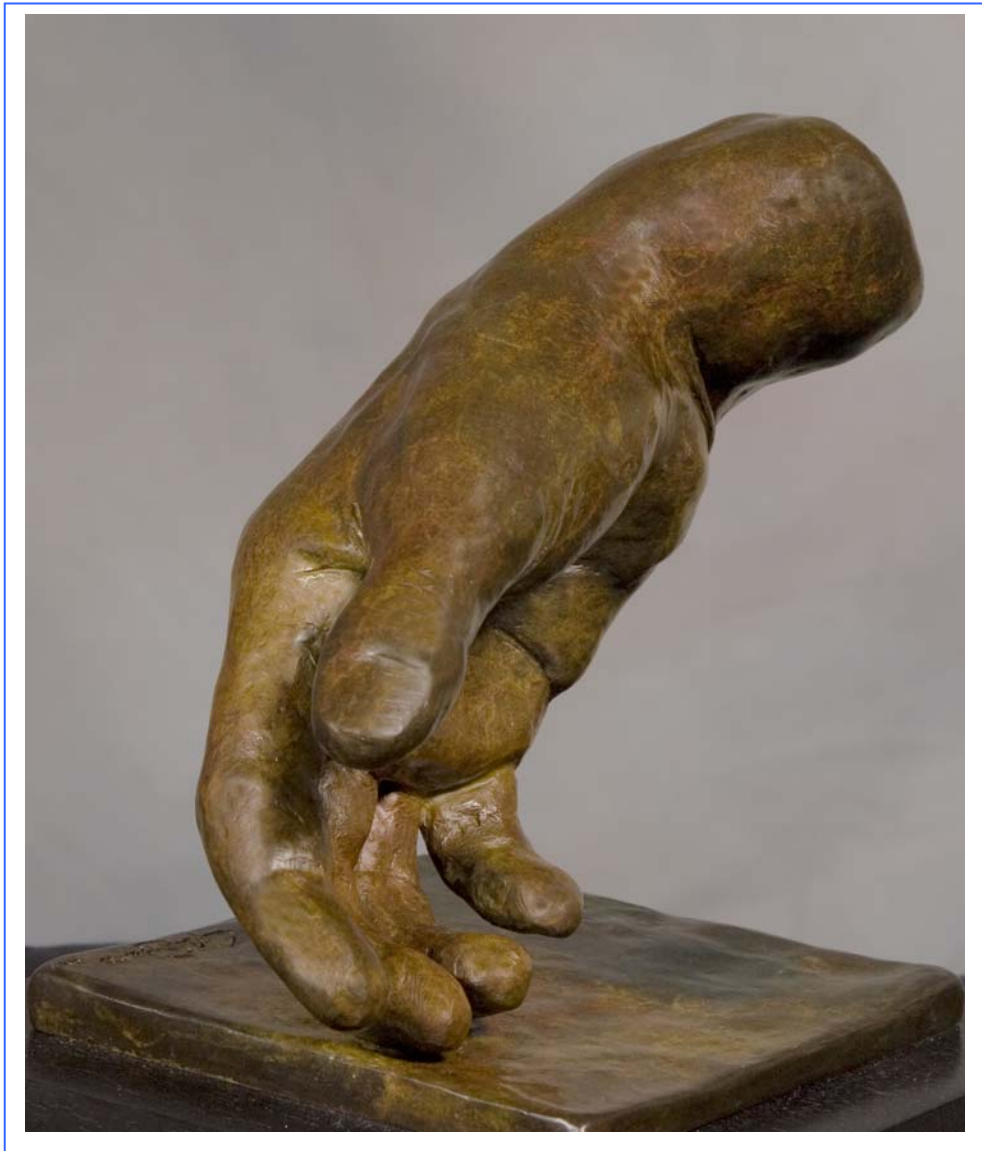


**DEPARTMENT OF SURGERY
THE UNIVERSITY OF MISSISSIPPI
MEDICAL CENTER**

ANNUAL REPORT JULY 1, 2005 - JUNE 30, 2006



Front cover: "Dependent" by Dr. J. Kim Sessums, 1997. Dr. Sessums is an obstetrician/gynecologist who practices in Brookhaven, Mississippi. This piece inspired the right hand of the central figure in the memorial by Dr. Sessums that was dedicated in 2004, to commemorate Mississippians of African descent who participated in the Vicksburg Campaign, located in the Vicksburg National Military Park. "Dependent" reminds surgeons who practice their art with their hands of their dependence on complex personal and physical support systems in order to bring the best care to patients. The University Hospital will open its new flagship hospital this fall. This facility will have new administrative management with a renewed commitment to the development of its people resources.

INTRODUCTION

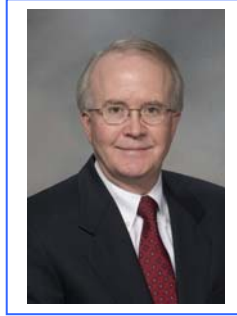
The Department of Surgery focused on its mission-based goals of service development, academic program expansion, research, and leadership in the medical center. Five new faculty members joined the department, including three in the Division of General Surgery and one each in the Divisions of Urology and Plastic Surgery. The Department sponsored 10 visiting professors, including three named lectureships.

The student educational program saw the graduation of 10 students in the Medical Scholars Program, and the Department funded summer research scholarships for several students.

The residency program in cardiothoracic surgery was fully accredited, and a plan has been undertaken to create a Division of Transplantation Surgery.

William W. Turner, Jr. M.D.
James D. Hardy Professor and Chair
Department of Surgery

DIVISION OF GENERAL SURGERY



Full and Part-time Faculty

William W. Turner, Jr. M.D., Chief
Farshid Araghizadeh M.D.
Henry Barber M.D., D.Phil.
Karen Borman M.D.
Keith Brown M.S.N.
David Carroll M.D.
Charles Clericuzio M.D.
Juan Duchesne M.D.
David J. Dzielak Ph.D.
Arlene Foley M.S.N.
Heather Hillman M.S.N.
James R. Hupp D.M.D., M.D.
Cheryl McCoy M.S.N.
Larry McDaniel Ph.D.
Olga McDaniel Ph.D.
Ray Melton, Jr. M.S.N.
Christopher Powe M.S.N.
Fred B. Rushton M.D.
J. R. Salameh M.D.
Robert Schmiege M.D.
Alan Simeone M.D.
David Snyder M.D.
Elizabeth Starnes M.S.N.
Christine Toevs M.D.
Gregory A. Timberlake M.D.
Kenneth D. Vick M.D.



Goals for the Division of General Surgery during the academic year included 1) recruitment of trauma/critical care faculty members, 2) maturity of the resident "Education Day," and 3) program development in colorectal surgery. Objectives were met.

Faculty Additions and Promotions

Three new faculty members joined the Division. Dr. Juan Duchesne completed a trauma/critical care fellowship and general surgery residency at the Louisiana State University Medical Center in New Orleans. Dr. Alan Simeone finished a trauma/critical care fellowship at Yale University School of Medicine, a cardiothoracic surgery residency at the Medical University of South Carolina, and a general surgery residency at the Wake Forest University/Baptist Medical Center in Winston-Salem, North Carolina. Both joined the Section of Trauma/Critical Care. Dr. Kenneth D. Vick finished his residency in general surgery at the University of Mississippi Medical Center.

Dr. Olga McDaniel was promoted to Professor.

Graduating Residents

The Division finished five chief residents. Dr. Kamelia Dimitrova began a cardiothoracic surgery residency at the New York University Medical Center. Dr. Joel Epperson began a plastic surgery residency at the University of Mississippi Medical Center. Dr. Paul McCluskey began a plastic surgery residency at the University of Texas Southwestern Medical Center in Dallas. Dr. LaDawn Talbott began a plastic surgery residency at the Medical University of South Carolina in Charleston. Dr. Sani Yamout began a pediatric surgery research fellowship at the State University of New York in Buffalo.

Case averages for finishing chief residents

Skin/Soft Tissue	32
Head/Neck	19
Breast	80
Alimentary Tract	
Esophagus	11
Stomach	26
Small Intestine	34
Large Intestine	93
Anorectal	32
Abdomen	
General	28
Liver	6
Biliary	129
Pancreas	6
Spleen	4
Hernia	116
Vascular	
Aneurysm	7
Cerebrovascular	26
Peripheral Obstructive	28
Upper Extremity	1

Extra-anatomic	5
Venous	3
Endovascular Therapeutic	6
Miscellaneous	11
Access	39
Amputations	49
Endocrine	24
Hand	1
Thoracic	24
Pediatric Surgery	64
Genitourinary	6
Gynecology	1
Plastic	15
Organ Transplant	5
Trauma	43
Endoscopy	49
Miscellaneous	122
Total	978
Laparoscopic/Thoracoscopic	173

GRANTS

A Clinical Trial Comparing Short, Intensive AC+/- Tamoxifen in Node Negative Breast Cancer with ER Negative Tumors. Funded by National Surgical Adjuvant Breast and Bowel Project (NSABP B-23:A). Henry Barber, M.D., D.Phil., PI.

