bassiouny HS**, Gewertz BL, Zarins CK. Cryopreserved saphenous vein allogeneic homografts: An alternative conduit in lower extremity arterial reconstruction in infected fields. Midwestern Vascular Surgical Society, Toledo, OH, 1990.
7. Fujitani R, Gewertz BL, **Bassiouny HS**, Zarins CK. Use of cryopreserved human saphenous vein allografts in femorodistal arterial reconstructions. Coler Surgical Society, October, 1990.
8. Levine L, **Bassiouny HS**. Measurement of venogenic impotence by penile duplex ultrasonography. American Urologic Association, North Central Section, Chicago, IL Sept. 1989, and New Orleans, LA, May, 1990.
9. Giddens DP, Zarins CK, Giddens EM, **Bassiouny HS**. Exercise flow affects hemodynamics of end-to-side vascular graft models. Cardiovascular Science and Technology: Basic & Applied, II. Louisville, KY, 1990.
10. Glagov S, **Bassiouny HS**, Giddens DP, Zarins CK. Role of mechanical forces in the induction and composition of intimal thickening. Third International Workshop on Vascular Hemodynamics, October, 1991.

11. Figueras C, Jones SA, Giddens DP, Zarins CK, **Bassiouny HS**, Glagov S. Relationship between flow patterns and geometry in end to side anastomotic grafts. American Society of Mechanical Engineers Winter Annual Meeting, December, 1991.
12. Loth F, **Bassiouny HS**, Jones SA, Giddens DP, Glagov S, Zarins CK. Velocity and wall shear measurements in an end-to-side vascular anastomosis model. The NATO Advances Study Institute on "Frontiers in Cardiovascular Engineering", Spain 1992.
13. Loth F, Jones SA, Giddens DP, Zarins CK, **Bassiouny HS**. Measurement of velocity and wall shear in a vascular graft model and the relationship to intimal thickening in a canine model. Association for the Advancement of Medical Instrumentation Cardiovascular and Technology Conference, Bethesda, MD, 1992.
13. Glagov S, **Bassiouny H**, Giddens DP, Zarins CK. Induction and composition of intimal thickening and atherosclerosis. The Symposium on Early Arterial Wall Lesions, September 17, 1992.
14. Loth F, Jones SA, Giddens DP, Zarins CK, **Bassiouny HS**. Velocity measurements in a vascular graft model. 2nd World Congress of Biomechanics, Amsterdam, The Netherlands, 1994.
15. Giddens DP, Loth F, Jones SA, Zarins CK, **Bassiouny HS**. Fluid dynamics of end-to-side vascular grafts. 2nd World Congress of Biomechanics, Amsterdam, The Netherlands, 1994.
16. Xu C, Glagov S, Briggs, WH, Reardon C, **Bassiouny HS**, Zarins CK. Early localization of type I procollagen gene expression, collagen accumulation and cell proliferation in acute experimental hypertension. Circulation. October 1994.
17. Moawad J, McKinsey JF, Piano G, **Bassiouny HS**, Gewertz BL, Schwartz LB. Validation of a new and specific intraoperative measurement of vein graft resistance. Third Annual Charles Huggins Research Conference, Chicago, IL, May 18, 1996.
18. Moawad J, McKinsey JF, Piano G, **Bassiouny HS**, Gewertz BL, Schwartz LB. Validation of a new and specific intraoperative measurement of vein graft resistance. Fifteenth Annual Chicago Vascular Research Forum, Chicago, IL, May 29, 1996.
19. Loth F, Jones SA, Giddens DP, Zarins CK, **Bassiouny HS**. Fluid mechanics and vascular graft failure. Special Workshop in Hemodynamics and Bypass Graft Intimal Hyperplasia, ASME/AIChE/ASCE Summer Bioengineering Conference, June 1997.
20. Arslan N, Loth F, **Bassiouny HS**. Quantification of turbulence inside a human arterio-venous graft under steady flow conditions. 17th Southern Biomedical Engineering Conference, San Antonio, TX, February 1998.
21. Song RH, **Bassiouny HS**, Kocharyan HK, Glagov S. Flow regulation of transforming growth factor beta (TGFβ) after experimental arterial injury. SVS/NA- ISCVS 46th Joint Annual Meeting, San Diego, CA,

June, 1998.

