

# UMass Memorial Vascular and Endovascular Surgery Fellowship



*Program Director: Louis M. Messina, MD*

*Associate Program Director: Andres Schanzer, MD*

2009

# Vascular & Endovascular Surgery

## Our Clinical Team

- Louis Messina, MD
  - Division Chief
  - Vice Chair, Surgery Dept.
- Elias Arous, MD
  - Associate CMO
  - Chair, Surgery Dept. (Memorial Campus)
- Bruce Cutler, MD
- Richard Whitten, MD
- Mohammad Eslami, MD
- Andres Schanzer, MD
- Stephens Taylor, MD
- William Robinson, MD
- Vascular Surg. Fellows
  - Robert Steppacher
  - Garietta Falls
- Nurse practitioners
  - Kati Korenda, NP, MBA
  - Kathy Sims NP
  - Lorraine Loretz NP, DPM
  - Anna Thors, NP

# UMass Memorial Medical Center

- **1968:** UMass Medical School Founded
  - First class 16 students
- **1976:** UMass Medical Center Opened
- **1982:** UMass Vascular Fellowship Accreditation
  - 12<sup>th</sup> program in the United States
  - Elias Arous first fellow
- **1998:** University and Memorial Hospital Merger
- **2002:** Fellowship Reorganization
  - Open Surgery year, Endovascular Surgery year
- **2008:** Approval for our 0 and 5 Integrated Fellowship

# UMass Memorial Medical Center

- **Clinical Sites**

- University Campus—388 Beds
- Memorial Campus—385 Beds



# UMass Memorial Medical Center

## Stimulating Educational Environment

- Numerous residency programs (general surgery, orthopedics, neurosurgery, urology, plastics, cardiology, etc)
- Level 1 Trauma Center
- Medical school
- Nursing school
- Surrounded by biotech park

# UMass Memorial Medical Center

## We Welcome Change

- **2002:** New state-of-the-art cath lab with dedicated room for the vascular division
- **2005:** Formation of the Heart and Vascular Center of Excellence
- **2006:** Brand new operating rooms at University with fixed endovascular imaging equipment
- **2008:** Code rupture, Limb Preservation Center, Venous laser ablation
- **2009:** ACCES building (7 story, 258,000 square feet) Integrated Outpatient Facility/Clinical Research/Quantitative Health Sciences

# Our Mission

To be a nationally recognized center of excellence for the treatment and prevention of vascular disease by:

- Providing compassionate, patient-focused care that meets the highest standard of quality.
- Developing and integrating innovations in research and technology.
- **Inspiring and educating future leaders in vascular care**

# Traditional Vascular Fellowship

- Established in 1982
- 25 successful graduates
- All boarded in vascular surgery
- Trained and prepared to pursue all available career paths
  - Academic
  - Private
  - Military

<b>Year</b>	<b>Fellow</b>	<b>Residency</b>	<b>Practice</b>
2010	Garietta Falls	Kaiser Permanente, Los Angeles	Pending
2009	Robert Steppacher	U. Missouri - Kansas City	Pending
2006	Geoffrey Wong	SUNY, Brooklyn	Private
2005	Robert Vorhies	U. Iowa	Academic
2004	Cheng Lo, MD	Stony Brook	Academic
2003	Mazen Itani, MD	SUNY, Brooklyn	Private
2002	Michael Singh, MD	SUNY, Buffalo	Academic
2001	Mitchell Cahn, MD	UC San Diego	Private
2000	Charles Garnette, MD	Rochester	Private
1999	Craig Powell, MD	Nat'l Naval Med Ctr	Military
1998	Brian Peyton, MD	Kessler Air Force Med Ctr	Military
1997	Mitchell Massie, MD	Mercy Hospital, Pittsburgh	Private
1996	Robert Podolsky, MD	Pennsylvania Hosp, Philadelphia	Private
1995	Homayon Hajarizadeh, MD	Oregon Health Sc. Univ, Portland	Private
1994	Charles LaRosa, MD	SUNY, Brooklyn	Academic
1993	William Breckwoldt, MD	NE Med Center, Boston	Private
1992	Stephen Keith, MD	NE Deaconess Hospital, Boston	Private
1991	Frank Sharpe, MD	UMDNJ, Newark	Private
1990	Daniel McLaughlin, MD	Northwestern	Private
1989	Cornelius Sullivan, MD	Baystate Med Ctr	Private
1988	Michael Rohrer, MD	Northwestern	Academic
1987	Giaff Ferrante, MD	Stanford, Palo Alto	Private
1986	Michael Scheidler, MD	Boston Univ	Private
1985	Paul Burke, MD	UMass	Private
1984	Stephen Leers, MD	UMass	Academic
1983	Elias Arous, MD	UMass	Academic



# First Year Fellow Responsibilities

- Inpatients
- Consults
- Open operative experience
- 1 clinical conference per month
- 1 morbidity and mortality conference per month
- Education for the residents and medical students
- Home call

# Second Year Fellow Responsibilities

- Endovascular experience
- Complex open cases
- Non-invasive vascular lab
- Research
- 1 clinical conference per month
- 1 M&M per month
- Education for the residents and medical students
- Home call