Clinical Trial to Assess the Relative Efficacy of 5-FU + Leucovorin with or without Interferon Alfa-2a in Patients with Dukes B and C Carcinoma of the Colon. Funded by National Surgical Adjuvant Breast and Bowel Project (MSABP C-05-A). Henry Barber, M.D., D.Phil., PI.

Cold Storage of Kidneys. RO-1 Grant. Collaborator on Research Proposal on Cold Ischemic Injury of Kidneys with Dr. Abdulla Salahudeen, Henry Barber, M.D., D.Phil., Co-investigator.

Dose Intensification and Increased Cumulative Dose of Postoperative Adriamycin and Cytosin with G-CSF in Patients with Primary Breast Cancer and Positive Nodes. Funded by the National Surgical Adjuvant Breast and Bowel Project (NSABP B-25). Henry Barber, M.D., D.Phil., PI.

Preoperative Multimodality Therapy (5-FU-LV and RTX) in Patients with Operable Carcinoma of the Rectum. Funded by the National Surgical Adjuvant Breast and Bowel Project (NSABP R-03). Henry Barber, M.D., D.Phil., PI.

Genetic Immunization Against Extracellular Bacteria. Funded by NIAID, NIH (\$800,097 total). 1 RO1 AI43653 4/1/00-3/31/06. Larry McDaniel, Ph.D., PI.

Markers for Evaluating Post Trauma/injury Induced Clinical Complications. Funded by Center for Excellence in Minority Health (NIH-Export). 11/1/05-10/31/06. Total: \$25,000/year. D.O. McDaniel, Ph.D., PI.

Mechanisms of Ataxin-1 Mediated Purkinje Cell Death. Funded by National Institutes of Health. 04/01/03-03/31/07, Total; \$74,990/year. D.O. McDaniel, Ph.D., Co-investigator.

Molecular Markers Influencing Kidney Transplant Outcome, Henry Barber, M.D., D.Phil., Co-investigator.

Role of Biomarkers in the Development of Breast Cancer. Henry Barber, M.D., D.Phil., Co-investigator.

PUBLICATIONS

See below

PRESENTATIONS

Berry C, Lewis A, Bigler S, Smith P, Barber H, Burns T, Cameron J, McDaniel DO. Role of Cytochrome P-450 3A4 (CYP 3A4) Genes in the Development of Breast Cancer. MAS 70th Annual Meeting, Vicksburg, MS, February 2006.

Borman KR. Does Academic Intervention Impact ABS Qualifying Exam Results? Association of Program Directors in Surgery, Tucson, AZ, March 2006.

Borman KR. Endocrine Case Conference. McEwen Visiting Professor, Department of Surgery, University of Kansas School of Medicine, Wichita, Wichita, KS, September 2005.

Borman KR. Surgical Disease of the Adrenal Glands: Evolving Concepts. McEwen Visiting Professor, Department of Surgery, University of Kansas School of Medicine, Wichita, Wichita, KS, September 2005.

Borman KR. Evolving Concepts in the Surgical Management of Adrenal Diseases in the Era of Laparoscopic Adrenalectomy. Visiting Professor, Department of Surgery, Virginia Mason Medical Center, Seattle, WA, October 2005.

Borman KR. Robotic Surgery. Facilitator, CPT Advisory Committee Workshop, Seattle, WA, October 2005.

Borman KR. Mock Executive Committee. CPT Advisory Committee Panel, Seattle, WA, October 2005.

Borman KR. How I Do It, Problems that Drive Me Nuts, Some Ideas. Panel Moderator, Association of Program Directors in Surgery, Tucson, AZ, March 2006.

Boyd DB, Salameh JR. Simulation Training: The Surgical Resident's Perspective. 2006 Southeastern Surgical Congress Annual Scientific Meeting, Lake Buena Vista, FL, February 2006.

Dimitrova K, Kilgore T, McMullan M, O'Mara C. Staged vs. Combined Surgical Approach for Simultaneous Carotid and Coronary Arteries Disease. James D. Hardy Surgical Forum, 2006.

Duchesne JC, Kyle A, Islam S, Olivier J, Schmiegl R, Toevs C, Simeone A, Simmons J, Timberlake G. Impact of Telemedicine Upon Rural Trauma Care. Eastern Association for the Surgery of Trauma, 2006.

Duchesne JC, Olivier J, Hughes J, McGuire R, Timberlake G, Islam S, Macias D, Schmiegl R, Simeone A, Simmons J, Toevs C. Open Wounds with Open Book Pelvic Fractures – A Significant Co-morbid Association. Eastern Association for the Surgery of Trauma, 2006.

Duchesne JC, Varkarakis G, Olivier J, Islam S, Schmiegl R, Simeone A, Simmons J, Toevs C, Timberlake G. Non-operative management of Penetrating Abdominal Trauma and Solid Organ Injury: Incidence and Success. Eastern Association for the Surgery of Trauma, 2006.

Duchesne JC, Olivier J, Islam S, Schmiegl R, Simeone A, Simmons J, Toevs C, Timberlake G. Tension Abdominal Wall Closure After Damage Control Laparotomy: What is the Rush? Eastern Association for the Surgery of Trauma and The World Society on Abdominal Compartment Syndrome, 2006.

Duchesne JC, Schmiegl R, Simeone A, Islam S, Olivier J, Toevs C, Timberlake G. Does the Combination of Bowel and Pancreatic Injury Increase the Risk of Intra-abdominal Abscess Formation? Eastern Association for the Surgery of Trauma, 2006.

Duchesne JC, Olivier J, Islam S, Careaga D, Derebort J, Schmiegl R, Simeone A, Simmons J, Toevs C, Timberlake G. Impact of Obesity in Damage Control Laparotomy Patients. Western Trauma Association, 2006.

Duchesne JC, Haraway N, Simmons J, Olivier J, Timberlake G, Schmiegl R, Simeone A, Toevs C. Non-operative Management of Blunt Renal Trauma: Predictors of Failure. Western Trauma Association, 2006.

Duchesne JC, Timberlake G, Schmiegl R, Simeone A, Olivier J, Hunt JP, Weintraub S, Marr A, Islam S, Toevs C. Outcomes After Packed Red Blood Cells Transfusions in Trauma Patients is Dose-Dependent: Study of 3077 Trauma Patients. Southeastern Surgical Society, 2006.

Duchesne JC, Thacker P, Timberlake G, Simmons J, Schmieg R, Simeone A, Islam S, Olivier J, Toevs C. Current Evidence Base Medicine Guidelines for Factor VII Use: The Good, the Bad and the Ugly. Southeastern Surgical Society, 2006.

Duchesne JC, Olivier J, Islam S, Schmieg R, Simeone A, Simmons J, Toevs C, Timberlake G, Turner W Jr. Disappearance of Traumatic Splenectomy: Impact on Surgical Residency Training. Southwestern Surgical Society, 2006.

Haraway N, Simmons J, Burgdorf M, Schmieg, Simeone A, Toevs C, Timberlake G, Duchesne JC. Role for Secondary Thoracic Ultrasound in Patients with Cardiac Box Injury: Case Report and Review of Literature. Southeastern Surgical Society, 2006.

Ghosheh B, Schmieg R, Simeone A, Toevs C, Timberlake G, Duchesne JC. Cecal Diverticulitis: Therapeutic Options. Southeastern Surgical Society, 2006.

Duchesne JC, Timberlake G, Schmieg R, Simeone A, Islam S, Olivier J, Toevs C. Historical Perspective of Splenic Artery Embolization on Patient Outcomes. American Association for the Surgery of Trauma, 2006.

Duchesne JC, Timberlake G, Schmieg R, Simeone A, Islam S, Olivier J, Toevs C. Selective Non-operative Management of Low Grade Blunt Pancreatic Injury: Are We There Yet? American Association for the Surgery of Trauma, 2006.

Duchesne JC, Timberlake G, Simmons J, Parks J, Schmieg R, Simeone A, Islam S, Toevs C. Weight of Obesity on Lower Extremity Vascular Injuries. American Association for the Surgery of Trauma, 2006.