22. **Bassiouny HS**, Kocharyan HK, Song RH, Glagov S. Arterial geometry and *in vivo* chronic upregulation of EGRI mRNA. SVS/NA- ISCVS 46th Joint Annual Meeting, San Diego, CA, June, 1998.
23. Kocharyan HK, **Bassiouny HS**, Schwartz LB, Song RH, Vosicky JE, Glagov S. Mean and oscillatory flow in the regulation of platelet activation after experimental arterial injury. Midwestern Vascular Surgical Society, 22nd Annual Meeting, Dearborn, MI, September, 1998.
24. Meyerson SL, Moawad J, McKinsey JF, **Bassiouny HS**, Gewertz BL, Schwartz LB. The effect of conduit diameter on infra inguinal vein graft patency (poster). Society for Vascular Surgery, 1999.
25. Baldwin ZK, Meyerson SL, McKinsey JF, **Bassiouny HS**, Macdonald RL, Gewertz BL, Schwartz LB. Estimating the contemporary in-hospital costs of carotid endarterectomy. Ninth Annual Winter Meeting of the Peripheral Vascular Surgery Society, Snowbird, UT, January 15, 1999.
26. Schwartz LB, **Bassiouny HS**, Gewertz BL, McKinsey JF, Meyerson SL, Moawad J. The effect of conduit diameter on infra inguinal vein graft patency. Sixth Annual Charles Huggins Research Conference, Chicago, IL, May 22, 1999.
27. Meyerson SL, Moawad J, McKinsey JF, **Bassiouny HS**, Gewertz BL, Schwartz LB. Significance of the effective hemodynamic diameter of infra inguinal bypass grafts. Midwest Vascular Surgical Society, Chicago, IL, September 25, 1999.
28. **Bassiouny HS**, Lee C, Skelly CL, Fortunato JE, Glagov S, Zarins CK. Heart rate reactivity as a predictor of the severity of experimental carotid stenosis. Poster- Society for Vascular Surgery 54th Annual Meeting, Toronto, Ontario Canada, June 11, 2000.
29. Desai TR, Meyerson SL, Skelly CL, McKinsey JF, Schwartz LB, **Bassiouny HS** Gewertz BL. Angioplasty does affect subsequent operative renal artery revascularization. Central Surgical Association, 2000.
30. Meyerson SL, Skelly CL, Desai TR, Katz D, McKinsey JF, **Bassiouny HS**, Gewertz BL, Schwartz LB. Long-term results justify autogenous infra inguinal bypass grafting in patients with end-stage renal failure. Midwestern Vascular Surgical Society, 24th Annual Meeting, Scottsdale AZ, November 6, 2000.
31. Desai TR, Schwartz LB, Meyerson SL, Skelly CL, **Bassiouny HS**, Katz D, McKinsey JF, Gewertz BL. Patency and limb salvage rates in infrainguinal bypass with severely compromised ("blind") outflow. Fredrick A Collier Surgical Society, Ann Arbor, MI, October 19-22, 2000.
32. Desai TR, Meyerson SL, Skelly CL, MacKenzie KS, **Bassiouny HS**, Katz D, McKinsey JF, Gewertz BL, Schwartz LB. Patency and limb salvage after infra inguinal bypass with severely compromised ("blind") outflow. Western Surgical Association, Dana Point, California, November 14, 2000.
33. Skelly CL, Meyerson SL, McKinsey JF, **Bassiouny HS**, Gewertz BL, Schwartz LB. Routine early post-operative duplex scanning is unnecessary following uncomplicated carotid endarterectomy. Peripheral Vascular Surgery Society, Snowmass, CO, January 14, 2001.

