DEPARTMENT OF SURGERY
Annual Report 2007 - 2008

Carolinas Medical Center
Uncompromising Excellence. Commitment to Care.
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This annual report includes the activities of the Department of Surgery at Carolinas Medical Center from July 2007 through June 2008. During this time, we have seen continued academic growth and a high level of scholarly activity from our faculty and surgical trainees. Our basic science research has continued to grow as reflected in the Awards and Scholarly Activities section of this report. We have also strengthened our collaboration with physicians and institutions in the region through our Telemedicine Program. Through the initiation of surgical rotations for third-year medical students from UNC, we have strengthened the ties with this institution and have begun discussions relating to becoming a regional partner for the teaching of UNC students in their clinical years. These projects have been supported by the excellent teleconferencing and informational technology support at Carolinas Medical Center.

During the 2007-2008 academic year, we continued to strengthen our hepatobiliary surgical program in the clinical and research areas. The addition of Dr. John Martinie to our surgical faculty and the appointment of Dr. Iain McKillop as our Surgical Research Director have been important in this initiative. Our Surgical Oncology Division has been strengthened by the addition of Dr. Terry Sarantou, who will bring additional support to Blumenthal Cancer Center and to our breast cancer and melanoma programs. Our Bariatric Surgical Program has continued to flourish under the leadership of Drs. Keith Gersin and Tim Kuwada. The Carolinas Weight Management and Wellness Center, which is dedicated to the surgical, medical and psychological needs of our bariatric patients, opened during this academic year.

Although functioning in an independent academic medical center, the Department of Surgery represents a microcosm of activity that is generally found in a university medical school environment. From the extensive clinical experience of our full-time and community-based faculty and residents to the far-reaching and varied research activities of our faculty and trainees, the Department of Surgery provides the three elements essential for a successful academic surgical environment - teaching, clinical activities and research excellence.

The faculty and house staff could not have accomplished these goals in a vacuum. We appreciate continued outstanding guidance and administrative support under the leadership of James McDeavitt, MD, Senior Vice President for Education and Research and his able staff. In addition, Suzanne Freeman, President of Carolinas Medical Center, Dennis Phillips, President, Carolinas Medical Centers-Charlotte, Paul Franz, Executive Vice President of Operations and Michael Tarwater, Chief Executive Officer of Carolinas HealthCare System, have provided an environment that has stimulated all of us to accomplish the activities presented in this departmental annual report. We also recognize the contributions of the outstanding support staff in the Department of Surgery who make it a pleasure for us to work and study in this environment.

Although the culture of medicine and surgery has experienced significant shifts in the last several years, the mission of the Department of Surgery is to provide an environment where learning and outstanding clinical care are paramount. These goals have been enhanced by the opening of Levine Children’s Hospital and our new intensive care unit tower during the fall of 2007. Our Department will continue to flourish as a result of these initiatives.

As technology and science continue to be stimuli for our surgical achievements, the Department of Surgery has continued to follow the tenets of personal interaction and humanism. Our daily activities and this annual report are dedicated to these principles and to the patients we serve.

Frederick L. Greene, MD, FACS
CHAIRMAN AND DIRECTOR OF SURGICAL EDUCATION
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<tr>
<th>POST GRADUATE YEAR 1</th>
<th>MEDICAL SCHOOL</th>
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<tbody>
<tr>
<td>Rita A. Brintzenhoff, MD</td>
<td>University of Cincinnati</td>
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<tr>
<td>Lindsay M. Fairfax, MD</td>
<td>Eastern Virginia Medical School</td>
</tr>
<tr>
<td>Bryan Patonay, MD</td>
<td>Medical College of Georgia</td>
</tr>
<tr>
<td>Brett T. Snodgrass, MD</td>
<td>University of Missouri-Kansas City</td>
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<tr>
<td>John D. Whitfield, MD</td>
<td>University of Tennessee</td>
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<tr>
<th>POST GRADUATE YEAR 2</th>
<th>MEDICAL SCHOOL</th>
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<tr>
<td>Alejandro Fernandez-Tatum, MD</td>
<td>University of North Carolina</td>
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<tr>
<td>Jonathan H. Gifford, MD</td>
<td>University of Nevada</td>
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<tr>
<td>Phuong Hoang Nguyen, MD</td>
<td>Florida State University</td>
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<tr>
<th>POST GRADUATE YEAR 3</th>
<th>MEDICAL SCHOOL</th>
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<tr>
<td>Jason M. Arru, MD</td>
<td>University of Louisville</td>
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<tr>
<td>Robert L. Stevens, MD</td>
<td>University of Connecticut</td>
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<tr>
<td>Thomas M. Schmelzer, MD</td>
<td>University of Louisville</td>
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<tr>
<th>POST GRADUATE YEAR 4</th>
<th>MEDICAL SCHOOL</th>
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<tr>
<td>Steven M. Camp, MD</td>
<td>Texas Tech University</td>
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<tr>
<td>M. Daniel Isbell, MD</td>
<td>University of Oklahoma</td>
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<tr>
<td>B. Lauren Paton, MD</td>
<td>University of Cincinnati</td>
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<tr>
<th>POST GRADUATE YEAR 5</th>
<th>MEDICAL SCHOOL</th>
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<tr>
<td>Heath D. Beckham, MD</td>
<td>University of Alabama</td>
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<tr>
<td>R. Lamont Cathey, MD</td>
<td>East Carolina University</td>
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<tr>
<td>Eric J. Mallico, MD</td>
<td>University of Connecticut</td>
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<tr>
<th>RESEARCH RESIDENT</th>
<th>MEDICAL SCHOOL</th>
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<tr>
<td>K. Christian Walters, MD</td>
<td>Medical University of South Carolina</td>
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<tr>
<th>POST GRADUATE YEAR 6 - LAPAROSCOPIC FELLOWS</th>
<th>SURGICAL RESIDENCY</th>
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<tbody>
<tr>
<td>William L. Newcomb, MD (Clinical Fellow)</td>
<td>University of South Carolina</td>
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<tr>
<td>William W. Hope, MD (Clinical Fellow)</td>
<td>Greenville Hospital System</td>
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<tr>
<td>Jennifer E. Keller, MD (Research Fellow)</td>
<td>University of Arkansas</td>
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<tr>
<td>Charles J. Dolce, MD (Research Fellow)</td>
<td>Albany Medical Center</td>
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<tr>
<th>POST GRADUATE YEAR 6 - BARIATRIC FELLOW</th>
<th>SURGICAL RESIDENCY</th>
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<tr>
<td>Ian A. Villanueva, MD (Clinical Fellow)</td>
<td>Loyola University Medical Center</td>
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<tr>
<th>POST GRADUATE YEAR 6 - HPB FELLOW</th>
<th>SURGICAL RESIDENCY</th>
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<tr>
<td>Srikanth Padma, MD (Research and Clinical Fellow)</td>
<td>Mercy Catholic Medical Center</td>
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FULL-TIME FACULTY

Frederick L. Greene, MD, FACS
CHAIRMAN AND DIRECTOR OF SURGICAL EDUCATION

RESIDENCY: Yale - New Haven Hospital

FELLOWSHIP: American Cancer Society Clinical Oncology Fellowship, Yale - New Haven Hospital, 1972 – 1973

Professor of Surgery, University of South Carolina, 1980 – 1997

Clinical Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 1997 to present

Michael H. Thomason, MD, FACS
ASSOCIATE CHAIRMAN

MEDICAL DIRECTOR, F. H. “SAMMY” ROSS, JR. TRAUMA CENTER
DIRECTOR, SURGICAL ENDOSCOPY TRAINING
ATTENDING SURGEON, TRAUMA/SURGICAL CRITICAL CARE AND ACUTE CARE SURGERY

RESIDENCY: Charlotte Memorial Hospital (Carolinas Medical Center)

Clinical Instructor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 1983 – 1989

Clinical Assistant Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 1989 – 2001

Clinical Associate Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2001 – 2008

Clinical Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2008 to present
William S. Miles, MD, FACS, FCCS

ASSOCIATE RESIDENCY PROGRAM DIRECTOR
DIRECTOR OF SURGICAL CRITICAL CARE
MEDICAL DIRECTOR OF TRAUMA INTENSIVE CARE UNIT
ATTENDING SURGEON, TRAUMA/SURGICAL CRITICAL CARE AND ACUTE CARE SURGERY

RESIDENCY: University of South Carolina

FELLOWSHIP: Surgical Research, University of South Carolina, 1989 – 1990

FELLOWSHIP: Surgical Critical Care and Trauma Surgery, Vanderbilt University School of Medicine, 1993 – 1995

