

Curriculum Vitae

Peter J. Mackrell, M.D.

Office Address Vascular Surgery Associates, L.L.C.
2411 W. Belvedere Avenue, Suite 301
Baltimore, MD 2121
Phone: (410) 321-6435
Email: pjmackre@aol.com

Hospital Affiliations *Chief: Division of Vascular Surgery*
Co-Director: Non-invasive Vascular lab
Sinai Hospital of Baltimore
2401 West Belvedere Avenue
Baltimore, MD 21215

Greater Baltimore Medical Center
6501 North Charles Street
Baltimore, MD 21204

St. Joseph Medical Center
7620 York Road
Towson, MD 21204

Upper Chesapeake Medical Center
500 Upper Chesapeake Drive
Bel Air, MD 21014

Postdoctoral Training

Greenville Memorial Hospital, Greenville, SC Peripheral and Endovascular Vascular Surgery Fellow	2001 – 2003
New York-Presbyterian Hospital - Cornell University Medical Center, New York, NY Chief Resident in General Surgery	2000 – 2001
Surgical Research Fellow	1997 – 1999
Intern and Resident in General Surgery	1994 – 2001

Education

Georgetown University School of Medicine, Washington, D.C.
M.D., June 1994

Princeton University, Princeton, NJ
B.A. Economics, May 1990

Honors and Awards

Administrative Chief Resident in General Surgery, NY-Presbyterian Hospital-CUMC, 2000–2001
Dept. of Surgery recipient of Distinguished Housestaff Award, NY-Presbyterian Hospital-CUMC, 2000
Recipient of Japanese Surgical Society International Young Surgeons Travel Grant, 1997
Recipient of NIH Shock/Trauma Training Grant, 1997-99
cum laude graduate, Georgetown University School of Medicine, 1994
Cahill Award for excellence in surgery, Georgetown University School of Medicine, 1994
Alpha Omega Alpha, Georgetown University School of Medicine, 1993

Certifications and Licensures

American Board of Surgery certification in Vascular Surgery 5/2004
American Registry of Diagnostic Medical Sonographers RVT license #101878 (Active)
Diplomate American Board of Surgery in General Surgery 12/2002
National Board of Medical Examiners New York State
Maryland State Physician license # D0060282 (Active)
New York State Physician license # 205191 (Inactive)
South Carolina State Physician license # 23356 (Active)

Academic Appointments

Adjunct Assistant Professor, Department of Bioengineering, 2001 - 2002
Clemson University, Clemson, SC

Professional Societies

Alpha Omega Alpha
Peripheral Vascular Surgical Society (candidate member)

Committees

Medical Executive Committee
Sinai Hospital of Baltimore, 2006-present

Graduate Medical Education Committee, 2000-2001
Cornell University Medical College

Quality Assurance Committee, 2000-2001
New York-Presbyterian Hospital Department of Surgery

Respiratory Therapy and Ventilatory Assistance Committee, 2000-2001
New York-Presbyterian Hospital

Clinical Trials

Principal Investigator

Advanced Closure® Technique with 85°C treatment temperature. Upper Chesapeake Medical Center. 2004-2005

Cyclooxygenase-2 serum levels and immune function after major body surface burns. New York-Presbyterian Hospital, 1998-1999.

Carotid endarterectomy outcomes in patients ineligible for NASCET or ACAS. Greenville Memorial Hospital, 2002-2003.

Co-Investigator

Laser angioplasty for critical limb ischemia-The LACI trial. Greenville Memorial Hospital, 2002-2003.

Evaluation of the Medtronic AVE self-expanding carotid stent system with distal protection in the treatment of carotid stenosis (The Maveric trial). Greenville Memorial Hospital, 2002-2003.

Investigational plan for the Endologix bifurcated powerlink system (Abdominal Aortic/Aorto-iliac aneurysm endoluminal graft study). Greenville Memorial Hospital, 2002-2003.

Randomized trial of the ITI iliac stent for iliac artery suboptimal angioplasty. Greenville Memorial Hospital, 2002-2003.

Clinical trial of the ITI renal stent for renal artery occlusion/stenosis. Greenville Memorial Hospital, 2002-2003.

The effects of immunonutrition on immune function and wound healing in patients with major body surface burns. New York-Presbyterian Hospital, 1997-1998.

Books/Chapters

PJ Mackrell, D Cull, Christopher G. Carsten III:Hemodialysis Access: Placement and Management of Complications in Hallett, Mills, Earnshaw, Reekers (ed.) Comprehensive Vascular and Endovascular Surgery. First Edition Mosby 2004.

Manuscripts

Can the Perclose Suture-mediated Closure System Be Used Safely in Patients Undergoing Diagnostic and Therapeutic Angiography for Chronic Lower Extremity Ischemia? Peter J. Mackrell, M.D. Corey

Kalbaugh, BS, Eugene M. Langan III, Timothy M. Sullivan, Bruce H. Gray, Spence M. Taylor, David L. Cull, Bruce A. Snyder, Jerry R. Youkey, Christopher G. Carsten III. *J Vasc Surgery* 2003, 38(6):1305-8.