34. Skelly CL, Curi MA, Meyerson SL, Lee E, Lanahan J, Jayakar D, **Bassiouny HS**, Schwartz LB. Differential activation of MAPK signal transduction in intact human artery and vein. Karolinska Symposium on Peripheral Vascular Disease, Stockholm, Sweden, January 26-27, 2001.
35. Skelly CL, Meyerson SL, Curi MA, Desai TR, Katz D, McKinsey JF, **Bassiouny HS**, Gewertz BL, Schwartz LB. Long term results of infrageniculate bypass grafting using all autogenous composite vein. Society for Clinical Vascular Surgery, 29th annual symposium on vascular surgery, Boca Raton, FL, April, 2001.
36. Curi MA, Skelly CL, Desai TR, McKinsey JF, **Bassiouny HS**, Katz D, Gewertz BL, Schwartz LB. Conduit choice for above knee femoropopliteal bypass grafting in patients with limb-threatening ischemia. Peripheral Vascular Surgery Society, Spring Meeting, 2001.
37. Rossi PJ, Skelly CL, Meyerson SL, Curi MA, **Bassiouny HS**, Katz D, McKinsey JF, Schwartz LB, Gewertz BL, Desai TR. Determinants of graft patency and limb salvage secondary infrainguinal bypass. Midwest Vascular Surgery Society, 2001.
38. Skelly CL, Meyerson SL, Curi MA, Desai TR, Katz D, McKinsey JF, **Bassiouny HS**, Gewertz BL, Schwartz LB. Long-term results of infrageniculate bypass grafting using all-autogenous composite vein (poster). Society for Clinical Vascular Surgery, 2001.
39. Meyerson SL, Skelly CL, Curi MA, Desai TR, Katz D, **Bassiouny HS**, McKinsey JF, Gewertz BL, Schwartz LB. Autogenous infrainguinal bypass grafting in patients with end-stage renal failure: Long-term results (poster). Eighth Annual Charles B. Huggins Research Conference, 2001.
40. Woo DH, Skelly CL, Curi MA, Baron JM, Desai TR, McKinsey JF, **Bassiouny HS**, Katz D, Gewertz BL, Schwartz LB. Long-term outcome of infrainguinal bypass grafting in patients with serologically-proven hypercoagulability. Society for Vascular Surgery, 2001.
41. Curi MA, Skelly CL, Desai TR, McKinsey JF, **Bassiouny HS**, Katz D, Gewertz BL, Schwartz LB. Conduit choice for above-knee femoropopliteal grafting in patients with limb-threatening ischemia. 26th Annual Spring Meeting of the Peripheral Vascular Surgery Society, Baltimore, MD, June 9, 2001.
42. Curi MA, Skelly CL, Meyerson SL, Lee E, Lanahan J, Jayakar D, **Bassiouny HS**, Schwartz LB. Differential activation of MAPK signal transduction in intact human artery and vein. *Association for Academic Surgery*, Milwaukee, WI, November 17, 2001.
43. Skelly CL, Curi MA, Woo DH, Desai TR, Katz D, McKinsey JF, **Bassiouny HS**, Gewertz BL, Schwartz LB. Long-term results of infrageniculate bypass grafting using all-autogenous composite vein. Peripheral Vascular Surgery Society Annual Winter Meeting, Breckenridge, CO, February 1, 2002.
44. Curi MA, Skelly CL, Woo DH, Baron JM, Desai TR, Katz D, McKinsey JF, **Bassiouny HS**, Gewertz BL, Schwartz LB. Long-term outcome of infrainguinal bypass grafting in patients with serologically proven hypercoagulability. Fifty-Sixth Annual Meeting of The Society for Vascular Surgery, Boston, MA, June 11, 2002.

45. Shaalan WE, French-Sherry E, Castilla M, Lozanski L, **Bassiouny HS**. Reliability of common femoral artery hemodynamics in assessing the severity of aortoiliac inflow disease. 26th Annual meeting of the Midwestern Vascular Surgical Society, Madison, WI, September, 2002,
46. Loth F, Royston TJ, Fischer PF, **Bassiouny HS**. Transitional flow at the venous anastomosis of an arteriovenous graft. 14th U.S. National Congress of Theoretical and Applied Mechanics, Blacksburg, VA, June, 2002.
47. **Bassiouny HS**. Is Calcification a marker of human carotid plaque stability? 4th Annual Conference of Arteriosclerosis, Thrombosis, and Vascular Biology /AHA Washington, DC, May, 2003.
48. Fischer PF, Loth F, **Bassiouny HS**, Lee SE. Simulation of transition in vascular flows. International Bio-Fluid Symposium and Workshop, December 12-14, 2003, Pasadena, CA, Caltech.
49. Grogan JK, Castilla M, Lozanski L, Griffin A, Loth F, **Bassiouny HS**. Frequency of critical stenosis in primary arteriovenous fistulae prior to hemodialysis access: should duplex ultrasound surveillance be the standard of care? 58th Annual Meeting of the Society for Vascular Surgery, June 5, 2004, Anaheim, CA.
50. Lee SW, Loth F, Fischer PF, **Bassiouny HS**, Grogan J. Numerical simulation of pulsatile flow in an arterio-venous graft. 14th European Society of Biomechanics (ESB) conference in Hertogenbosch, Holland, July 4-7th, 2004.
51. Loth F, Fischer PF, Royston TJ, **Bassiouny HS**. Biomechanical mechanisms in arteriovenous graft failure. Whitaker Foundation's Annual Biomedical Engineering Research Conference in La Jolla, CA, August 12-15, 2004.
52. Grogan JK, Shaalan WE, Cheng H, Gewertz BL, Desai TR, Schwarze ML, Glagov S, Lozanski L, Griffin A, Castilla M, **Bassiouny HS**. B-mode ultrasonographic characterization of carotid atherosclerotic plaques in symptomatic and asymptomatic patients. The 28th Annual Meeting of the Midwestern Vascular Surgical Society, Omaha, NB, September 10, 2004.
53. Fischer PF, Lee SW, Loth F, Tufa H, **Bassiouny HS**. Simulation of turbulence in vascular flows. The International Conference on Parallel Computational Fluid Dynamics, Washington, D.C., May 24-27, 2005.
54. Ketteler E, Lozanski L, Grogan JK, Desai TR, Schwarze ML, Piano G, Gewertz BL, **Bassiouny HS**. Hemodynamic thresholds for Bulb and NASCET internal carotid stenosis using high resolution B-mode imaging: A reappraisal of current duplex ultrasound criteria. The 29th Annual Meeting of the Midwestern Vascular Surgical Society, Chicago, IL, 2005.
55. Wahlgren CM, Skelly CL, Shalhav A, **Bassiouny HS**. Hybrid laparoscopic debranching and endovascular repair of thoracoabdominal aortic aneurysm, International Endovascular Laparoscopic Congress, New York, NY, November 15, 2006.
56. Fischer PF, Loth F, Lee S-W, Smith DS, Tufa H, **Bassiouny HS**. Parallel simulation of high