Surgical Education Research Fellowship, American College of Surgeons, 1999 – 2000

Clinical Assistant Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 1997 – 2007

Clinical Associate Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2007 to present

Vincent P. Casingal, MD

TRANSPLANT SURGEON

RESIDENCY: Carolinas Medical Center

FELLOWSHIP: Transplantation, University of Minnesota, 2003 – 2005

Clinical Assistant Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2007 to present
A. Britton Christmas, MD
ATTENDING SURGEON, TRAUMA/SURGICAL CRITICAL CARE AND ACUTE CARE SURGERY

RESIDENCY: University of Louisville

FELLOWSHIP: Surgical Critical Care, University of Louisville, 2003 – 2004

Clinical Assistant Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2007 to present

Roger R. Denny, MD, FACS
TRANSPLANT SURGEON

RESIDENCY: State University of New York-Brooklyn

FELLOWSHIP: Transplantation, University of Minnesota, 2000 – 2002

Clinical Assistant Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2003 to present

Lon B. Eskind, MD, FACS
DIRECTOR, LIVER TRANSPLANTATION
ASSISTANT MEDICAL DIRECTOR, LIFESHARE OF THE CAROLINAS

RESIDENCY: University of Hawaii

FELLOWSHIP: Transplantation, University of Miami, 1996 – 1998

Clinical Assistant Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 1999 to present
Susan L. Evans, MD

ATTENDING SURGEON, TRAUMA/SURGICAL CRITICAL CARE AND ACUTE CARE SURGERY

RESIDENCY: University of Florida

FELLOWSHIP: Trauma and Surgical Critical Care, University of Pennsylvania, 2004 – 2006

Clinical Assistant Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2007 to present

Teresa S. Flippo-Morton, MD, FACS

SURGICAL FACULTY, DIVISION OF SURGICAL ONCOLOGY

RESIDENCY: Carolinas Medical Center

Teaching faculty, Carolinas Medical Center Department of Surgery, 1991 – 1996

Clinical Assistant Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2007 to present

J. Eduardo Flores Montero, MD, FACS

ATTENDING SURGEON, HOSPITAL MEXICO, SAN JOSÉ, COSTA RICA

RESIDENCY: University of Costa Rica

FELLOWSHIP: Universities of Tohoku and Kyorin and the Miyagi Cancer Detection Center, Japan, 1979 – 1980

Clinical Associate Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill
Keith S. Gersin, MD, FACS  
CHIEF OF BARIATRIC SURGERY, DIVISION OF GASTROINTESTINAL AND MINIMALLY INVASIVE SURGERY  

RESIDENCY: Berkshire Medical Center  

FELLOWSHIP: Laparoendoscopic Surgery, Cleveland Clinic Foundation, 1997 – 1998  

Assistant Professor of Surgery and Director of Surgical Endoscopy and Laparoscopy, University of Cincinnati, 2000 – 2005  

Clinical Associate Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2005 to present

Paul F. Gores, MD, FACS  
DIRECTOR, PANCREAS/ISLET CELL TRANSPLANTATION  

RESIDENCY: University of Minnesota  

FELLOWSHIP: Transplantation, University of Minnesota, 1988 – 1989  


Assistant Professor of Surgery, University of Minnesota, 1990 – 1993  

Associate Professor of Surgery, University of Minnesota, 1993 – 1994  

Director of Human Islet Transplantation, Department of Surgery, University of Minnesota, 1990 – 1994  

Assistant Director of Liver Transplantation, Department of Surgery, University of Minnesota, 1990 – 1994  

Clinical Associate Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 1995 to present
Daniel H. Hayes, MD, FACS
DIRECTOR, TRANSPLANTATION
MEDICAL DIRECTOR, LIFESHARE OF THE CAROLINAS

RESIDENCY: Ochsner Clinic

FELLOWSHIP: Transplantation, Mayo Graduate School of Medicine, 1986 – 1987
Clinical Assistant Professor of Surgery, Louisiana State University, 1988 – 1993
Clinical Associate Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 1994 to present

B. Todd Heniford, MD, FACS
CHIEF, DIVISION OF GASTROINTESTINAL AND MINIMALLY INVASIVE SURGERY
CO-DIRECTOR, CAROLINAS LAPAROSCOPIC AND ADVANCED SURGERY PROGRAM
CO-DIRECTOR, CAROLINAS HERNIA CENTER

RESIDENCY: University of Louisville

FELLOWSHIP: Research - Surgical Oncology, University of Louisville, 1991 – 1992
Instructor, Veterans Administration Medical Center, 1995 – 1996
Instructor, Department of Surgery, University of Louisville, 1995 – 1996
Clinical Associate Professor, Minimally Invasive Center, Cleveland Clinic Foundation, 1997 – 1998
Clinical Assistant Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 1998 – 2002
Clinical Associate Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2002 – 2007
Clinical Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2007 to present
Adjunct Assistant Professor of Bioengineering, College of Engineering and Science, Clemson University, 2002 to present
Toan T. Huynh, MD, FACS, FCCS
DIRECTOR, SURGICAL INTENSIVE CARE UNIT
DIRECTOR, TRAUMA RESEARCH
DIRECTOR, GENERAL SURGERY CLINICAL RESEARCH
ATTENDING SURGEON, TRAUMA/SURGICAL CRITICAL CARE AND
ACUTE CARE SURGERY

RESIDENCY: University of North Carolina at Chapel Hill

FELLOWSHIP: Trauma and Surgical Critical Care, University of North Carolina,
Chapel Hill, 1997 – 1998
Adjunct Associate Professor of Biology, Department of Biology,
University of North Carolina at Charlotte, 2001 – present
Clinical Assistant Professor, Department of Surgery, School of Medicine,
University of North Carolina at Chapel Hill, 1999 to present

David A. Iannitti, MD, FACS
DIRECTOR, HEPATOPANCREATICOBILIARY SURGERY,
DIVISION OF GASTROINTESTINAL AND MINIMALLY INVASIVE SURGERY

RESIDENCY: Brown University

FELLOWSHIP: Pancreatic and Hepaticobiliary Surgery, Cleveland Clinic Foundation,
1996 – 1997
Assistant Clinical Instructor of Surgery, Brown Medical School, 1995 – 1996
Assistant Professor of Surgery, Brown Medical School, 1997 – 2005
Associate Professor of Surgery, Brown Medical School, 2005 – 2006
Clinical Associate Professor, Department of Surgery, School of Medicine,
University of North Carolina at Chapel Hill, 2007 to present
David G. Jacobs, MD, FACS
ASSOCIATE MEDICAL DIRECTOR, F. H. “SAMMY” ROSS, JR. TRAUMA CENTER
ATTENDING SURGEON, TRAUMA/SURGICAL CRITICAL CARE AND ACUTE CARE SURGERY

RESIDENCY: Case Western Reserve University
FELLOWSHIP: Pediatric Surgery Research, Hospital for Sick Children, Toronto, Canada
FELLOWSHIP: Trauma and Surgical Critical Care, Maryland Institute for Emergency Medical Services Systems, 1987 – 1988
Instructor in Surgery, Case Western Reserve University, 1986 – 1988
Assistant Professor of Surgery, Case Western Reserve University, 1988 – 1995
Assistant Professor of Anesthesiology, Case Western Reserve University, 1988 – 1995
Clinical Associate Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 1995 – 2008
Clinical Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2008 to present

Kent W. Kercher, MD, FACS
CHIEF, MINIMAL ACCESS SURGERY, DIVISION OF GASTROINTESTINAL AND MINIMALLY INVASIVE SURGERY
CO-DIRECTOR, CAROLINAS LAPAROSCOPIC AND ADVANCED SURGERY PROGRAM
CO-DIRECTOR, CAROLINAS HERNIA CENTER
MEDICAL DIRECTOR, CMC SURGERY

RESIDENCY: Carolinas Medical Center
FELLOWSHIP: Minimally Invasive Surgery, University of Massachusetts, 1999 – 2000
Clinical Instructor, University of Massachusetts, 1999 – 2000
Clinical Assistant Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2000 – 2007
Clinical Associate Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2007 to present
Timothy S. Kuwada, MD, FACS
DIRECTOR, BARIATRIC FELLOWSHIP, CAROLINAS LAPAROSCOPIC AND ADVANCED SURGERY PROGRAM

RESIDENCY: Medical College of Wisconsin

FELLOWSHIP: Advanced Laparoscopic Surgery, Northwestern University, 2003 – 2004

Clinical Assistant Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2005 to present