The LEGS score: a proposed grading system to direct treatment of chronic lower extremity ischemia.

Taylor SM, Kalbaugh CA, Gray BH, Mackrell PJ, Langan Eugene M. III, Cull DL, Snyder BA, Carsten CG III, Stanbro MD, Youkey JR. *Ann Surgery* 2003; 237(6):812-8.

Serum leptin levels in acute protein deprivation. Stapleton PP, Barden CB, McCarter MD, Mackrell PJ, Freeman TA, Naama HA, Daly JM. *JPEN J Parenter Enteral Nutr.* 2003; 27(2):132-6.

Management of Renal Artery Stenosis: Effects of a Shift From Surgical to Percutaneous Therapy on Indications and Outcomes. Peter J. Mackrell, M.D, Eugene M. Langan III, Timothy M. Sullivan, Bruce H. Gray, Spence M. Taylor, David L. Cull, Bruce A. Snyder, Jerry R. Youkey, Christopher G. Carsten III *Ann Vasc Surgery* 2003; 17(1):54-9.

Elevated Expression of Cyclooxygenase-2 Contributes to Immune Dysfunction in a Murine Model of Trauma. PJ Mackrell, JM Daly, JR Mestre, PP Stapleton, LR Howe, K Subbaramaiah, AJ Dannenberg. *Surgery* 2001; 130:826-33.

NS-398 treatment after Trauma Modifies NF-kappaB Activation and Improves Survival. Mack Strong VE, PJ Mackrell, Concannon EM, Mestre JR, Smyth GP, Schaefer PA, Stapleton PP, JM Daly. *J Surg Res.* 2001; 98:40-6.

Pancreatitis Secondary to Ascaris Lumbricoides Infestation. PJ Mackrell, K Lee, N Garcia, JM Daly. *Surgery* 2001; 129(4): 511-2.

NS-398 Treatment after Trauma Attenuates Inflammatory Response and Increases Survival by Modifying Transcriptional Pathways. VE Mack Strong, PJ Mackrell, EM Concannon, JR Mestre, GP Smyth, PA Schaefer, PP Stapleton, JM Daly. *J Surgical Research* 2001; 98(1): 40-46.

Malnutrition-Induced Apoptosis. DE Rivadeneira, SR Grobmyer, HA Naama, PJ Mackrell, JR Mestre, PP Stapleton, JM Daly, *Surgery* 2001; 129(5): 617-25.

Redundancy in the Signaling Pathways and Promoter Elements Regulating Cyclooxygenase-2 Gene Expression in Endotoxin-treated Macrophage/Monocyte Cells. JR Mestre, PJ Mackrell, EM Concannon, HA Naama, PA Schaefer, GW Shaftan, PP Stapleton, JM Daly. *J Biol Chem* 2001; 276(6): 3977-82.

Effect of TNF Gene Depletion on Liver Regeneration after Partial Hepatectomy in Mice. J Fujita, MW Marino, H Wada, AA Jungbluth, PJ Mackrell, DE Rivadeneira, PP Stapleton, JM Daly. *Surgery* 2001; 129: 48-54.

Blocking Prostaglandin E₂ after Trauma Attenuates Pro-inflammatory Cytokines and Improves Survival. VE Mack Strong, PJ Mackrell, EM Concannon, HA Naama, PA Schaefer, GW Shaftan, PP Stapleton, JM Daly. *Shock* 2000; 14:374-379.

Prostaglandins Regulate Melanoma-induced Cytokine Production in Macrophages. CA Eisengart, JR Mestre, HA Naama, PJ Mackrell, DE Rivadeneira, EM Murphy, PP Stapleton, JM Daly. *Cellular Immunology* 2000; 204: 143-149.

Cox Inhibitors Suppress Histone Acetylation and Thereby Block NFκB and AP-1 Transcription in Macrophages. JR Mestre, PJ Mackrell, DE Rivadeneira, VE Mack Strong, HA Naama, EM Concannon, GP Smyth, PP Stapleton, JM Daly. *Surgical Forum* 2000; LI:227-229.

Nuclear Transcription Factor- κ B Mediates Upregulated Cyclooxygenase-2 Expression after Traumatic Injury. PJ Mackrell, L Barry, J Mestre, O Tucker, DE Rivadeneira, P Stapleton, E Murphy, A Dannenberg, JM Daly. *Surgical Forum*: 1999; L:280-282.

Neuroendocrine Blockade Does Not Abrogate Tumor Induced Cachexia. HA Naama, MD McCarter, DE Rivadeneira, J Fujita, D Evoy, PJ Mackrell, JM Daly. *Nutrition and Cancer*; 35:202-206.

Trauma Induces Delayed Hyperresponsiveness in Splenic Macrophages. PJ Mackrell, MD McCarter, DE Rivadeneira, JM Daly. *Journal of Japan Surgical Society* 1998; 98:336.