Reynold's number in vascular flows. International Conference on Parallel Computational Fluid Dynamics, Washington, DC, May 2005.

57. Wahlgren CM, Piano G, Desai TR, Shaalan W, **Bassiouny HS**. Transperitoneal versus retroperitoneal suprarenal cross-clamping for repair of AAA with a hostile infrarenal aortic neck. Peripheral Vascular Surgery Society Winter Meeting, Snowmass, CO, February 2007.
58. Shaalan WE, Smith D, Loth F, Fischer P, Vosicky J, **Bassiouny HS**. Novel endovascular arteriovenous access inhibits experimental in-vivo turbulence-induced vein wall vibration and venous intimal hyperplasia. 14th Annual Charles Huggins Research Conference, Department of Surgery, The University of Chicago, May 5, 2007.
59. Prema J, Baron J, **Bassiouny HS**. Utility of the serotonin-release assay in patients suspicious for heparin-induced thrombocytopenia. 14th Annual Charles Huggins Research Conference, Department of Surgery, The University of Chicago, May 5, 2007.
60. Tang J, **Bassiouny HS**. Epigenetic suppression of human smooth muscle cell proliferation by histone deacetylase inhibitor Trichostatin A. 14th Annual Charles Huggins Research Conference, Department of Surgery, The University of Chicago, May 5, 2007.
61. Shaalan WE, Wahlgren CM, Piano G, Desai TR, Skelly CL, French-Sherry E, Lozanski L, **Bassiouny HS**. Reappraisal of internal carotid artery stenosis velocity thresholds utilizing high-resolution B-mode ultrasound validated with CTA: Do current practice thresholds overestimate carotid bifurcation disease. 14th Annual Charles Huggins Research Conference, Department of Surgery, The University of Chicago, May 5, 2007.
62. Shaalan WE, Smith D, Loth F, Fischer P, Vosicky J, **Bassiouny HS**. Novel endovascular arteriovenous access inhibits experimental in-vivo turbulence vein wall vibration and venous intimal hyperplasia. 31st Annual Midwestern Vascular Surgical Society. Winner of The Charles C. Guthrie Award for Basic Science Research, 2007.
63. Wahlgren CM, Zheng W, Shaalan W, Tang J, Grogan J, Cheng W, **Bassiouny HS**. Calcification and human carotid plaque vulnerability: Relationship between the degree of calcification, fibrous cap inflammatory gene expression, and symptomology. 31st Annual Midwestern Vascular Surgical Meeting, 2007.
64. Shaalan WE, Spiguel L, Prema J, Skelly CL, Desai TR, Piano G, Loth F, **Bassiouny HS**. Elevated hemodynamic shear improves patency of femoropopliteal endovascular interventions. The Charles B. Huggins Research Conference, The University of Chicago, Department of Surgery, Chicago, IL, 2008.
65. Carson JG, Spiguel LRP, Hynes KL, **Bassiouny HS**, Skelly CL. The changing training paradigm of general surgery residents in vascular surgery. 32nd Annual Meeting of the Midwestern Vascular Surgical Society, Madison, WI, September 11, 2008.
66. Prema J, Carson JG, Shaalan WE, Loretto MB, **Bassiouny HS**. Internal carotid stenosis B-mode ultrasound gray scale median (GSM) analysis: Relationship to symptoms and age. 32nd Annual

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Meeting of the Midwestern Vascular Surgical Society, Madison, WI, September 12, 2008.