Amy E. Lincourt, PhD
RESEARCH GROUP DIRECTOR, DIVISION OF GASTROINTESTINAL AND MINIMALLY INVASIVE SURGERY

PHD: Syracuse University

Assistant Professor, Psychology Department, Louisiana State University, 1997 – 2000

Adjunct Assistant Professor, Department of Health Behavior and Administration, University of North Carolina at Charlotte, 2005 to present

John B. Martinie, MD, FACS
HEPATOPANCREATICOBILIARY SURGEON, DIVISION OF GASTROINTESTINAL AND MINIMALLY INVASIVE SURGERY

RESIDENCY: Brown University

FELLOWSHIP: Hepatopancreatobiliary Surgery, McGill University, 2004 – 2005

Co-director, Center for Pancreatobiliary Disease, School of Medicine, University of North Carolina at Chapel Hill, 2005 – 2007

Assistant Professor of Surgery, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2005 – 2007

Clinical Assistant Professor of Surgery, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2008 to present
Iain H. McKillop, PhD

GROUP DIRECTOR FOR RESEARCH

PHD: University of Sheffield, UK, 1995

Post-doctoral Fellow, Department of Surgery, Georgetown University, 1995 – 1998

Instructor, Department of Surgery, Georgetown University, 1998 – 1999

Assistant Professor, Department of Surgery, University of Rochester, 1999 – 2002

Associate Professor, Department of Biology, University of North Carolina at Charlotte, 2002 – 2007

Adjunct Associate Professor, Department of Biology, University of North Carolina at Charlotte, 2008 to present

Gamal Mostafa, MD, FRCS, FACS

CHIEF, ACUTE CARE SURGERY


Clinical Instructor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2005 – 2006

Clinical Assistant Professor of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2006 to present
Jonathan C. Salo, MD, FACS
SURGICAL FACULTY, DIVISION OF SURGICAL ONCOLOGY

RESIDENCY: University of California at San Francisco

FELLOWSHIP: Research, National Institutes of Health, 1993 – 1996

FELLOWSHIP: Surgical Oncology, Memorial Sloan-Kettering Cancer Center, 1996 – 1998

Assistant Professor of Surgery, Loma Linda University, 1998 – 2002

Clinical Assistant Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2003 to present

Terry Sarantou, MD
SURGICAL FACULTY, DIVISION OF SURGICAL ONCOLOGY

RESIDENCY: Henry Ford Hospital

FELLOWSHIP: Surgical Oncology, John Wayne Cancer Institute, 1994 – 1997

Clinical Instructor in Surgery, University of Southern California, 1995

Medical Director, Cancer Center, Frye Regional Medical Center, 1997 – 2008

Clinical Associate Professor of Surgery, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2008 to present

Lynnette M. Schiffern, MD
ATTENDING SURGEON, TRAUMA/SURGICAL CRITICAL CARE AND ACUTE CARE SURGERY

RESIDENCY: University of Utah

FELLOWSHIP: Surgical Critical Care, University of Utah, 2005 – 2006

Clinical Assistant Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2007 to present
Ronald F. Sing, DO, FACS, FCCP
ATTENDING SURGEON, TRAUMA/SURGICAL CRITICAL CARE AND ACUTE CARE SURGERY

RESIDENCY: Graduate Hospital

FELLOWSHIP: Trauma and Surgical Critical Care, University of Pennsylvania, 1993 – 1995

Clinical Instructor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 1995 – 1997

Clinical Assistant Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 1997 – 2001

Clinical Associate Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2001 to present

Dimitrios Stefanidis, MD, PhD
MEDICAL DIRECTOR, CAROLINAS SIMULATION CENTER

PHD: University of Bonn, Germany, 1993 – 1998

RESIDENCY: University of Texas-San Antonio, 1999 – 2004; Aristotle University, Thessaloniki, Greece, 1998 – 1999

FELLOWSHIP: Advanced Laparoscopic and Bariatric Surgery, Carolinas Medical Center, 2005 – 2006

FELLOWSHIP: Minimally Invasive Surgery and Surgical Education Research, Tulane University, 2004 – 2005

Instructor, Department of Surgery, Tulane University Health Sciences Center, 2005

Clinical Assistant Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2007 to present
Philip A. Visser, MD, FACS
ATTENDING SURGEON, GENERAL SURGERY

RESIDENCY: University of Kansas

Clinical Assistant Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 1995 to present

Richard L. White, Jr., MD, FACS
CHIEF, SURGICAL ONCOLOGY
CO-DIRECTOR, CUTANEOUS MALIGNANCY PROGRAM

RESIDENCY: Georgetown University

FELLOWSHIP: Surgical Oncology, National Institutes of Health National Cancer Institute, 1993 – 1995

FELLOWSHIP: Immunotherapy, National Institutes of Health National Cancer Institute, 1992 – 1993

Clinical Assistant Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 1995 – 2003

Clinical Associate Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2003 – 2008

Clinical Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill, 2008 to present

Adjunct Professor of Bioengineering, Clemson University, 2006 to present
Robert J. Attorri, MD

CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Pediatric Surgical Associates, Charlotte

Clinical Assistant Professor of Surgery, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill

UNDERGRADUATE MEDICAL EDUCATION
University of Pennsylvania, 1980 – 1984

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, University of Michigan, 1984 – 1985
Residency: General Surgery, University of Michigan, 1985 – 1990
Fellowship: Pediatric Surgery, Children’s National Medical Center, 1990 – 1992

Daniel A. Bambini, MD, FACS

CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Pediatric Surgical Associates, Charlotte

UNDERGRADUATE MEDICAL EDUCATION
University of Kansas, 1987 – 1991

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, Carolinas Medical Center, 1991 – 1992
Residency: General Surgery, Carolinas Medical Center, 1992 – 1996
Fellowship: Transplantation and Pediatric Surgical Research, Children’s Memorial Hospital and Northwestern Memorial Hospital, 1997 – 1999
Fellowship: Pediatric Surgery, Children’s Memorial Hospital, 1999 – 2001
Jason S. Burgess, MD, FACS

CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Dilworth Surgical Specialists, Charlotte

UNDERGRADUATE MEDICAL EDUCATION
University of North Carolina at Chapel Hill, 1992 – 1996

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, New Hanover Regional Medical Center, 1996 – 1997

Residency: General Surgery, New Hanover Regional Medical Center, 1997 – 2001

Charles F. Collin, MD, FACS

CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Southeast Surgical Specialists, Charlotte

Clinical Assistant Professor of Surgery, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill

UNDERGRADUATE MEDICAL EDUCATION
Tulane University, 1971 – 1975

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, University of Virginia, 1975 – 1976
Residency: General Surgery, Emory University, 1977 – 1982
Fellowship: Surgical Oncology, Memorial Sloan-Kettering Cancer Center, 1982 – 1984

▲ Chief and senior residents, left to right: Steven Camp, MD, Eric Mallico, MD, Lamont Cathey, MD, Lauren Paton, MD, Heath Beckham, MD, Dan Ishell, MD
Michael W. Dobson, DO
CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Dilworth Surgical Specialists, Charlotte

UNDERGRADUATE MEDICAL EDUCATION
University of Health Sciences College of Osteopathic Medicine, 1996 – 2000

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, Northside Hospital and Heart Institute, 2000 – 2001
Residency: General Surgery, New Hanover Regional Medical Center, 2001 – 2006
Fellowship: Colorectal Surgery, Cleveland Clinic Foundation, 2006 – 2007

Charles D. Harr, MD, FACS
CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Hawthorne Cardiothoracic and Vascular Surgeons, Charlotte
Clinical Assistant Professor of Surgery, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill

UNDERGRADUATE MEDICAL EDUCATION
Bowman Gray School of Medicine, 1979 – 1983

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, North Carolina Baptist Hospital, 1983 – 1984
Residency: General Surgery, North Carolina Baptist Hospital, 1984 – 1988
Fellowship: Robert Cordell Cardiothoracic Surgery Research Fellowship, 1988 – 1989
Fellowship: Cardiothoracic Surgery, North Carolina Baptist Hospital, 1989 – 1991

Brian L. Jerby, MD, FACS, FASCRS
CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Charlotte Colon and Rectal Surgery Associates, Charlotte

UNDERGRADUATE MEDICAL EDUCATION
University of South Carolina, 1988 – 1992
Brian L. Jerby, MD, FACS, FASCRS (continued)

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, Carolinas Medical Center, 1992 – 1993

Residency: General Surgery, Carolinas Medical Center, 1993 – 1997

Fellowship: Laparoscopic Intestinal Surgery, Cleveland Clinic Foundation, 1997 – 1998