Boyd B, Schmieg R, Simeone A, Toevs C, Timberlake G, Duchesne JC. Adrenal Insufficiency in the Multiple Injured: Hemodynamic Profile and Management. Eastern Association for the Surgery of Trauma, 2006.

Duchesne JC. ATLS on the Road. ATLS Louisiana State Annual Meeting, June 2006.

Epperson J, Schmieg RE Jr. Necrotizing Soft Tissue Infections. James D. Hardy Surgical Forum, 2006.

Grothe KB, Low AK, O'Jile JR, Salameh JR, Parkes E, Bouldin M. Gender Differences in Psychological Variables in Patients Presenting for Weight Loss Surgery. 14th Annual Congress on Women's Health, Hilton Head Island, SC, June 2006.

Hooshdaran MZ, Liu TT, Barke, KS, Hilliard GM, English, BK, Thornton J, Swiatlo E, McDaniel, LS, and Roger D. Transcriptional Modulation of Gene Expression in Streptococcus Pneumoniae in Response to Subinhibitory Concentrations of Penicillin and Clarithromycin. 45th ICAAC Washington, DC, December 2005.

McCluskey P, Muskett A, Barber H, Lineaweaver W. Component Separation Repair in the Management of the Difficult Abdominal Hernia. James D. Hardy Surgical Forum, 2006.

McDaniel DO, Zhou X, Tee LY, McDaniel LS, Calcote L, and Barber WH. Impact of Peripheral Blood IL-18 Gene Early Expression on Kidney Allograft Long-term Outcome. American Society for Histocompatibility and Immunogenetics, Washington, DC, October 2005.

McDaniel DO, Tee LY, Vick K, Toevs C, Vick L, Calcote L, Timberlake G. Expression Profile of Cytokines and Toll-like Receptor Signaling Pathways in Trauma. ASHI 31st Annual Meeting. Washington, DC, October 2005.

McDaniel DO, Bigler S, Barber WH, Lewis A. Role of Biomarkers in the Development of Breast Cancer. ASHG 55th Annual Meeting, Salt Lake City, UT, October 2005.

McDaniel DO, Subramony SH, McDaniel, LS. Gene Profile Analysis of Typical and Atypical Disease States in Friedreich's Ataxia. ASHG 55th Annual Meeting, Salt Lake City, UT, October 2005.

McDaniel DO. Lysosomal Storage Diseases. 2005 American Society of Human Genetics, Salt Lake City, UT, October 2005.

McDaniel DO. International HapMap Project. 2005 American Society of Human Genetics, Salt Lake City, UT, October 2005.

Mills MF, Marquart ME, and McDaniel LS. Antibodies to PcsB of Streptococcus Pneumoniae Fail to Protect against Lethal Pneumococcal Challenge. American Society Microbiology General Meeting, Orlando, FL, May 2006.

Murphree J and Toevs C. Retrospective Review of Blunt and Penetrating Pancreatic Injuries at a Level 1 Trauma Center. The Dean's 2005 Summer Research Fellowship Program, University of Mississippi Medical Center, Jackson, MS, July 2005.

Mysore M, Toevs C, Fraser G and Thorberg P. RICU: A Web-Based Resident Education Curriculum and Testing Module in Critical Care Medicine. Society of Critical Care Medicine, San Francisco, CA, January 2006.

Newsome B, Toevs C, McDaniel D.O. Post Trauma Induced Systemic Inflammatory Response Genes. 2006 SHARP Annual Meeting, Jackson, MS, May 2006.

Onwubiko C, Quin LR, Carmicle S, and McDaniel LS. Analysis of Human Complement Factor H Binding to Streptococcus Pneumoniae Clinical Isolates. Mississippi Academy of Sciences, Vicksburg, MS, February 2006.

Onwubiko C, Thornton J, and McDaniel LS. Effects of Pneumolysin on Intracellular Adhesion Molecule-1 Expression in Endothelial Cells. American Society Microbiology General Meeting, Orlando, FL, May 2006.

Parks J and Toevs C. Retrospective Review of Peripheral Vascular Injuries at a Level 1 Trauma Center. The Dean's 2005 Summer Research Fellowship Program, University of Mississippi Medical Center, Jackson, MS, July 2005.

Piazza L, Moore CK, Thomas T, Harrison S, Barker A, McDaniel DO. Expression Levels of Allograft Inflammatory Factor-1 (AIF-1) and Interleukin-18 (IL-18) Might Predict Allograft Rejection after Cardiac Transplantation. MAS 70th Annual Meeting. Vicksburg, MS, February 2006.

Powe C. Fluid Resuscitation in the MultiSystem Trauma Patient. 2006 American Trauma Society Symposium, Grand Casino, Tunica, MS, February 2006.

Powe C. Blood Products and Fluid Management in the MultiSystem Trauma Patient, 2006 American Trauma Society Symposium, Grand Casino, Tunica, MS, February 2006.

Quin LR, Moore QC, Carmicle S, and McDaniel LS. The Combined Role of Pneumolysin, PspA, and PspC in Complement Deposition and Virulence of Streptococcus Pneumoniae. American Society Microbiology General Meeting, Orlando, FL, May 2006.

Thornton J, Homayoun R, Hooshdaran MZ, English BK, Swiatlo E, McDaniel LS, and Rogers PD. Modulation of the Streptococcus Pneumoniae-induced Gene Expression Profile of THP-1 Human Monocytic Cells by Sub-inhibitory Concentrations of Penicillin and Clarithromycin. 45th ICAAC Washington, DC, December 2005.

Salameh JR. General Surgery Faculty Perception of Simulation Training. 2006 SAGES Scientific Session, Dallas, TX, April 2006.

Salameh JR. Endoluminal Therapy for GI Disease. Third Annual Lone Star Update on Minimally Invasive Surgery, Baylor College of Medicine, Houston, TX, October 2005.

Salameh JR. Restrictive Bariatric Procedures: Lap Band. Third Annual Lone Star Update on Minimally Invasive Surgery, Baylor College of Medicine, Houston, TX, October 2005.

Salameh JR. Laparoscopic Paraesophageal Hiatal Hernia Repair. Guest Faculty, Third Annual Lone Star Update on Minimally Invasive Surgery, Baylor College of Medicine, Houston, TX, September 2005.

Salameh JR. Laparoscopic Sigmoid Colectomy: Technique. Third Annual Lone Star Update on Minimally Invasive Surgery, Baylor College of Medicine, Houston, TX, September 2005.

Schmieg RE Jr, Minocha A, Abidi N, Weeks S, Abell TL. In Post-Surgical Gastroparesis, Gastrointestinal Electrical Stimulation Improves Symptoms Independently while Gastric Emptying Response is Dependent on Baseline Emptying. International Electrogastrography Society, Los Angeles, CA, May 2006.

Schmieg RE Jr, Minocha A, Abidi N, Weeks S, Abell TL. In Post-Surgical Gastroparesis, Gastrointestinal Electrical Stimulation Improves Symptoms Independently while Gastric Emptying Response is Dependent on Baseline Emptying. 2006 Joint Neuro-gastroenterology and Motility Meeting, Boston, MA, September 2006.

Schmieg RE Jr. Gastric Pacemaker Surgery. Mississippi State Assembly Association of Surgical Technologists, Jackson MS, July 2006.

Shires C, Quin LR, and McDaniel LS. Analysis of Streptococcus Pneumoniae from Middle Ear Effusions of Children in Mississippi Using PspA Family Typing and Box PCR Based DNA Finger Printing. Mississippi Academy of Sciences, Vicksburg, MS, February 2006.

Snyder DC, Salameh JR, Clericuzio CP. Retrospective Review of Forefoot Amputations at a VA Hospital. Association of Virginia Surgeons Meeting, Cincinnati, OH, May 2006.

Talbott L, Vig P, Salameh JR, McDaniel DO. Role of Biomarkers in Incisional Hernias. James D. Hardy Surgical Forum, 2006.

Thornton J, and McDaniel LS. Pneumolysin-dependent Up-regulation of ICAM-1 in THP-1 Monocytes Exposed to Streptococcus Pneumoniae. 45th ICAAC Washington, DC, December 2005.

Toevs C, Hamilton J, Lee Y, Brock M, Timberlake G and McDaniel O. Molecular Analysis of Inflammatory Markers in Trauma Patients at Risk of Post-Injury Complications. American Association for the Surgery of Trauma, September 2005.

Turner W. Annual State of the Department of Surgery Address. James D. Hardy Society Spring Meeting, Sandestin, FL, 2006.

Turner W. Orphan Surgery. Visiting Lecturer, Texas Surgical Society, Galveston, Texas, April 6-8, 2006.