67. McCormick S, Wu T, Loth F, Biswas D, **Bassiouny H**, Carotid Plaque Burden and Calcification in Symptomatic and Asymptomatic Patients: 3 Dimensional CTA analysis, 34 Annual Meeting of the Midwestern Vascular Surgical Society Meeting, Indianapolis, September 2010.
89. McCormick Sand **Bassiouny HS**, Differential Effects of Histone Deacetylase Inhibitors on Human Vascular Smooth Muscle Cells, accepted at the AHA Annual meeting for Arteriosclerosis, Vascular Thrombosis and Vascular Biology Meeting, Chicago April 2011
90. ElSorady M, McCormick S, Bernhardt V, **Bassiouny HS**, Clinical Value of CTA in 50% or greater Carotid Stenosis by Duplex Ultrasound, accepted at the Annual Vascular Meeting, Chicago, June 2011

OTHER PRESENTATIONS (as presenter):

1. Subclavian venous thrombosis. Surgical Grand Rounds, Henry Ford Hospital, Detroit, Michigan, March, 1986.
2. Portal hypertension. Surgical Grand Rounds, Henry Ford Hospital, Detroit, Michigan, March, 1986.
3. Effect of heart on coronary and peripheral atherosclerosis. SCOR External Advisory Committee Meeting, Chicago, Illinois, February, 1988.
4. Morphologic and biochemical analysis of human carotid lesions. Hugh Lofland Conference on Arterial Wall Metabolism, Chicago, Illinois, May, 1988.
5. Critical carotid stenosis: Morphologic and chemical similarity between symptomatic and asymptomatic plaques. International Society for Cardiovascular Surgery, Chicago, Illinois, June, 1988.
6. Quantitative inverse correlation of wall shear stress on experimental intimal thickening. Surgical Forum, American College of Surgeons, Chicago, Illinois, October, 1988.
7. Hemodynamic and structural determinants of human plaque stability. Biology of the Artery Wall - Satellite Meeting, 8th International Symposium on Atherosclerosis- Sienna, October, 1988.
8. Structural changes in the arterial wall in response to increased flow. Hugh Lofland Conference on Arterial Wall Metabolism, Welches, Oregon, May, 1989.
9. Noninvasive vascular diagnosis of deep venous thrombosis. Obstetrics and Gynecology Grand Rounds, University of Chicago, Chicago, IL, June 14, 1989.
10. Chronic venous insufficiency. Department of Surgery Grand Rounds, University of Chicago, Chicago, IL, August, 1989.
11. Management of deep venous thrombosis and pulmonary embolism in orthopedic patients. Orthopedic Surgery Grand Rounds, University of Chicago, Chicago, IL, August, 1989.

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12. Peripheral vascular noninvasive imaging. Dermatology Grand Rounds, University of Chicago, Chicago, IL, August, 1989.
13. Management of chronic venous insufficiency. Dermatology Grand Rounds, University of Chicago, Chicago, IL, August, 1989.
14. Anastomotic intimal hyperplasia. SCOR Seminar, University of Chicago, Chicago, IL, October, 1989.
15. Artery wall restructuring in response to increased flow. Surgical Forum, American College of Surgeons, Atlanta, GA, October, 1989.
16. Aortic reconstruction of aneurysmal and occlusive disease. XIX World Congress, International Society for Cardiovascular Surgery, Toronto, September, 1989.
17. Peripheral vascular noninvasive diagnosis. Little Company of Mary Hospital, Department of Surgery Meeting, Chicago, IL, February, 1990.
18. Symposium on the care of the patient with advanced peripheral vascular disease. University of Chicago, Chicago, IL, February, 1990.
19. Carotid stenosis. Medical Staff Conference, Methodist Hospitals, Merrillville, Indiana, May, 1990.
20. In vivo accumulation of indium-111[SCN-BZ-DTPA]-low density lipoprotein by experimental aortic lesions. Cardiovascular Science and Technology: Basic & Applied, II. Louisville, Kentucky, 1990.
21. Penile duplex sonography in the diagnosis of venogenic impotence. Society for Vascular Surgery Joint Annual Meeting, June, 1990.
22. Thromboembolism: Venous stasis. The Cook County Graduate School of Medicine, February 25, 1991.
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