Fellowship: Colon and Rectal Surgery, Washington University, 1998 – 1999

John G. Morrison, MD, FACS, FASCRS

CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Charlotte Colon and Rectal Surgery Associates, Charlotte

UNDERGRADUATE MEDICAL EDUCATION

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, Vanderbilt University, 1981 – 1982

Residency: General Surgery, Vanderbilt University, 1982 – 1987

Fellowship: Colon and Rectal Surgery, Ochsner Clinic Foundation Hospital, 1987 – 1988

Fellowship: Colon and Rectal Surgery, Royal Melbourne Hospital, 1988

Duncan Morton, Jr., MD, FACS

CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Pediatric Surgical Associates, Charlotte

Clinical Associate Professor, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill

UNDERGRADUATE MEDICAL EDUCATION
University of North Carolina at Chapel Hill, 1962 – 1966

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, North Carolina Memorial Hospital, 1966 – 1967

Residency: General Surgery, North Carolina Memorial Hospital, 1967 – 1968


Fellowship: Research, National Institutes of Health, University of Arizona, 1971 – 1972

Fellowship: Pediatric Surgery, Children’s National Medical Center, 1974 – 1975
Paul J. Orland, MD, FACS

CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Southeast Surgical Specialists, Charlotte

UNDERGRADUATE MEDICAL EDUCATION
University of Rochester, 1984 – 1988

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, University of Medicine and Dentistry of New Jersey, 1988 – 1989
Fellowship: Research, University of Medicine and Dentistry of New Jersey, 1990 – 1991
Fellowship: Vascular Surgery, St. Louis University Hospital, 1994 – 1995
Lee C. Pederson, MD, FACS

CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Charlotte Surgical Group, P.A., Charlotte

Clinical Assistant Professor of Surgery, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill

Clinical Specialist, University of Texas MD Anderson Cancer Center, 2001 – 2003

UNDERGRADUATE MEDICAL EDUCATION
University of Oklahoma, 1990 – 1994

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, University of Alabama, 1994 – 1995

Residency: General Surgery, University of Alabama, 1995 – 2001

Fellowship: Surgical Oncology, University of Texas MD Anderson Cancer Center, 2001 – 2003
Douglas M. Rosen, MD, FACS, FASCRS

CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Charlotte Colon and Rectal Surgery Associates, Charlotte

UNDERGRADUATE MEDICAL EDUCATION

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, University of Texas Southwestern/Parkland Memorial Hospital, 1997 – 1998
Residency: General Surgery, University of Texas Southwestern/Parkland Memorial Hospital, 1998 – 2002
Fellowship: Colon and Rectal Surgery, Ochsner Clinic Foundation Hospital, 2002 – 2003

Andrew M. Schulman, MSC, MD

CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Pediatric Surgical Associates, Charlotte

UNDERGRADUATE MEDICAL EDUCATION
SUNY Upstate Medical University, 1994 – 1998

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, University of Virginia, 1998 – 1999
Residency: General Surgery, University of Virginia, 1999 – 2005
Fellowship: Pediatric Surgery, Children’s Hospital and Regional Medical Center, Seattle, 2005 – 2007

Mark R. Swanson, MD, FACS

CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Dilworth Surgical Specialists, Charlotte
Clinical Assistant Professor of Surgery, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill

UNDERGRADUATE MEDICAL EDUCATION
University of Michigan, 1969 – 1973

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, University of Michigan, 1973 – 1974
Residency: General Surgery, University of Michigan, 1974 – 1975
Residency: Surgery, University of Texas-Galveston, 1975 – 1978
Peter S. Turk, MD, FACS

CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Carolina Surgical Clinic, Charlotte

Clinical Assistant Professor of Surgery, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill

Assistant Consulting Professor of Surgery, Duke University

UNDERGRADUATE MEDICAL EDUCATION
Indiana University, 1981 – 1985

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, University of Tennessee, 1985 – 1986
Residency: General Surgery, University of Tennessee, 1986 – 1990
Fellowship: Surgical Oncology, Brown University, 1990 – 1992

Robert D. Vaughn, Jr., MD, FACS

CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Dilworth Surgical Specialists, Charlotte

Clinical Associate Professor of Surgery, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill

UNDERGRADUATE MEDICAL EDUCATION
Meharry Medical College, 1972 – 1976

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, Georgetown University, 1976 – 1977
Residency: General Surgery, Georgetown University, 1977 – 1981
Kristin E. Wagner, MD, FACS

CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Charlotte Surgical Group, Charlotte

Clinical Assistant Professor of Surgery, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill

UNDERGRADUATE MEDICAL EDUCATION
Temple University, 1992 – 1996

POSTGRADUATE MEDICAL EDUCATION

Residency: General Surgery, George Washington University, 1997 – 1999

Research Fellowship: Surgical Research, George Washington University, 1999 – 2000


Fellowship: Surgical Endocrinology, Cleveland Clinic Foundation, 2002 – 2003
William W. Walker, MD, FACS, FASCRS

CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Charlotte Colon and Rectal Surgery Associates, Charlotte

UNDERGRADUATE MEDICAL EDUCATION
University of North Carolina, 1974 – 1978

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, University of Michigan, 1978 – 1979
Residency: General Surgery, University of Michigan, 1979 – 1984
Fellowship: Colon and Rectal Surgery, University of Minnesota, 1984 – 1985
James A. Watkins, MD, FACS

CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Dilworth Surgical Specialists, Charlotte

Clinical Assistant Professor of Surgery, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill

UNDERGRADUATE MEDICAL EDUCATION
Meharry Medical College, 1972 – 1976

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, Georgetown University, 1976 – 1977
Residency: General Surgery, Georgetown University, 1977 – 1981

Heidi Weilbach, MD, FACS

CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Dilworth Surgical Specialists, Charlotte

UNDERGRADUATE MEDICAL EDUCATION
Washington University, 1996 – 2000

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, Carolinas Medical Center, 2000 – 2001
Residency: General Surgery, Carolinas Medical Center, 2001 – 2005

Louis H. Zbinden III, MD, FACS

CURRENT PROFESSIONAL AND ACADEMIC APPOINTMENTS
Dilworth Surgical Specialists, Charlotte

Clinical Assistant Professor of Surgery, Department of Surgery, School of Medicine, University of North Carolina at Chapel Hill

UNDERGRADUATE MEDICAL EDUCATION
University of Texas-Southwestern, 1986 – 1990

POSTGRADUATE MEDICAL EDUCATION
Internship: General Surgery, Carolinas Medical Center, 1990 – 1991
Residency: General Surgery, Carolinas Medical Center, 1991 – 1995
## Visiting Professors Department of Surgery

### 2007

<table>
<thead>
<tr>
<th>AUGUST 9-10, 2007</th>
<th>SEPTEMBER 13-14, 2007</th>
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| **Robert Udelman, MD**  
Chairman, Department of Surgery  
Yale University School of Medicine  
New Haven, Connecticut | **Edward M. Barksdale, Jr., MD**  
Associate Professor of Surgery  
Children’s Hospital of Pittsburgh  
Pittsburgh |

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<tr>
<th>OCTOBER 11-12, 2007</th>
<th>NOVEMBER 29-30, 2007</th>
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| **Paul L. Marino, MD**  
Medical Director  
Saint Vincent’s Midtown Hospital  
New York | **Edward E. Cornwell, III, MD**  
Division of Critical Care and Trauma  
Johns Hopkins Hospital  
Baltimore |

### 2008

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<tr>
<th>JANUARY 10-11, 2008</th>
<th>FEBRUARY 7-8, 2008</th>
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| **John M. Cosgrove, MD**  
Chairman, Department of Surgery  
Bronx-Lebanon Hospital Center  
New York | **Richard C. Karl, MD**  
Professor and Chairman  
H. Lee Moffitt Cancer Center  
Tampa |

|-------------------|---------------|
| **Peter W. Blumencranz, MD**  
Medical Director  
Moffitt Morton Plant Cancer Care  
Clearwater, Florida | **Barry A. Salky, MD**  
Division Chief, Laparoscopic Surgery  
Mt. Sinai School of Medicine  
New York |

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*Barry Salky, MD, Professor of Surgery, Mount Sinai School of Medicine*
International Surgical Experience

In 1999, the Department of Surgery developed a relationship with the Hospital Mexico in San José, Costa Rica and began rotating fourth-year residents to Costa Rica for one month.