Turner W. James D. Hardy: Pioneer in Transplant Surgery. Visiting Lecturer, Texas Surgical Society, Galveston, Texas, April 2006.

Varkarakis GM, Salameh JR. Laparoscopic TEP Inguinal Hernia Repair in the Elderly: An Increased Risk? PGYIII Surgical Forum, University of Mississippi Medical Center, Jackson, MS, April 2006.

Vick K. Gene Profile Analysis in Trauma Patients at Risk for Sepsis. James D. Hardy Society Meeting, Sandestin, FL, May 2006.

Yamout SZ, Dozier J, Gosche JR, Boulanger S, Islam S. Ovarian Masses in Children – What is the True Rate of Malignancy? James D. Hardy Surgical Forum, 2006.

DIVISION OF CARDIOTHORACIC SURGERY



Full and Part-time Faculty

Lawrence L. Creswell M.D., Chief
Giorgio M. Aru M.D.
Lora Jenkins-Lonidier M.S.N.
Martin McMullan M.D.
Inder D. Mehta M.D.
Alan Simeone M.D.
Jesse Wofford M.D.
Michael Winniford M.D.

The Division of Cardiothoracic Surgery at the University of Mississippi Medical Center (UMC) maintains three missions: 1) clinical care for adult and pediatric patients with cardiothoracic diseases; 2) residency education in cardiothoracic surgery; and 3) research in cardiothoracic surgery and related fields. During the academic year, significant progress was made in each of these areas.

The Division maintains clinical programs in adult cardiothoracic surgery at the University Hospital and Clinics (UHC) and the G. V. (Sonny) Montgomery Veterans Affairs Medical Center (VAMC), with outpatient services at the University Medical Pavilion and the Jackson Medical Mall. At the UHC, the Division offers a broad range of adult cardiothoracic surgery services, including coronary artery bypass grafting (CABG, both on-pump and off-pump), heart valve repair and replacement, surgery for heart failure, heart transplantation, surgery for arrhythmias, and aortic surgery. In keeping with trends nationally, there was a continued decline during 2005-2006 in the numbers of adult cardiac surgical procedures, particularly coronary artery bypass. The Division has committed to being the preferred provider for cardiac surgery services in support of the new cardiac catheterization laboratory that will open at the VAMC during 2006-2007. There are also ongoing discussions regarding the development of a cardiac surgery program at the VAMC to support the anticipated growth in the cardiology practice there.

The Division provides general thoracic surgical services at both the UHC and VAMC. At both locations, we have experienced modest growth in our clinical programs during 2005-2006. Alan Simeone, M.D., joined the Division as Assistant Professor of Surgery and provides clinical support in the Section of Trauma and Critical Care as well as the

Division of Cardiothoracic Surgery. In this Division, he is developing a focus on general thoracic surgery with an emphasis on trauma-related conditions, acute interventions for the airway, and advanced laparoscopic/thoracoscopic skills. At the VAMC, the Division has taken a leadership role in the Cancer Program, with Dr. Creswell serving as the Chairman of the Cancer Committee and Chairman of the Tumor Board. There is now a well-integrated and increasingly busy program for patients with thoracic malignancy who receive their care at the VAMC.

The program in pediatric cardiothoracic surgery has enjoyed much success during 2005-2006. Following the "re-launch" of this program in early 2005, there has been steady growth in the program, in terms of both the number and complexity of the surgical procedures performed. Projections indicate that the case volume during 2006 will exceed the case volume in any single year in the history of the institution. There are ongoing discussions about securing additional resources for continued program growth and the development of an appropriate administrative structure for the program.

The Division maintains a two-year residency program in cardiothoracic surgery, designed to accommodate one resident in each year of the program. The program underwent Residency Review Committee (RRC) external review in the Spring of 2006, and it was awarded continued accreditation for a three-year period. Karen Thompson, D.O., completed training in 2006 and entered a fellowship program in minimally invasive cardiac surgery at Emory University. William Bolton, M.D., continues in the program as a second year resident and plans to pursue fellowship training in general thoracic surgery at the M.D. Anderson Cancer Center. Nick Karis, M.D., will join the residency program as a second year resident.

The current focus for research in the Division relates to clinical studies. Tricia Martin, R.N., continues in the role of Database/Research Nurse and has provided ongoing support for the Society of Thoracic Surgeons (STS) National Database in Cardiac Surgery as well as for clinical studies in the Division. The Division welcomed Kyle Thompson for a three-month research fellowship during the Medical School summer recess. Topics for clinical projects during the past academic year included: obesity and heart valve surgery and mid-term results for off-pump coronary artery bypass grafting. At the 2006 Hardy Surgical Forum, Dr. Karen Thompson won the Hardy Prize for the outstanding abstract for her work on obesity and heart valve surgery.

GRANTS

Unrestricted educational grant by Bayer Pharmaceuticals, October 2005, to support a visiting lecture by George J. Despotis, M.D. Budget amount: \$3,000.

PUBLICATIONS

See below

PRESENTATIONS

Aru G. Update on Cardiac Transplants 2006. University of Cagliari Medical School, Cagliari, Italy, February 2006.

Aru G. Update on Heart Transplants 2006 at UMC. The James D. Hardy Society Meeting, Sandestin, Florida, May 2006.

Creswell LL. The 21st Century Heart. University of Mississippi Medical Center Health Symposium, March 2006.

Kirk AH, Aru GM, Romero F. Delayed Sleeve Resection of Distal Left Main Bronchus Crushing Injury in a Child after Short Course of Steroidal Treatment: Case Report. ACCP Meeting, Montreal, Canada, November 2005.

McDaniel DO, Yamout S, Aru G, Ashi H. Allograft Inflammatory Factor-1 in Association with IL-18 Expression Detected by Microarray Correlates with Rejection and Development of Cardiac Allograft Vasculopathy. 30th Annual Meeting of ASHI, San Antonio, TX, October 2005.

Thompson KS, Martin PF, McAdory RS, Manley JD, Aru GM, Creswell LL. Does Obesity Have an Impact on Short-term Outcomes in Heart Valve Surgery? James D. Hardy Surgical Forum, June 2006.

DIVISION OF PLASTIC SURGERY



Full and Part-time Faculty

William Lineaweaver M.D., Chief
Michael Angel M.D.
Wanda Dorsett-Martin D.V.M.
Marilyn Graves M.D. (Pediatrics)
Gayle Harrell M.S.N.
Drew Hildebrandt Ph.D.
John B. McCraw M.D.
Harry Precheur D.M.D. (Oral Surgery)
Barbara Rogers Ph.D.
John Schimmel M.D.
Somprasong Songcharoen M.D.
Marcus Walkinshaw M.D.
Annette Wysocki Ph.D.
Feng Zhang, M.D., Ph.D.



The Division had a productive year with record case numbers and sustained academic output by faculty, fellows, residents and students. The Division continued work to develop a hand fellowship, and the Division developed a proposal to its Residency Review Committee for an integrated plastic surgery residency. Increasing productivity of the Microsurgery Center and Craniofacial Center has led us to seek expanded facilities and staff. The faculty participated in educational and research projects worldwide. Dr. McCraw organized the first National Bariatric Plastic Surgery Workshop in Amelia Island, Florida, and he served as visiting professor at the University of South Carolina. Dr. Feng Zhang developed collaborative research and grant funding with three centers in the People's Republic of China, and he was an invited speaker and visiting professor at three national meetings at DaLian University Hospital in the PRC. Dr. Angel presented the UMC myelomeningocele series at the American Association of Plastic Surgeons. Dr. Lineaweaver was an invited speaker at the European Federation of Societies for Microsurgery.

Faculty Additions and Promotions

Marcus Walkinshaw, M.D. joined the Division as an Associate Professor. He moved to UMC from Seattle, Washington, following previous experience at the University of Washington and in private practice.

Residents and Fellows

This year's graduating residents were Drs. Michael Nagy and Adrian Smith. Their case numbers are listed below:

<u>Category</u>	<u>Dr. Nagy</u>	<u>Dr. Smith</u>	<u>RRC Requirement</u>
Breast	227	250	40
Burns	60	82	12
Congenital head and neck	69	59	24
Cosmetic	203	150	45
Head and neck trauma	96	57	30
Head and neck neoplasm	35	23	15
Hand	196	220	115
Lower extremity	25	60	20
Skin neoplasm	163	129	30
Trunk	113	44	25
Total	1117	1074	356

Dr. Nagy has entered community practice in New Jersey, while Dr. Smith joined a community practice group in Jackson, Mississippi.

Dr. Eric Hu and Dr. Jeff Jones moved to chief resident positions.