Abstracts and Presentations

Deep Venous Thrombosis: Current Management Techniques and Future Options. Surgical Grand Rounds St. Josephs Medical Center March 2005

Chronic Venous Insufficiency: New Surgical Options for Saphenous Reflux. Surgical Grand Rounds St. Josephs Medical Center January 2004

Can the Perclose Suture-mediated Closure System Be Used Safely in Patients Undergoing Diagnostic and Therapeutic Angiography for Chronic Lower Extremity Ischemia? Peter J. Mackrell, M.D. Corey Kalbaugh, BS, Eugene M. Langan 3rd, Timothy M. Sullivan, Bruce H. Gray, Spence M. Taylor, David L. Cull, Bruce A. Snyder, Jerry R. Youkey, Christopher G. Carsten 3rd (Presented at the Southern Vascular Society, January 2003)

The Role of Carotid Artery Angioplasty and Stenting in a Vascular Surgery Practice. Peter J Mackrell, Eugene M Langan, Timothy M Sullivan, Bruce H Gray, Spence M Taylor, Bruce A Snyder, David L Cull., Christopher G Carsten, Jerry R Youkey. (Presented at the South Carolina Surgical Society, June 2002)

The Use of IVUS as an Adjunct in the Diagnosis and Treatment of Common Vascular Surgical Problems. Peter J Mackrell, Eugene M Langan. (Presented at the JD Ashmore Lectureship, June 2002)

Management of Renal Artery Stenosis: Effects of a Shift From Open Surgical Intervention to Percutaneous Therapy on Indications and Outcomes in a Vascular Surgery Practice. Peter J Mackrell, Eugene M Langan, Timothy M Sullivan, Bruce H Gray, Spence M Taylor, Bruce A Snyder, David L Cull., Christopher G Carsten, Jerry R Youkey. (Presented at the Peripheral Vascular Surgery Society, June 2002)

Renal Artery Occlusive Disease: The Effects of a Shift to Endovascular Therapy on Diagnostic and Treatment Strategies. Surgical Grand Rounds Greenville Memorial Hospital February 2002

Endovascular Repair of Aortic Bypass Graft Pseudoaneurysms: Insights into Management Decisions and Technical Factors. Peter J Mackrell, Eugene M Langan, Timothy M Sullivan, Spence M Taylor, Bruce A Snyder, David L Cull. Bruce H Gray, Christopher G Carsten, Jerry R Youkey. (Presented at the Southern Vascular Society, January 2002)

Common and Uncommon Causes of Biliary Obstruction. Surgical Grand Rounds NY-United Hospital, June 2001

Nuclear Transcription Factor- κ B Mediates Upregulated Cyclooxygenase-2 Expression after Traumatic Injury. PJ Mackrell, L Barry, J Mestre, O Tucker, DE Rivadeneira, P Stapleton, E Murphy, A Dannenberg, JM Daly. (Presented at the American College of Surgeons, October 1999)

Leptin: A Potential Glucocorticoid Counter Regulatory Hormone in Protein Calorie Malnutrition **PJ Mackrell, MD** McCarter, MD, DE Rivadeneira, MD, JM Daly, MD (Presented at the American Society of Parenteral and Enteral Nutrition, Feb 1999)

COX-2 Expression in Pancreatic Cancer ON Tucker, EK Yang, Phd, **PJ Mackrell, MD**, JM Daly, MD, A Dannenberg, MD, TJ Fahey, MD (Presented at the Society of Surgical Oncology, March 1999)

The Role of Cyclooxygenase-2 in Traumatic Injury
Surgical Grand Rounds NY Presbyterian Hospital, December 1998

Cyclooxygenase-2 Upregulation Following Trauma, **PJ Mackrell**, JR Mestre, EK Yang, M McCarter, DE Rivadeneira, O Tucker, PP Stapleton, AJ Dannenberg, MD, JM Daly. (Presented at the American College of Surgeons, October 1998)

Protein Calorie Malnutrition Attenuates NFkB Activation in Peritoneal Macrophages **Linda Barry, BA**, Juan Mestre, MD, MD McCarter, MD, Hassan Namma, FRSCI, **PJ Mackrell, MD**, DE Rivadeneira, MA, Philip Stapleton, Phd, JM Daly, MD (Presented at the American College of Surgeons, October 1998)

Protein-Calorie Malnutrition Increases Apoptosis in Peritoneal Macrophages DE Rivadeneira, MD, SR Grobmyer, MD, HA Naama, MD, K Subbaramaiah, PhD, **PJ Mackrell, MD**, JM Daly (Presented at the American College of Surgeons, October 1998)

Trauma Induced Delayed Hyperresponiveness in Splenic Macrophages, **PJ Mackrell, MD** McCarter, DE Rivadeneira, JM Daly (Presented at the Japanese Surgical Society, April 1998)