The purpose of this rotation is to offer our residents additional experience in the treatment of gastric cancer and in the technical issues relating to gastric resection. Since Costa Rica has one of the highest rates of gastric cancer worldwide, the opportunity of having our residents participate in this clinical experience is very important. The rotation in Costa Rica also gives our fourth-year residents an opportunity to visit other hospitals in Costa Rica and to gain additional experience in flexible endoscopy, laparoscopic surgery and other techniques offered in San José.

This rotation is supervised by Eduardo Flores, MD, FACS and takes place at Hospital Mexico in the capital city of San José. During the 2007-2008 academic year, our three fourth-year residents traveled to Costa Rica to participate in this program. This experience has also stimulated interest by other departments at Carolinas Medical Center to send residents to Costa Rica. Our international surgical experience program will also be important as we initiate an International Surgical Outreach Program at Carolinas Medical Center under the direction of Dr. Francis Robicsek.

This international surgical experience for our residents is a unique feature of the surgical program at Carolinas Medical Center.
Surgery Research Division

The purpose of the Surgery Research Division is to apply scientific experimentation to clinically relevant problems within the field of general surgery, to support the growth and development of experimental clinical programs for the treatment of disease and injury, and to advance Carolinas Medical Center (CMC) in the global medical research community. More succinctly, the division acts as a central hub where clinicians can bring their clinical problems to be modeled and investigated in the laboratory. The scientists, under the direction of Iain McKillop, PhD, work closely with physicians to provide an in-depth, multi-level analysis across the broad range of disease states encountered in the field of general surgery.

“We assist clinicians who encounter the day-to-day, unexplainable problems of clinical medicine to better understand those problems from a scientific standpoint on the genetic, protein or cellular level, from molecular biology to cellular biology and organ physiology to systemic biology,” explains Dr. McKillop, who joined the department in December 2007. “These experiments generate data of academic interest while maintaining direct translation to human clinical disease states.”

The division consists of three full-time scientists with PhDs, six technical staff members and clerical support staff. All full-time clinical faculty involved in research have academic appointments in the Department of Surgery at the University of North Carolina. Some have adjunct appointments in the Biology Department at the University of North Carolina at Charlotte. Research is carried out within Carolinas Medical Center and Cannon Research Center, a 58,000-square foot, fully-equipped research center on the CMC campus with an AAALAC-approved vivarium.
In addition to Dr. McKillop, recent recruits to the division include Eugene Sokolov, PhD, a molecular biologist and senior post-doctoral fellow, and David Foureau, PhD, a post-doctoral fellow who will work with Dr. Jonathan Salo on immunology cancer research projects. The division is also adding two additional graduate students in pursuit of their master’s and doctoral degrees, which will be awarded from the University of North Carolina at Charlotte.

To educate the researchers of the future, the division is currently developing an extensive undergraduate and graduate student teaching program in conjunction with the University of North Carolina at Charlotte. Currently, the research division leads or shares projects with two undergraduate biology honors students, two post-baccalaureate students, a master’s student and two PhD doctoral candidates. The research division also integrates with the Hepatopancreaticobiliary Fellowship Program, where fellows spend one year doing basic science and large animal research projects, and one year in clinical training.

Among the most significant roles of the research division is the support it provides for the research interests of the Department of Surgery faculty. Dr. McKillop’s group, which focuses on liver diseases, works closely with hepatobiliary surgeons Drs. David Iannitti and John Martinie. Other members of the department with whom the research team collaborates are Dr. Toan Huynh of the Trauma and Surgical Critical Care Division, who focuses on the role of systemic shock in organ failure, Dr. Susan Evans of the Trauma and Surgical Critical Care Division, who focuses on acute renal failure and Dr. Jonathan Salo of the Surgical Oncology Division, who focuses on immune responses and melanoma therapy.
Dr. Huynh's basic science studies focus on the effects of systemic inflammation on regional organ blood flow. Current research projects examine the mechanisms leading to changes in liver blood flow after trauma and severe infection. These experiments assess the pattern of gene expression, organ blood flow at the microcirculatory levels and oxygen transport in the liver. Dr. Huynh collaborates with Drs. Mark Clemens and Min Shin in the Department of Computer Science at the University of North Carolina at Charlotte. Using sophisticated assays for gene analyses, intravital video microscopy and complex computational methodologies, these investigators have gained further insight into the alteration of blood flow patterns during systemic stress.

Dr. McKillop recently received a federally-funded grant from the National Institutes of Health's National Institute of Alcohol Abuse and Alcoholism to study the affects of alcohol on liver cancer progression and the potential impact of plant-derived antioxidants in slowing these events. In 2008, he was invited to speak at two major national meetings: the Research Society on Alcoholism and the Federation of the American Society of Experimental Biology.

Dr. Sokolov recently received a grant from the Carolinas HealthCare Foundation to study the role of RGS proteins in hepatocellular carcinoma development and progression.

The team has also presented and had numerous research abstracts accepted for presentation at national and international meetings, including meetings of the Hepato Pancreato Biliary Association, the International Liver Cancer Association and the American Association for the Study of Liver Disease.
The Division of Gastrointestinal and Minimally Invasive Surgery

The Division of Gastrointestinal (GI) and Minimally Invasive Surgery is comprised of the Carolinas Laparoscopic and Advanced Surgery Program (CLASP), the Hepatobiliary Program and the Bariatric Program. Carolinas Medical Center's (CMC) drive to be a major clinical and academic player, in conjunction with tremendous administrative support, have led to the Division of GI and Minimally Invasive Surgery's spectacular growth. "It's been a phenomenal 10 years," says division chief Todd Heniford, MD, FACS. "It comes down to the support of the administration, which has considered our program very important as a spearhead for the growth of the institution, the support of the operating room staff and the research facilities; it comes down to the people."

The division had its beginnings in 1998 when CLASP was formed. In 2007, about 6,000 patients were treated by members of the Division of GI and Minimally Invasive Surgery. In that time, the faculty and fellow members of the division have published more than 310 manuscripts and book chapters, presented more than 450 abstracts worldwide and won 27 regional, national and international research awards including the prestigious Society of American Gastrointestinal and Endoscopic Surgeons research award, the American Hernia Society research award and the gold medal of the Southeastern Surgical Congress. In the last year alone, the division has brought in more than $2 million in research funds.

Critical to the success of the division has been the work of Research Director Amy Lincourt, PhD, Sue Rucho, RN, NP, and Judy Quesenberry, education coordinator for CLASP.

The education component of the division has experienced laudable growth as well. In 1999, the division had one laparoscopic fellow; in the 2008-2009 academic year, there will be eight fellows. As Dr. Heniford indicates, "These are all post-graduate fellows who have come to CMC's Division of GI and Minimally Invasive Surgery for one to two years of additional training, which in most cases will include a year of research. The division offers courses throughout the Carolinas several times a year that are attended by residents from essentially every program throughout the state. The division also focuses on training attending physicians who spend a day or two attending lectures, participating in direct observation in the operating room and learning from animate models in the animal laboratory. In the decade since the program's inception, more than 2,300 physicians from more than 35 states, 50 academic institutions and seven countries have visited the division for learning purposes.

Bariatric Surgery Program

Recently designated a Blue Cross/Blue Shield Center of Excellence, the Bariatric Surgery Program at Carolinas Medical Center was established to treat all patients who have weight issues which are significant enough to cause physiological co-morbidities and duress. Led by Division Director Keith Gersin, MD, FACS, in conjunction with the Carolinas Weight Management and Wellness Center, the program is uniquely positioned to offer both surgical and non-surgical treatments for obesity including behavior modification, exercise, pharmacological therapy/information sessions and group therapy in a solitary setting. As Dr. Gersin observes, "We are fortunate to be able to offer a bariatric program to the Charlotte area which provides both surgical and non-surgical options under the same roof."

The medical team uses a multi-disciplinary approach for the treatment of obesity and is directed by Dr. Gersin, Timothy Kuwada, MD, FACS, Director of the Bariatric Fellowship for CLASP and Dimitrios Stefanidis, MD PhD, bariatric
surgeon and Director of Surgical Simulation. The team also includes John Cleek, MD, Medical Director and bariatrician; John Tomcho, DO, bariatrician; Michael Friedland, MD, bariatrician; Connie Simms, RN, CBN, Center Director and surgical pathway coordinator; three registered dieticians; one mental health provider; various mid-level providers, nurses, office personnel and all employees of Carolinas Weight Management and Wellness Center. The center also has its own laboratory and a staff exercise/fitness trainer on site.