Dr. Tanya Oswald completed the Microsurgery Fellowship and started the plastic surgery residency.

Dr. Joel Epperson completed General Surgery at UMC and entered the plastic surgery residency.

Dr. Barbara Persons completed a year as a hand surgery fellow and entered Dr. McCraw's contour reconstruction fellowship.

Dr. Beth Collins completed Dr. McCraw's fellowship and began plastic surgery residency at Emory.

Dr. Amy Kells started the Microsurgery fellowship following a hand fellowship at NYU.

Dr. Robert Myers began the craniofacial fellowship after general surgery training at Pennsylvania Hospital.

GRANTS

Role of hormones in neointimal proliferation. Sponsored by University of Mississippi Biomedical Research Grants Committee award of \$13,998 for period of 10/01/04-9/30/05. Dorsett-Martin, PI.

Cardiovascular Dynamics & Their Control. J.E. Hall, Department of Physiology, PI., D.A. Hildebrandt, Co-investigator (10% effort). Amount budgeted for last fiscal year, \$1,215,926.

Development of an In Vitro Wound Model. Funded by The University of Mississippi Medical Center, School of Nursing, Seed Grant Application. Total Direct Cost: \$3,000.

The Chronic Wound Microenvironment in Aging. Funded by The University of Mississippi Intramural Research Support. Total Direct Cost: \$7,500

Experimental Study of Parasympathetic Nerve Devolution. Funded by Chinese Nature Science, Grant No. 3044058. Investigators: Chang SM, Yu GR, Zhang F, Yuan F, Li HF, Zhou JJ.

Experimental and Clinical Study of Venous Reflow in the Distal Pedicle Flap of the Extremity. Funded by Shanghai Health Research Foundation, Grant No. 044102. Investigators: Chang SM, Zhang F, Yu GR, Yuan F, Zhou JJ.

Experimental and Clinical Study of Venous Reflow in the Distal Pedicle Flap of the Extremity. Funded by Chinese Nature Science, Grant No. 30571896. Investigators: Yu GR, Chang SM, Zhang F, Yuan F, Zhou JJ, Li HF, Zhang K.

VEGF and Skin Graft Vascularization. Funded by Southeastern Society for Plastic and Reconstructive Surgery. Investigators: Zhang F and Lineaweaver W.

VEGF Skin Graft Survival in the Rat Model. Funded by The University of Mississippi Dean's Medical Student Scholar Fellowship. Investigators: Sanders S and Zhang F.

PUBLICATIONS

See below

PRESENTATIONS

Lineaweaver W. Microsurgical Muscle Flap Coverage of Traumatic Injuries of the Hand and Wrist. SESPRS, Paradise Island, Bahamas, June 2005.

Lineaweaver W, Hu E. Use and Complications of Biologics in Abdominal Wall Reconstruction. Bariatric Plastic Surgery Workshop, Amelia Island, FL, October 2005.

Lineaweaver W, Oswald T. Abdominal Wall Reconstruction. Bariatric Plastic Surgery Workshop, Amelia Island, FL, October 2005.

Lineaweaver W, Rogers B. Economic Performance of a Center for Microsurgery and Complex Reconstruction at an Academic Medical Center. American Society for Reconstructive Microsurgery, Tucson, AZ, January 2006.

Lineaweaver W, Oswald T. Abdominal Wall Reconstruction and Problem Analysis in Plastic Surgery. UCSF Plastic Surgery, 6th Biennial Scientific Program and Alumni Reunion, San Francisco, CA, February 2006.

Lineaweaver W, Rogers B, Oswald T. Economic Performance of the UMC Center for Microsurgery. UCSF Plastic Surgery, 6th Biennial Scientific Program and Alumni Reunion, San Francisco, CA, February 2006.

Lineaweaver W. From Medical Student to Microsurgical Fellow. 8th Congress of the European Federation of Societies for Microsurgery, Cluj, Romania, May 2006.

Lineaweaver W. Microsurgery and Problem Analysis in Reconstructive Surgery. 8th Congress of the European Federation of Societies for Microsurgery, Cluj, Romania, May 2006.

Lineaweaver W. Philoctetes' Wound. SESPRS, Sea Island, GA, June 2006.

McCluskey P, Muskett A, Barber H, Lineaweaver W. Component Separation Repair in the Management of the Difficult Abdominal Hernia. James D. Hardy Surgical Forum, Jackson, MS, June 2006.

McCraw J. New Trends in Breast Surgery. University of South Carolina, Charleston, SC August 2005.

McCraw J. The Passot Mammoplasty. ASPS, Chicago, IL, September 2005.

McCraw J. Breakfast of Champions. ASPS, Chicago, IL, September 2005.

McCraw J. The Obesity Epidemic. Bariatric Plastic Surgery Workshop, Amelia Island, FL, October 2005.

McCraw J. Autogenous Latissimus Salvage Procedures, Bariatric Plastic Surgery Workshop, Amelia Island, FL, October 2005.

McCraw J. Medicolegal Considerations in Obesity Surgery. Bariatric Plastic Surgery Workshop, Amelia Island, FL, October 2005.

McCraw J. Management of the Long Breast. Bariatric Plastic Surgery Workshop, Amelia Island, FL, October 2005.

McCraw J. Massive Breast Reductions, Bariatric Plastic Surgery Workshop, Amelia Island, FL, October 2005.

McCraw J. Origins of the Norfolk Flap Workshop 6th Annual University of California San Francisco Symposium, February 2006.

McCraw J. History of the Norfolk Flap Workshop. Stephen J. Mathes Symposium, University California San Francisco, February 2006.

McCraw J. The Ethics Surrounding Plastic Surgery, Ethical Decision Making for Health Care. University of Mississippi Thad Cochran Center, March 2006.

McCraw J. Aesthetic Considerations in the Button Mastopexy and Reduction Procedure. American Society for Aesthetic Plastic Surgery, Orlando, FL April 2006.

McCraw J. Forehead and Scalp Reconstruction. Southeastern Society of Plastic and Reconstructive Surgeons, Sea Island, GA June 2006.

McCraw J. The Value of Tumescent Injection in Reduction Mammoplasty. Southeastern Society of Plastic and Reconstructive Surgeons, Sea Island, GA June 2006.

Muskett A, Barber H, Parent A, Angel MF. Contemporary Plastic Surgical Management of Meningomyelocele. Association Plastic Surgeons, Hilton Head, SC, 2006.

Smith AR, Lineaweaver WC. Lobule Keloids: A Different Entity or Routine Derailment of Collagen, James D. Hardy Surgical Forum, 2006.

Thacker P, Lindley S, Zhang F, Angel M, Tucci M, Rehm J, Longstreet S, Fratkin J. The Role of Free Radicals on the Chronic Nerve Compressions Injury: An Experimental Study in the Rat Sciatic Nerve Model, Toronto, Ontario, 2005.

Wysocki A. Bacterial Biodiversity in Chronic Wounds. University of Texas Health Science Center at San Antonio, San Antonio, TX, May 2006.

Wysocki A. Protease Expression and Extracellular Matrix. Symposium on Advanced Wound Care, San Antonio, TX, April 2006.

Wysocki A. Predoctoral and Postdoctoral Opportunities. Sigma Theta Tau, Theta Beta Chapter, Founder's Day Research Symposium, Jackson, MS, February 2006.

Wysocki A. Microbial Biodiversity in Chronic Wounds. Memphis, TN, February 2006.

Zhang F, Gerzenshtein J, Lineaweaver WC. The Expression of Proinflammatory Cytokines in the Rat Muscle Flap with Ischemia-Reperfusion Injury. 48th Annual Meeting of Southeastern Society of Plastic and Reconstructive Surgeons, Paradise Island, Bahamas, June 2005.

Zhang F. The Effect of Biomolecular Medicine and Tissue Engineering on Plastic Surgery in the New Century. The Fourth Chinese National Meeting for Plastic and Cosmetic Surgery, Da Lian, China, June 2005.

Zhang F. Academic Plastic Surgery and Microsurgical Flap an On Going Research. Da Lian University Hospital, Da Lian, China, June 2005.

Zhang F. Microsurgical Replantation and Transplantation in Salvage and Reconstruction of Extremity Trauma: Past, Present and Future, The First Asia Symposium on Trauma, Shanghai, China, October 2005.

Zhang F. Microsurgical Replantation and Transplantation in Salvage and Reconstruction of Extremity Trauma: Past, Present and Future. The First Asian Summit Forum for Orthopedic Trauma, Guangzhou, China, November 2005.