# Open and Endovascular Diversity

	Min Req	National Avg	UMass 2004 Grad	UMass 2005 Grad	UMass 2006 Grad	STEPPACHER (8 MONTHS REMAIN)
Abdominal	30	46	68	56	58	42
Cerebrovascular	25	48	62	81	75	55
Peripheral	45	63	110	70	118	61
Complex	10	19	22	16	31	46
Endovascular Diagnostic	50	50	335	554	479	378
Endovascular Therapeutic	25	46	190	184	189	287
EVAR	5	22	12	98	29	37
<b>Total Endo</b>	<b>80</b>	<b>118</b>	<b>537</b>	<b>836</b>	<b>697</b>	<b>702</b>
<b>Total Major Open</b>	<b>100</b>	<b>185</b>	<b>262</b>	<b>223</b>	<b>282</b>	<b>204</b>

# Integrated Residency

VASCULAR 36 MONTHS, CORE SURGICAL 24 MONTHS

ROTATION	PGY 1 (Year 1)	PGY 2 (Year 2)	PGY 3 (Year 3)	PGY 4 (Year 4)	PGY 5 (Year 5)
Month 1	VASCULAR & ENDOVASCULAR <i>(University)</i>	SICU	RADS-CT/MRI <i>(University)</i>	VASCULAR SURGERY <i>(Memorial)</i>	ENDOVASCULAR* <i>(University)</i>
Month 2			VACATION		
Month 3	VASCULAR & ENDOVASCULAR <i>(Memorial)</i>	VASCULAR & ENDOVASCULAR <i>(University)</i>	VASCULAR & ENDOVASCULAR <i>(University)</i>		
Month 4		SURGICAL ONCOLOGY <i>(Memorial)</i>	VACATION		
Month 5	VACATION	CARDIAC SURGERY <i>(University)</i>	EMERGENCY SURGERY SERVICE <i>(University)</i>		
Month 6	PLASTICS <i>(University)</i>	MINIMALLY INVASIVE <i>(University)</i>	VASCULAR & ENDOVASCULAR <i>(Memorial)</i>		
Month 7	SICU <i>(Memorial)</i>				
Month 8	EMERGENCY SURGERY <i>(University)</i>	VACATION			
Month 9	PEDIATRIC SURGERY	VASCULAR & ENDOVASCULAR <i>(University)</i>	TRAUMA <i>(University)</i>		
Month 10	ER	CARDIOLOGY	TRAUMA <i>(University)</i>		
Month 11	TRAUMA <i>(University)</i>	MINIMALLY INVASIVE <i>(Memorial)</i>	TRAUMA <i>(University)</i>		
Month 12	ANESTHESIA <i>(University)</i>		COLORECTAL SURGERY <i>(Memorial)</i>		
<b>TOTALS: VASCULAR 36 MONTHS. CORE SURGICAL 24 MONTHS</b>					

# Conferences

- Vascular Grand Rounds                      Weds @ 7am
- Vascular Division Conference              Weds @ 8am
- Vascular M&M Monthly                      Weds @ 8am
- Preoperative Conference                      Fri @ 7am
- Journal Club Q2 Mos                          Mon @ 6 pm
  
- Ellinwood Visiting Professor              Annually
- Vasc Surg Visiting Professor              Annually
- TCVS Fellows Course                      Quarterly in Boston

# Basic Sciences Research

- NIH R01 funded basic science laboratory
  - Study molecular and cellular mechanisms regulating collateral artery enlargement;
  - Effect of hypercholesterolemia and diabetes-induced oxidative stress on hematopoietic stem cells: unbalanced lineage differentiation and accelerated aging.
  - Hypercholesterolemia leads to abnormal T- Cell Development and increased risk of cancer.
  - Diabetes (db/db) abnormal myeloid development and impaired wound healing.

# Outcomes Research

- SOAR group
- Recent accomplishments:
  - CEA/CAS
  - Open/EVAR AAA national trends
  - Statins in patients with CLI
  - Prediction rule in patients with CLI
  - Laparoscopic ABF
  - Specialty-specific outcomes—peripheral intervention and CAS
  - EVAR for ruptured AAAs
  - VSGNNE benchmarking—observed/expected

# Research Productivity & Presence

- Last 3 years:
  - 37 publications in peer-reviewed journals
  - Our faculty/fellows have presented at each of the national conferences (SVS, SCVS) as well as our regional conference (NESVS) every year
  - NIH funding
    - RO1>10 consecutive years
- Louis Messina, MD
  - Journal of Vascular Surgery, Associate Editor
  - Rutherford Vascular Surgery Textbook, Editor

# Meetings

- 1<sup>st</sup> Year Fellow
  - Veith Symposium (New York, NY)
  - New England Society of Vascular Surgery (NESVS)
  - Society of Vascular Surgery (SVS)
- 2<sup>nd</sup> Year Fellow
  - Wesley Moore Review Course (Beverly Hills, CA)
  - New England Society of Vascular Surgery (NESVS)
  - Society of Clinical Vascular Surgery (SCVS)
  - Society of Vascular Surgery (SVS)
- In addition: **you present → We Pay!**

# Logistics

- Work Hours

“In-house call must occur no more frequently than every third night, averaged over a four-week period.”

- Salary Support

*2009- 2010 Stipends*

<i>PGY1</i> .....	<i>\$48,862.07</i>
<i>PGY2</i> .....	<i>\$50,694.55</i>
<i>PGY3</i> .....	<i>\$53,180.06</i>
<i>PGY4</i> .....	<i>\$55,365.93</i>
<i>PGY5</i> .....	<i>\$57,506.91</i>
<i>PGY6</i> .....	<i>\$59,225.86</i>
<i>PGY7</i> .....	<i>\$62,252.68</i>

## In Summary

**We are passionate about  
what we do....we want our  
fellows to share that  
passion.**