Although the program’s development is relatively recent – just a bit more than two years old – its growth has been phenomenal, increasing from only about 40 procedures performed two years ago to an expected 300 procedures in the coming year. In 2007, 517 new patients enrolled in the program – close to a 53 percent increase from 2006. Of those patients, 246 underwent bariatric surgical procedures, with 65 percent opting for Roux-en-Y gastric bypass and 35 percent receiving laparoscopic adjustable gastric banding. These numbers represent an increase of 293 percent from 2006.

The center’s bariatric team was also the first group in the United States to utilize an endoscopic device for the treatment of morbid obesity, as part of an FDA-sponsored, Institution Review Board-approved trial currently underway. The group is testing the Endobarrier™, an endoscopically delivered and retrieved device that bypasses the first part of the small bowel. In addition, the team is in the process of developing a treatment program for the surgical and non-surgical treatment of morbid obesity in adolescents.

Devoted to educating the physicians of tomorrow, the center currently has two bariatric fellows. They are also developing an extensive database in conjunction with the University of North Carolina at Charlotte for the surgical and medical patients in the bariatric program. As a result of the center’s involvement on the national level with various bariatric societies and committees, members of the physician team have been published in laparoscopic journals and have presented at major bariatric conferences.
The Hepatopancreaticobiliary Program

When David A. Iannitti, MD, FACS, was approached to join the Division of Gastrointestinal and Minimally Invasive Surgery as the Director of Hepatopancreaticobiliary (HPB) Surgery, he saw a field full of promise. "I assessed the situation—the hospital and its philosophy, the administration and physicians, the population and the further need for hepatobiliary surgeons—and felt that there was an opportunity here to build a nationally recognized program."

In the two years since he joined Carolinas Medical Center, Dr. Iannitti has succeeded in establishing one of the premier HPB programs in the United States. The program’s multi-disciplinary approach uses hepatobiliary surgery, gastroenterology, hepatology and liver transplantation, under the direction of Dr. Dan Hayes and colleagues, to address problems involving the liver, pancreas and bile ducts. Patients are afforded the latest technology in every available treatment of liver and pancreatic diseases, including interventional radiology, medical oncology and radiation therapy. The HPB program has also pioneered the development of technology for radiofrequency and microwave ablation, and is a global leader in the microwave ablation of liver tumors.

Growth of the program has been exponential. In the last year, increased regional and national referrals of patients with complicated HPB diseases have quadrupled patient volume. The HPB program also began a laparoscopic liver and pancreatic surgery program that will include robotics in the coming year.

The division’s faculty and staff grew demonstrably in 2007. Renowned transplant hepatologists Mark Russo, MD, and Stephen Zachs, MD, joined the team, as did Andrew Dries, MD, an expert in endoscopic ultrasound and therapeutic endoscopy and John Martinie, MD, a hepatobiliary surgeon and laparoscopic robotic surgery specialist. "There are only a handful of people in the world who perform laparoscopic robotic pancreatic surgery and Dr. Martinie is one of them," explains Dr. Iannitti.

Since education is a critical component of the division’s goals, an accredited two-year hepatobiliary surgery fellowship has been established. Currently there are only six such fellowships in the country. Fellows in this program spend their first year doing laboratory research and their second year doing clinical hepatobiliary surgery and liver transplantation in concert with the Division of Transplantation. Members of the HPB program are also participating in the establishment of a transplant hepatology fellowship in 2008 and a gastroenterology fellowship in 2009.
The division's educational outreach also includes regular courses for attending surgeons and trainees on advanced hepatobiliary surgery, particularly laparoscopic hepatobiliary surgery, laparoscopic pancreatpectomies, ablation techniques and robotic laparoscopic surgery. One of the division's premiere educational opportunities is Carolinas Medical Center's Annual Liver Course, a full-day continuing medical education (CME) symposium. Last year's conference, American Association for the Study of Liver Diseases (AASLD) Update, drew 150 attendees. The directors anticipate an even greater turnout for the 2008 conference, which will focus on HPB malignancies.

Faculty and staff in the HPB surgery program are participating in a variety of clinical trials in hepatology, hepatobiliary surgery, TheraSpheres® for hepatocellular carcinoma, SIR-Spheres® plus chemotherapy for hepatic malignancies and thermally-activated liposomal doxorubicin in combination with immediate ablation for hepatocellular carcinoma. In addition, a study of a combination of TheraSpheres® with doxorubicin eluting beads for hepatocellular carcinoma is planned.

The focus of the HPB surgery research fellow has been development of technology for radiofrequency and microwave ablation devices, novel intraoperative ultrasound image guidance systems and surgical bipolar sealing devices. Iain McKillop, PhD, Director of Surgical Research, and Eugene Sokolov, PhD, a post-doctoral fellow, are NIH-funded liver cancer researchers studying the role of Aquaporin 8 and 9 expression in the development of hepatocellular carcinoma.
Simulation Center

The simulation center, under the direction of Dimitrios Stefanidis, MD, PhD, gives residents and other clinicians an opportunity to sharpen their cognitive and surgical skills outside the operating room. According to Dr. Stefanidis, the simulation center “greatly minimizes the learning curve of new procedures in the clinical environment.” The year-old, multi-disciplinary simulation center recently acquired its own newly renovated procedural simulation suite, with state-of-the-art procedural simulators, in addition to the existing high fidelity human patient simulators.

“The mannequin-type simulators allow trainees to experience a clinical scenario, usually algorithm-based, where they can monitor vital signs such as breathing and blood pressure, and realize the consequences of their interventions,” Dr. Stefanidis explains. “At the end of the scenario, they can watch their videotaped performance and receive constructive criticism from their instructor. The simulation experience helps prepare physicians and medical students for their transition to the operating room, boosts confidence in their abilities and allows faculty to more objectively assess their technical skill,”

The simulation center is popular with surgical residents, nurses, members of the CRNA program and residents across a variety of specialties throughout Carolinas Medical Center. Early in 2008, the center hired Dawn Swiderski as center coordinator, Jim Jay as simulation specialist and Chirstina Acker as full-time staff assistant. With these dedicated personnel on hand, participation in the center has increased substantially.
“In 2008, we plan to develop and optimize skills curricula for all users, to expand our user groups and to attract outside users,” Dr. Stefanidis says. The center is also working to improve assessment tools for objective performance evaluation.

In the last year, the center has published five peer-reviewed articles on simulation-related topics and skills curriculum development, and given 12 presentations on simulation-related topics at national meetings. CMC also received a Center for Excellence in Surgical Education, Research and Training (CESERT) grant, awarded by the Association for Surgical Education.

According to Dr. Stefanidis, “It’s an exciting time in surgical education, and we are delighted to be part of this evolution in the way we train residents.”

**Division of Surgical Oncology**

The Division of Surgical Oncology, under the direction of division chief Richard White, Jr., MD, continued to grow throughout 2007. The number of patient encounters increased to 8,541, and members of the division performed 1,127 surgical procedures, including nearly 600 breast procedures and more than 100 major GI operations and 250 melanoma operations.

The division recently recruited a new faculty member, Terry Sarantou, MD, whose clinical interests include breast cancer, melanoma and endocrine surgery. Under the guidance of Drs. Jonathan Salo and John Martinie, the Blumenthal Cancer Center is expanding its multidisciplinary clinic. This clinic provides surgical and medical oncology evaluations of patients with GI malignancies in order to delineate comprehensive care plans. Goals for 2008 include expanding endocrine surgery and publishing the department's sentinel node experience in melanoma and breast cancer.

The division is currently working to reestablish its Avon Foundation grant. The original Avon grant facilitated the hiring of Grace Sauzier, RN, whose interactions with the Mecklenburg County Health Department (managed by Carolinas HealthCare System) and with the division's colleagues at Charlotte Radiology helped identify women at risk for being overlooked in an increasingly complex and multidisciplinary system. Community outreach activities, led by Kevin Plate of Blumenthal Cancer Center, systematically encourage the use of screening mammography in the community.

The division also continued its aggressive research presence in 2007. According to Dr. White, the division has been “a major contributor to a number of research trials,” including the inter-group RTOG Partial Breast Irradiation Trial and two major
neoadjuvant chemotherapy trials (NSABP B-40 and the NSABP B-41). Drs. Flippo-Morton and White are major contributors to the NSABP B-59 trial, in which bone marrow aspiration is compared to sentinel lymph node biopsy in an effort to determine the prognosis of patients with breast cancer.

“CMC is a significant contributor to the Sentinel Node Oncology Group,” Dr. White explains, “which is a consortium of approximately 30 melanoma centers that contribute to one of the world’s largest databases located at the University of Alabama.” A member of the consortium’s executive board and the board of the associated foundation, Dr. White, along with Research Associate Virginia Stell, presented at the International Sentinel Node Congress in Sydney, Australia on the largest reported series of melanoma patients to have undergone sentinel lymph node biopsy.