Zhang F. Microsurgical Replantation and Transplantation in Salvage and Reconstruction of Extremity Trauma, Past, Present, and Future. Shanghai Symposium on Microsurgery, Shanghai Sixth People's Hospital, Shanghai, China, March 2006.

Zhang F. Practical Information for Medical Manuscript Preparation. Da Lian University Hospital, Da Lian, China, March 2006.

Zhang F, Hu E, Gerzenshtein J, Lei M, Lineaweaver W. The Expression of Pro-Inflammatory Cytokines in the Rat Muscle Flap with Ischemia-reperfusion Injury. SESPRS, Paradise Island, Bahamas, June 2005.

DIVISION OF PEDIATRIC SURGERY



Full and Part-time Faculty

John R. Gosche M.D., Ph.D., Chief
Saleem Islam M.D.
Richard C. Miller M.D.
Ujjwal Rout Ph.D.



Case volume for the pediatric surgical service continues to increase. Surgical residents who graduate from the UMMC program boast pediatric surgical case numbers that are in the 90th percentile for general surgical residents nationwide. Several general surgery residents have expressed an interest in pursuing further training in pediatric surgery after completing their general surgical training. The Pediatric Surgical Research Laboratory has continued to pursue investigations on the expression of adhesion molecules by neural tissues under the direction of Dr. Ujjwal K. Rout. Dr. Rout is the principal investigator on a two-year grant through The Center for Psychiatric Neuroscience. Dr. Laura Vick has completed a very productive first year as a research fellow in the Pediatric Surgical Research Laboratory, co-authoring several clinical papers and presenting both basic science and clinical research data at several meetings. Work continues toward developing an ECMO program to support neonates and pediatric cardiac patients with pulmonary and/or cardiac failure.

GRANTS

Prenatal Alcohol, Integrins and Neuronal Migration Disorder. Funded by Center for Psychiatric Neurosciences and The University of Mississippi Medical Center. Ujjwal Rout, PhD, principal investigator, John Gosche, M.D., PhD. Co-investigator. 7/1/2005-6/30/2007, \$100,000 total budget.

Prenatal Alcohol, Integrins and Neuronal Migration Disorder. Funded by Center for Psychiatric Neuroscience. Funded by NIH. Total \$50,000 7/1/2005-6/30/2007. John R. Gosche, M.D., Ph.D., Co-investigator.

PUBLICATIONS

See below

PRESENTATIONS

Dhossche D and Rout UK. Catanoia in Autism: A Treatable Syndrome? Neuroscience Research Day, University of Mississippi Medical Center, Jackson, MS, November 2005.

Boulanger SC, Brisseau GF, Gosche JR. Minimally Invasive Management of Post-traumatic Bile Leaks. 15th Annual Congress for Endosurgery in Children, Dallas, TX, April 2006.

Henry MW, Gollin G, Islam S, Sylvester K, Moss L. Risk Factors for the Development of Abdominal Abscess Following Operation for Perforated Appendicitis: a Multi-Center Case Control Study. 86th Annual meeting of the New England Surgical Society, Bretton Woods, NH, September 2005

Henry MW, Gollin G, Islam S, Sylvester K, Moss L. Does Surgeon's Preference Predict Time to Feeding in Perforated Appendicitis? Association of Academic Surgeons Annual Meeting, San Diego, CA, February 2006.

Henry MW, Gollin G, Islam S, Sylvester K, Moss L. Matched Analysis of Non Operative Management and Immediate Appendectomy for Perforated Appendicitis. 37th Annual meeting of the American Pediatric Surgical Association, May 24-28, Hilton Head, SC, May 2006.

Islam S, Gosche JR, Wyatt-Ashmead J, Vick LR, Abell TR. Gastric Electrical Stimulation for Adolescents with Intractable Nausea and Gastroparesis. 37th Annual meeting of the American Pediatric Surgical Association, Hilton Head, SC, May 2006.

Islam S. ECMO. Greater Jackson Critical Care Society, University of Mississippi Medical Center, Jackson, MS, November 2005.

Islam S, Dolan M, Cleary J, Palmer A. Fungal Infections in Children: Frequency, Management and Outcomes. Southern Regional Meetings Annual Conference, Atlanta, GA, March 2006.

Islam S. Ovarian Tumors in Childhood: What is the True Incidence of Malignancy? 38th Annual Meeting of the Pacific Association of Pediatric Surgeons, Vancouver, Canada, May 2005.

Islam S. Laparoscopic Pull Through for Imperforate Anus in the Neonatal Period. American Academy of Pediatrics, Washington, DC, October 2005.

Islam S. Penetrating Neck Trauma in Children. 3rd Annual Dean's Summer Research Fellowship Presentation, Jackson, MS, July 2005.

Islam S. The Incidence and Outcome of Cervical Spine Injuries in Pediatric Patients After Trauma. 3rd Annual Dean's Summer Research Fellowship Presentation, Jackson, MS, July 2005.

Islam S. Peripheral Vascular Injury and Traumatic Amputations in Children at UMC. 3rd Annual Dean's Summer Research Fellowship Presentation, Jackson, MS, July 2005.

Islam S. Risk Factors for the Development of Abdominal Abscess Following Operation for Perforated Appendicitis: A Multi-Center Case Control Study. 86th Annual Meeting of the New England Surgical Society, Bretton Woods, NH, September/October 2005.

Islam S. Adding Insult to Injury: the Management of Penetrating Neck Trauma in Children. Association of Academic Surgeons Annual Meeting, San Diego, CA, February 2006.

Islam S. Does Surgeons Preference Predict Time to Feeding in Perforated Appendicitis? Association of Academic Surgeons Annual Meeting, San Diego, CA, February 2006.

Islam S. Gastric Electrical Stimulation for Gastroparesis in Children. International Electrogastrography meeting, Los Angeles, CA, March 2006.

Islam S. Electrogastrograms and Gastric Electrical Stimulation for Chronic Gastroparesis in Children. International Pediatric Endosurgery Group Annual Meeting, Dallas, TX, April 2006.

Islam S. Matched Analysis of Non Operative Management and Immediate Appendectomy for Perforated Appendicitis. 37th Annual Meeting of the American Pediatric Surgical Association, Hilton Head, SC, May 2006.

Islam S. Anterior Thoracoscopic Spinal Release with Insufflation in Children. 13th International Meeting on Advanced Spine Techniques, Athens, Greece, July 2006.

Islam S. Myelin Basic Protein and Neuronal Differentiation. 11th Annual SHRP Research day, Jackson, MS, April 2006.

Islam S. A Pain in the Neck: Analysis of Pediatric Cervical Spine Injuries. 65th Annual Meeting American Association for the Surgery of Trauma, New Orleans, LA, September 2006.

Islam S. Traumatic Peripheral Arterial Injuries in Children. 65th Annual Meeting American Association for the Surgery of Trauma, New Orleans, LA, September 2006.

Islam S. Cervical Spine Clearance in Children Under the Age of 3 Years: Are we overdoing it? 65th Annual Meeting American Association for the Surgery of Trauma, New Orleans, LA, September 2006.

Islam S. Historical Perspectives of Splenic Artery Embolization on Patients Outcomes. 65th Annual Meeting American Association for the Surgery of Trauma, New Orleans, LA, September 2006.

Islam S. Relationship of Obesity with Vascular Trauma. 65th Annual Meeting American Association for the Surgery of Trauma, New Orleans, LA, September 2006

Islam S. Gastric Electrical Stimulation for Adolescents with Intractable Nausea and Gastroparesis. Neurogastroenterology and Motility Joint International Meeting, Boston, MA September 2006.

Islam S. Increasing Virulence of Community Acquired MRSA Soft Tissue Infections in Children. American Academy of Pediatrics National Conference, Atlanta, GA, October 2006.

Islam S. Lessons Not Learnt: Recidivism from ATV Accidents in Children. 134th Annual Meeting American Public Health Association, Boston, MA, November 2005.

Roberson R, Vick LR, Islam S. Adding Insult to Injury: The Management of Penetrating Neck Trauma in Children. Association of Academic Surgeons Annual Meeting, San Diego, CA, February 2006.

Rout UK, Clausen P, Vick L, Dhossche DM, Gosche JR. NGF-induced Differentiation of PC12 Cells in Putative Pharmacological Models of Autistic Spectrum Disorder. 53rd Annual Meeting, Society for Gynecologic Investigation, Toronto, Canada, March 2006.

Rout UK, Dhossche DM, Gosche JR. Drugs and the Migration of HTR-8/SVneo Cells. 53rd Annual Meeting, Society for Gynecologic Investigation, Toronto, Canada, March 2006.

Rout UK, Clausen P, Vick L, Dhossche DM and Gosche JR. Valproate, Thalidomide and Alcohol Enhances NGF-induced Differentiation of PC12 Cells. Neuroscience Research Day, The University of Mississippi Medical Center, Jackson, MS, November 2005.

Rout UK, Clausen P, Vick L, Dhossche DM, Gosche JR. Effects of Drugs on the Differentiation of PC12 Cells. Mississippi Academy of Sciences, Vicksburg, MS, February 2006.

Tate B, Islam S, Vick L and Rout UK. Myelin Basic Protein and Neuronal Differentiation. 11th Annual SHRP Research Day, School of Health Related Professions, The University of Mississippi Medical Center, Jackson, MS, April 2006.

Vick L, Gosche JR, and Rout UK. Teratogenic Drugs and the Expression of Integrin Subunit Alpha 1. 11th Annual SHRP Research Day, School of Health Related Professions, UMMC, Jackson, MS, April 2006.

Vick LR, Gosche JR, Islam SM, Boulanger SC. Primary Laparoscopic Rrepair of High Imperforate Anus in Males. Presented at the American Academy of Pediatrics, Section on Surgery, 2005 National Conference and Exhibition, Washington, DC, October 2005.

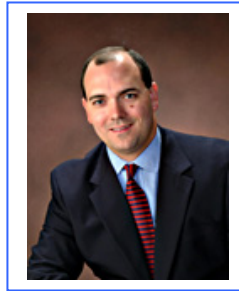
Vick L, Rout UK. Modulation of Adhesion Receptor Expression by Teratogens. Research Seminar Series, July 2006.

Vick L, Islam S, Gosche J, Abell T. Gastric Electrical Stimulation for Gastroparesis in Children. International Electrogastrography Meeting, Los Angeles, CA, March 2006.

Vick L, Islam S, Gosche J, Abell T. Electrogastrograms and Gastric Electrical Stimulation for Chronic Gastroparesis in Children. International Pediatric Endosurgery Group Annual Meeting, Dallas, TX, April 2006.

Vick L, Islam S, Gosche J, Abell T. Electrogastrograms and Gastric Electrical Stimulation for Chronic Gastroparesis in Children. International Pediatric Endosurgery Group Annual Meeting, Dallas, TX, April 2006

DIVISION OF UROLOGY



Full and Part-time Faculty

Charles R. Pound M.D., Chief
Darlenia Andrews M.S.N.
Mark A. Barraza M.D.
W. Meredith Bradford M.D.
Ronald Davis M.D.
Felix Gordon M.D.
James E. Keeton M.D.
Donald E. Sawyer M.D.
Paige C. White M.D.



The Division of Urology strives for excellence in the four components of academic medicine – patient care, education, research, and community service. The faculty and residents provide comprehensive urologic services at the University Hospitals and Clinics and the Veterans Administration Medical Center. Outpatients are seen at the University Medical Pavilion, the Jackson Medical Mall, the UMMC Cancer Institute, the Veterans Administration Medical Center Clinics, the Mississippi State Hospital in Whitfield, and the Blake Clinic for disabled children. Our residents also rotate with both University and community urologists at the Mississippi Baptist Medical Center.

Faculty Additions and Promotions

Dr. Heather Wallace completed urologic training, and she was appointed to the Urology faculty in July 2006. Her practice will concentrate on general adult and pediatric urology. Dr. Charles Pound, the Chief of the Division of Urology, was elected President of the Association of Mississippi Urologists during the past year. Two faculty members left the division during the last academic year. Longtime faculty member Dr. Jackson Fowler retired in December 2005, after serving on the faculty for fourteen years including more than 10 years as division chief. Dr. Robert Santa-Cruz resigned his newly appointed position as Assistant Professor to pursue a practice in Arizona.

Graduating Residents

Drs. Steve Riggs and Heather Wallace finished their urology training in June 2006. Each passed the written board exam. Dr. Riggs began a urologic oncology fellowship at the University of California at Los Angeles. Dr. Wallace joined the faculty of the Division of Urology at the UMC.

No major changes have been made to the resident training rotations over the past year. One-half of a resident's time is spent at the VAMC. Six months are spent on pediatric urology, and six months are spent at the Mississippi Baptist Medical Center. The academic conference schedule has undergone minor changes over the last year. Grand Rounds is now a CME conference as are the Journal Club and Uroradiology conferences.

Dr. Alan Partin, the chair of the Department of Urology at Johns Hopkins School of Medicine and an alumnus of the University of Mississippi, was this year's Julian Wiener Lecturer in Urology.

Cathy Humphrey is now serving as residency coordinator in the Division of Urology. She brings a wealth of experience from her time as assistant coordinator for the residency program in general surgery. Her personality and organizational skills have been a morale boost for our faculty and residents.

Residents and students were successful in producing abstracts that were accepted for presentation at sectional and national meetings this past year. Since 1992, the Division has participated in the Prostate Cancer Prevention Trial, and it is the second leading site in the nation for recruitment of African-American subjects. The division also participates in the NIDDK-supported Chronic Prostatitis Collaborative Research Network, and it is a study site for the NCI-supported SELECT Prostate Cancer Prevention Trial. CSP#553 is a multi-institutional study of early chemotherapy in high risk prostate cancer, and it will begin recruiting patients at the VAMC in the near future.

The annual prostate cancer screening clinic was postponed in 2005 due to Hurricane Katrina and the recovery efforts. It will continue in 2006, and it serves as the division's principal community service. This prostate cancer screening clinic is one of the largest of its kind in the nation, and it emphasizes participation by African-American men who have a greater risk of death from prostate cancer.

Case statistics of the Chief Residents

Steve Riggs, MD

Adult

Cystoscopy
ESWL
Female Incontinence
Lymphadenectomy Pelvic

Pediatric

395	Bladder Augmentation	2
24	Hydrocelectomy/Herniorrhaphy	50
44	Hypospadias	31
11	Orchiopexy, All Categories	35

Lymphadenectomy, Retroperitoneal	5	Pyeloplasty	13
Penile Surgery	53	Partial or Total Nephrectomy	7
Percutaneous Renal Surgery	39	Ureteroneocystostomy	22
Prostatectomy, Radical, All Categories	96	Urinary Diversion	2
Radical Cystectomy	14	Total	162
Renal Surgery, Partial or Total	76		
Scrotal Surgery	94	Laparoscopy	39
Transrectal Ultrasound/Prostate Biopsy	173		
Transurethral Prostate Surgery	34		
Transurethral Resection Bladder Tumor	25		
Ureteroscopy	68		
Urethroplasty/Urethral Surgery	28		
Urinary Diversion, All Types	13		
Miscellaneous	182		
Total	1575		

Heather Wallace, MD

Adult

Cystoscopy	470
ESWL	48
Female Incontinence	52
Lymphadenectomy Pelvic	59
Lymphadenectomy, Retroperitoneal	0
Penile Surgery	35
Percutaneous Renal Surgery	26
Prostatectomy, Radical, All Categories	92
Radical Cystectomy	9
Renal Surgery, Partial or Total	73
Scrotal Surgery	83
Transrectal Ultrasound/Prostate Biopsy	136
Transurethral Prostate Surgery	25
Transurethral Resection Bladder Tumor	31
Ureteroscopy	51
Urethroplasty/urethral Surgery	32
Urinary Diversion, All Types	8
Miscellaneous	227
Total	1644

Pediatric

Bladder Augmentation	4
Hydrocelectomy, Herniorrhaphy	60
Hypospadias	35
Orchiopexy, All Categories	31
Pyeloplasty	10
Partial or Total Nephrectomy	4
Ureteroneocystostomy	12
Urinary Diversion	6
Total	162
Laparoscopy	25

GRANTS

SELECT (Selenium and Vit E Clinical trial for prevention of prostate cancer). Funded by NCI. Total \$500,000 2000-present. Charles Pound, Co-investigator.

PCPT (Prostate Cancer Prevention Trial). Funded by NIDDK. Total \$750,000 from 2000-present. Charles Pound Co-investigator.

PUBLICATIONS

See below

PRESENTATIONS

Pound C. Treatment of BPH with Alpha Blockers. Boehinger-Ingelheim, Jackson, MS, 2006.

Pound C. Imaging Following Percutaneous Therapy for Renal Cell Carcinoma. University of Alabama-Birmingham Urology Conference, Sandestin, FL, July 2006.

Riggs S. Complications and Retreatment Rates Following MRI Guided Percutaneous Therapy for Renal Cell Carcinoma. Southeastern Section, AUA, San Juan, Puerto Rico, April 2006.