Dr. Teresa Flippo-Morton has become credentialed through the American Society of Breast Surgeons in breast ultrasound while Frederick Greene, MD, continues to serve as chairman of the American College of Surgeon’s Commission on Cancer. Dr. White continues serving as CMC’s Cancer Liaison Physician and is a member of the Cancer Liaison committee of the Commission on Cancer. In addition, he serves on the board of directors of the American Cancer Society’s South Atlantic Division.

Blumenthal Cancer Center was recently awarded network status in the Commission on Cancer Approvals Program, attesting to the quality of programs in CMC’s cancer network, which consists of CMC-Pineville, CMC-Mercy and CMC-University. Also indicating CMC’s excellence in oncology services, the Commission on Cancer awarded the program its prestigious Outstanding Achievement Award in 2007.

The division’s work in post-graduate education continues. The Sentinel Lymph Node course, successfully transformed into a preceptorship model, provides an excellent educational opportunity for practicing surgeons. To date, the course has enrolled 221 participants from 21 states and Canada.
Acute care surgery, a service line specifically dedicated to the care of emergency surgical patients, is a relatively new trend in surgical practice in the United States. Many believe that it is a significant step toward solving the problem of fragmentation of care, which plagues many institutions. Carolinas Medical Center’s Acute Care Division, under the direction of Gamal Mostafa, MD, FRCS, FACS, is a leader in the development of this continuity-of-care-based approach.

Launched four years ago, the division consolidates all surgical consultations and acute surgical problems into one service. In the past, there were three services covered by several surgical attendings. The division now consists of a core group of surgical attending physicians, including three trauma surgeons who care for various patients, including acute care surgical patients seen in the emergency department, in-house patients with surgical emergencies and patients sent to Carolinas Medical Center via the Regional Referral Program for tertiary and quaternary care.

A number of surgical residents, including two chief residents, rotate on the service; all are dedicated to the division and to providing excellent and consistent care, a commitment which has resulted in an improvement in outcomes. According to Dr. Mostafa, “This has encouraged a great deal of the referring physicians in the community and in the hospital here, whether private or faculty, to use the service for prompt response and consistent care.”
In addition to increasing the quality of care patients receive, the integrated acute care division gives residents valuable access to surgical training across a broad spectrum of surgical diseases. In many cases, residents encounter conditions that they might otherwise come across only by rotating on several different services. A wide variety of surgical pathology is seen. Surgical residents are involved in the whole care and management of acute care patients, from decision-making, pre-operative planning and treatment to postoperative care. “From the training standpoint, this has had a tremendous impact,” Dr. Mostafa observes. “Our residents have great responsibility in the care of these patients, which teaches them essential skills for managing their own services when they graduate.”

**Ambulatory Surgery**

The Ambulatory Care System is the outpatient component of the acute care service providing elective, non-emergent surgical care by referral. “Ambulatory care is also an important and unique service,” says Dr. Mostafa. “The majority of large academic institutions, where this acute care may be available do not have an outpatient referral component as part of their acute care surgical service.” Carolinas Medical Center’s ambulatory surgery services also see all the women with breast cancer and other breast diseases who are referred from the Mecklenburg County Department of Health.

Originally established in 1943 to provide care for the medically-underserved population of Mecklenburg County, the Ambulatory Care System has evolved to serve patients in 22 counties of North and South Carolina. In 2007, the system recorded 2,533 patient visits. Residents gain office experience and participate in office-based surgical procedures at
CMC-Myers Park, a medical office building located two blocks from the main hospital campus. They also receive hands-on experience with diagnoses and procedure coding, and with evaluation and management documentation requirements.

“I think this is the way to go in surgical training and patient care—to have dedicated surgeons for acute problems. What it comes down to is that this service has two legs to stand on,” Dr. Mostafa explains. “From the patient standpoint, it’s very comprehensive, consistent, prompt care. And from the surgical training standpoint, it’s unique and very efficient—having such a broad spectrum of training for surgical trainees is indispensable in this era.”

**Trauma, Surgical Critical Care and Acute Care Surgery**

Dedicated to the care of critically-injured patients, the F.H. “Sammy” Ross Jr. Trauma Center is the region’s only designated Level I Trauma Center. In addition, it serves as the referral destination for acute trauma patients in Mecklenburg County and the 14 surrounding counties of North and South Carolina. The center recently passed re-verifications by the American College of Surgeons and the State of North Carolina for status as a Level I trauma center. MedCenter Air supports the Ross Trauma Center with helicopter and fixed-wing aircraft, which are available for scene calls and inter-facility transfers.

The center is currently in the process of blending the acute care surgery program into the trauma and surgical critical care divisions. “With this shift, the center will provide trauma, surgical critical care and acute care surgery under one umbrella, covering all three services together 24/7,” explains the center’s medical director Michael Thomason, MD.

Core members of the center are Britt Christmas, MD, Susan Evans, MD, Toan Huynh, MD, David Jacobs, MD, William Miles, MD, Lynn Schiffern, MD, Ronald Sing, DO and Gamal Mostafa, MD, chief of acute care surgery. All are board certified in general surgery and have qualifications in surgical critical care through the American Board of Surgery. Philip Visser, MD, is a key member of the division in providing weekend coverage for the increasingly busy acute care surgery service.

Dr. Thomason will soon serve as the first trauma medical advisor to North Carolina’s Office of Emergency Medical Services (OEMS). In this position, he will have a role in advising the regulatory agencies for all trauma centers in the state.

Our trauma team is dedicated to regional trauma education and injury control programs, as well as the development, implementation and continuing improvement of guidelines for trauma patient care. All trauma faculty hold leadership positions in national organizations, including the American College of Surgeons Committee on Trauma, the American Association for the Surgery of Trauma, the Eastern Association for the Surgery of Trauma and the Society of Critical Care Medicine.

In 2007, the Ross Trauma Center provided care to more than 2,600 patients referred from other medical facilities in the region. Continuing its forward progression as a provider of care for the critically ill, Carolinas Medical Center opened a 29-bed surgical trauma intensive care unit (STICU) in November 2007. According to Dr. Thomason, “CMC is providing surgical critical care services for both trauma and non-trauma surgical patients, as well as acute care surgery. A significant number of the patients who are transferred to CMC for higher acuity and more complex problems end up in an ICU setting, and we manage those patients together with Dr. Mostafa, chief of the acute surgery service.”
Researchers in the trauma center's Laboratory for Basic Science study the effects of systemic inflammation on changes in regional blood flow. Current research projects examine the mechanisms leading to changes in liver blood flow after trauma and severe infection. These experiments assess the pattern of gene expression, organ blood flow at the microcirculatory levels and oxygen transport in the liver. Dr. Huynh collaborates with Dr. Mark Clemens in the Biology Department and Dr. Min Shin in the Department of Computer Science at the University of North Carolina at Charlotte. Using sophisticated assays for gene analyses, intravital video microscopy and complex computational methodologies, these investigators have gained further insight into the alteration of blood flow patterns during systemic stress. These research efforts have generated extramural and intramural funding.

The Trauma Center is also active in clinical research coordinated by Dr. Ron Sing. Our trauma faculty's research interests range from injury prevention, pre-hospital care and cardiopulmonary resuscitation to outcomes research. Dr. Huynh, in collaboration with Dr. Kayvan Najarian at the University of North Carolina at Charlotte, examines large population databases to create a tool for the effective triage and outcomes predictions for patients with traumatic brain injuries. Our trauma staff also collaborates with Carolinas Rehabilitation in examining the impact of acute care on outcomes in patients after traumatic brain injury.
The research interests of Dr. Thomason focus on trauma system development and the impact of regionalization of trauma care. Dr. Sing conducts projects dedicated to improving the care of trauma patients, which assess techniques in trauma surgery and the efficacy of therapeutic modalities in the intensive care unit. He also directs the summer student research initiative at CMC’s trauma center. Dr. Jacobs leads the research efforts in injury prevention for at-risk youth and adolescents. He also serves on the Eastern Association for the Surgery of Trauma Guidelines Committee for the advancement of geriatric trauma care. Dr. Miles studies the use of high frequency oscillatory ventilation in critically ill patients, while Dr. Evans examines the mechanisms and occurrence of renal failure in acutely injured patients. Dr. Schiffern investigates the efficacy of echocardiography in the assessment and resuscitation of cardiac performance after acute injuries, and Dr. Christmas has research interest in cirrhosis and obesity’s effects on outcomes.