Riggs S, Hardin B, Sewell W, Schwartz J, Pound C. Complications and Retreatment Rates in Renal Tumors Treated with MRI Guided Percutaneous Cryoablation, James D. Hardy Surgical Forum, 2006.

Riggs S, Hardin B, Sewell W, and Pound C. Complications and Retreatment Rates Following Percutaneous Renal Cryoablation, AUA, Atlanta, GA, May 2006.

Wallace HM, Pound CR. Does a Positive Lateral Prostate Biopsy Predict a Positive Margin at the Time of Radical Prostatectomy for Clinically Localized Prostate Cancer? James D. Hardy Surgical Forum, 2006.

DIVISION OF VASCULAR SURGERY



Full and Part-time Faculty

Marc Mitchell M.D., Chief
Fred Rushton M.D.



The Division of Vascular Surgery completed its first full year in June 2006. Growth, recruitment, and increasing clinical volume have been the major focus of the Division over the last year. The clinical workload of the Division has nearly doubled over the last year. Growth has been particularly strong in the endovascular surgery program. The Division has fostered strong working relationships with cardiology and interventional radiology, participating in the training of their residents and fellows. Carotid angioplasty/stenting, thoracic aortic aneurysm stent graft and peripheral atherectomy programs were successfully initiated last year. During the year, the Division assumed hospital wide responsibility for emergency endovascular call.

Faculty Additions and Promotions

Dr. Huey McDaniel will be joining the Division as an Assistant Professor. Dr. McDaniel is coming from the Reno VA Medical Center, and he will practice at both the University Hospital, and the Jackson VA Medical Center. Barbara Tolleson M.S.N. will be joining the Division as a nurse practitioner in August of 2006.

PUBLICATIONS

See below

PRESENTATIONS

Mitchell ME. Treatment of Carotid Artery Stenosis: Past, Present and Future. Macon Surgical Society, Macon, GA, July 2006.

Mitchell ME. Lower Extremity Revascularization: A New Paradigm. Surgical Grand Rounds, Mercer University School of Medicine, Macon, GA, July 2006.

Rushton FW. Laparoscopic Surgery of the Aorta. The Mississippi State Assembly of Operating Rooms Technicians, July 2006.

VISITING PROFESSORS

VISITING PROFESSORS

2005 - 2006

July 5, 2005

Division of Plastic Surgery
“Abdominal Wall Reconstruction”
Luis Vasconez M.D.
Professor and Chief
Division of Plastic Surgery
University of Alabama School of Medicine
Birmingham, AL

November 8, 2005

Division of Plastic Surgery
“How To Manage Complicated Cases in Plastic Surgery”
“Soft-tissue Reconstruction of the Lower Extremity: Refinements and Innovations”
“Breast Reduction as an Alternative Treatment Option for Early Breast Cancer in Women with Macromastia”
Lee Li-Qun Pu M.D.
Associate Professor, Division of Plastic and Reconstructive Surgery
University of Kentucky College of Medicine
Lexington, KY

November 16, 2005

Division of Pediatric Surgery
“The Surgical Management of Ambiguous Genitalia in Infants and Children”
“Difficult Cases in Pediatric Surgery”
“Recent Advances in the Management of Hirschsprung’s Disease”
Arnold G. Coran M.D.
Professor and Head, Section of Pediatric Surgery
University of Michigan Medical School
Ann Arbor, MI

February 8, 2006

Julian Wiener Lectureship in Urology
“PSA Update-2006”
Alan W. Partin, M.D., Ph.D.
Professor and Chairman
Department of Urology
Johns Hopkins Medicine
Baltimore, MD

February 16-17, 2006

Craniofacial Lectureship

“Development of Endoscopic Surgery for Craniosynostosis”

“Use of Orthotics in the Management of Craniosynostosis”

Dr. Constance M. Barone

Dr. David Jimenez

“Skeletal Distraction in the Management of Craniofacial Anomalies”

Dr. Constance M. Barone

“Treatment of Frontal Encephaloceles Using a Nasional Craniotomy”

Dr. David Jimenez

Dr. Constance M. Barone

Professor and Chief, Division Plastic and Reconstructive Surgery

University of Texas Health Science Center at San Antonio

Dr. David Jimenez

Professor and Director, Center for Neurosurgical Sciences

University of Texas Health Science Center at San Antonio

March 30 - 31, 2006

James Harvey Hendrix, Jr. Lectureship in Surgery

“Microsurgical Free Tissue Transfer”

“Toe Transplantation in Hand Reconstruction”

Fu Chan Wei M.D.

Chang Gung Memorial Hospital

Taiwan

June 14, 2006

James D. Hardy Lectureship in Surgery

“Treatment of Carotid Stenosis”

“Minimally Invasive Procedures for Vascular Disease”

Juan C. Parodi M.D.

Professor of Surgery

Chief of Endovascular Surgery

University of Miami School of Medicine

Miami, FL

PUBLICATIONS

Aru GM, Juraszek A, Moskowitz I, Van Praagh R. *Tetralogy of Fallot with Aortic Stenosis: The Tetralogy-Truncus Interrelationship*. (In collaboration with The Boston Children's Hospital). *Pediatric Cardiology* (in press) 2006.

Berry C, Lewis A, Bigler S, Smith P, Barber H, Burns T, Cameron J, McDaniel DO. *Role of Cytochrome P-450 3A4 (CYP 3A4) Genes in the Development of Breast Cancer*. *MAS* 51(1): 81, 2006.

Borman KR, Coe NPW. *Parathyroid Glands*. In: **Essentials of General Surgery** (4th edition), Lippincott Williams & Wilkins 408-412, 2006.

Borman KR. *Multiple Endocrine Neoplasia Syndrome*. In: **Essentials of General Surgery** (4th edition), Lippincott Williams & Wilkins 421-425, 2006.

Borman KR. *Mastering Reimbursement: Basic CPT Code Selection*. *Curr Surg* 63:117-118, 2006.

Borman KR. *Mastering Reimbursement: Basics of the Surgical Package*. *Curr Surg* (in press) 2006.

Borman KR. *Mastering Reimbursement: Selecting an E&M Category*. *Curr Surg* (accepted) 2006.

Borman KR. *Does Academic Intervention Impact ABS Qualifying Exam Results?* *Curr Surg* (accepted) 2006.

Borman KR, Coe NPW. *Surgical Endocrinology. Parathyroid Glands*. In: Lawrence (ed.), **Essentials of General Surgery**, Philadelphia: Lippincott Williams & Wilkins, 421-425, 2006.

Borman KR, Coe NPW. *Surgical Endocrinology. Multiple Endocrine Neoplasia Syndromes*. In: Lawrence (ed.), **Essentials of General Surgery**, Philadelphia: Lippincott Williams & Wilkins, 409-413, 2006.

Boulanger SC, Brisseau GF, Gosche JR. *Minimally Invasive Management of Post-traumatic Bile Leaks*. 5th Annual Congress for Endosurgery in Children, Dallas, Texas, *J Laparoendo Adv Surg Tech* 16(2): 230, April 2006.

Boyd KB, Olivier J., Salameh JR. *Surgical Residents' Perception of Simulation Training*. *Am Surg* 72(6): 521-524, June 2006.

Call KD, Aru G, Creswell L. *Clinical Pathway Study in Cardiovascular Surgical Patients*. *J MSMA* 46(8): 241-242, 2005.

- Chang SM, Yu GR, Yuan F, Zhou JQ, Zhang F. *Clinical Evolution and Application of Distally Based Sural Neurofasciocutaneous Flap for Distal Lower Leg, Foot and Ankle Coverage. Journal of Tongji University Medical Science (Chinese)* 26:42, 2005.
- Chen W, Zhang F, Chang S, Hui K, Lineaweaver W. *Microsurgical Fibular Flap for Treatment of Avascular Necrosis of the Femoral Head. JACS* 202:324, 2006.
- Choi S, Islam S, Greenson JK, et al. *The Use of Laparoscopic Liver Biopsies in Pediatric Patients with Hepatic Dysfunction Following Allogeneic Hematopoietic Stem Cell Transplantation. Bone Marrow Transplantation*, September 2005.
- Chen LL, Zhang F. *My Father, Dr. Zhong-Wei Chen. Journal of Reconstructive Microsurgery* 21:3, 2005.
- Cohly HH, Panja A, Reno WL III, Obenhuber D, Koelle MS, Das SK, Angel MF, Rao MR. *Evidence for Alteration in Chemical and Physical Properties of Water and Modulation of its Biological Functions by Sunlight Transmitted through Color Ranges of the Visible Spectrum-A Novel Study. Int J Environ Res Public Health* 2(2):219-27, August 2005.
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