The Transplant Program

As the only institution in western North Carolina and upstate South Carolina providing organ transplants, The Transplant Center offers patients an increasingly specialized, higher level of care. A division of the Department of Surgery, the Transplant Center continues to fulfill its mission of providing quality care to patients with end-stage renal, pancreas, liver and heart disease, and will soon be conducting live donor transplants in children.
“While we’ve been treating adolescents under the adult protocol, we haven’t done liver transplants in small children for years,” says Division Chief Daniel Hayes, MD. “But with the opening of the new Levine Children’s Hospital and the development of pediatric subspecialties, that goal has become a reality.” The center’s first liver transplant took place in April 2008, and was deemed quite successful.

The center has a rich history of excellence in patient care. The center’s interdisciplinary team includes transplant surgeons, transplant nephrologists, transplant hepatologists, certified clinical transplant coordinators, medical social workers, a nutritionist and a pharmacist. In addition, a PGY-2 surgery resident is assigned to be part of this team as an adjunct to his or her surgical education. Since 2003, four surgery residents from Carolinas Medical Center have pursued advanced training in a transplant fellowship program at the Mayo Clinic (Rochester) or the University of Minnesota. Divisional faculty includes Dr. Hayes, Paul Gores, MD, Lon Eskind, MD, Roger Denny, MD, and Vince Casingal, MD.

The Transplant Center is certified by Medicare and United Network for Organ Sharing (UNOS) to transplant kidney, pancreas, liver and heart for adults and kidney, and liver and heart for children. In 2007, a total of 212 organs in 203 patients were transplanted, including 138 kidneys, nine pancreas, 43 livers and 22 hearts.

**Pediatric Surgery Program**

The pediatric surgery program at Levine Children’s Hospital provides preoperative, operative and postoperative care for children with some of the most specialized surgical needs, while also teaching medical residents to be first-rate surgeons.

The specialty of pediatric surgery blossomed after World War II, along with advancements in anesthesia. In the mid-1970s, pediatric surgery became recognized as a specific specialty of general surgery and developed its own examination board for certification, requiring five years of general surgical training and an additional two years of pediatric training. Currently, only about 800 surgeons in the United States specialize in pediatric surgery.

The pediatric surgery program would have once been considered a community-based program, one not affiliated with a medical school. However, its inclusion in Carolinas Medical Center’s clinically-advanced, research-focused programs, has led to its development as a hybrid institution—indepen dent, but with a great deal of university influence and recognition.
In light of this status and to better deal with the complexities of pediatric care, Carolinas Medical Center opened Levine Children’s Hospital (LCH) in October 2007. LCH is a state-of-the-art facility dedicated to meeting the unique needs of pediatric patients throughout the Charlotte region and beyond. "CMC has always had a children's wing, but the addition of the Levine Children's Hospital opens many new and exciting opportunities for our department," says Dr. Morton. Seed money for the hospital was funded by a generous donation from Leon and Sandra Levine.

The program, which includes Robert J. Attorri, MD, and Daniel A. Bambini, MD, has expanded its core staff by adding a fourth surgeon, Andrew M. Schulman, MD, in 2007. The expectation is to add a fifth pediatric surgeon by 2009, and discussions are currently ongoing in the recruitment of two pediatric gastroenterologists. With the impending increase in staff, the program expects to expand their clinical research activities accordingly.

The training of future pediatric surgeons is an important aim of the program. Currently, each PGY-4 surgery resident acts as chief resident of the pediatric service for four months out of the academic year. Orthopaedic and general surgery interns all spend a month in rotation with the pediatric surgery program. At least three Department of Surgery graduates are currently completing or have completed pediatric surgery training following their surgery residency at CMC.

“Our emphasis has been on teaching residents to be excellent surgeons,” Dr. Morton explains, “with great cognitive ability and a lot of compassion sprinkled in.”
Community Service Activities 2007-2008

While the 2007-2008 year proved clinically successful for the Department of Surgery, it was also an opportunity for faculty and staff to continue the tradition of community service. Again this year, the annual fundraising campaigns for the United Way, Arts and Science Council and Children’s Miracle Network have continued to receive outstanding support from the department.

Also in 2007, Carolinas Medical Center took advantage of an opportunity to give back to the community by sponsoring Günther von Hagens’ BODY WORLDS: The Anatomical Exhibition of Real Human Bodies at Discovery Place in Charlotte. This extraordinary display of more than 200 authentic organs, organ configurations and a broad collection of whole-body plastinates offered an unprecedented view of the human body. General surgeons from the department, together with plastic, vascular, orthopaedic, urologic and cardiothoracic surgeons from Carolinas Medical Center, volunteered at the exhibition from mid-October through the first week of November, giving visitors an opportunity to ask medical experts questions about anatomy, health and the human body.

The Division of Trauma, Surgical Critical Care and Acute Care Surgery continued to sponsor a number of outreach activities with particular emphasis on injury prevention.

Nora Christian, RN, MSN, Pediatric Trauma Nurse Coordinator for the Hemby Pediatric Trauma Institute, collaborated with other members of the trauma service to coordinate the Think First program. This program works with middle and high school youth to emphasize the potentially disastrous consequences of engaging in hazardous behaviors such as driving while intoxicated, neglecting to wear a seat belt, riding a bike without a helmet and diving into shallow water. A similar program, developed by David Jacobs, MD, Division of Trauma, Surgical Critical Care and Acute Care Surgery, focuses on the life-altering and potentially deadly consequences of engaging in interpersonal violence. The Truth about Violence has been delivered to several hundred middle and high school students in the Charlotte-Mecklenburg Schools since the fall of 2006.

Dr. Jacobs continues to chair Carolinas Medical Center’s Violence Prevention Committee. He recently received the FBI Director’s Community Leadership Award largely in recognition for the work he has done through the committee. In March 2008, coinciding with National Youth Violence Prevention Week, the committee sponsored its third annual youth violence prevention conference, entitled Girls Gone Wild: the Rising Tide of Violence in Young Women. The event, attended by more than 300 people, was held in a local church and featured an all-North Carolina faculty of experts in the field of youth violence prevention. Lunch was prepared and served by the Junior Chefs Program, a youth leadership program sponsored by the Second Harvest Food Bank of Metrolina which provides mentoring relationships, life skills training and nutritional education to at-risk youth.
The committee continues to be quite active in its support and promotion of the ASK (Asking Saves Kids) Campaign, which encourages parents to inquire about the presence of guns in homes where their children play.

Patti Silverman, Administrative Assistant to Surgery Department Chairman Dr. Greene, headed a very successful departmental campaign for the 2008 Children’s Miracle Network. The campaign raised money for special equipment, beds, wheelchairs and more for children in Levine Children’s Hospital’s pediatric intensive care unit. The money was raised through generous pledges as well as a contest to guess the number of pieces of candy in a jar (2,600, which is the same as the cost of a wheelchair for the PICU), paying to wear jeans to work on Friday, and through the sale of cookies, lasagna slices and dishes of banana pudding.

Other members of the Division of Trauma, Surgical Critical Care and Acute Care Surgery have also made valuable contributions to the community. Will Miles, MD, was elected vice-chairman of the License to Give Trust Fund Commission, which is responsible for the distribution of funds collected by the DMV for the education of donation awareness and end-of-life decisions. He was originally appointed to this position by North Carolina Governor Mike Easley.
Ron Sing, DO, participated in end of year celebrations for the South Charlotte Middle School and Elizabeth Lane Elementary School. Division Director Mike Thomason, MD, continued to work with Davidson College students during the annual Great Day of Service at Davidson United Methodist Church to refurbish the Lake Norman Free Clinic Building. Susan Evans, MD, spent a September day building a house with Habitat for Humanity and will again provide pre-camp physicals at no charge to underserved children attending Camp Grier, sponsored by the First Presbyterian Church of Charlotte.

Rounding out the faculty community service activities are Phil Visser, MD, Richard White, MD, and Dimitrios Stefanidis, MD, PhD. Dr. Visser, a perennial volunteer and community activist, serves as Chairman of the Field Trips Committee for the Community School in Davidson and is a founding member of the Appalachian Center for Wilderness Medicine based in Morganton. Among other activities, the center offers advanced wilderness life support courses. Dr. Visser remains involved with disaster response activities, particularly the Special Operations Response Team.

Dr. White, Director of Surgical Oncology and a community leader in the fight against cancer, is the regional director of the American Cancer Society (ACS) Cancer Action Network and is a national member of the Breast Cancer Advisory Group to the ACS. He also serves as a lector at St. Gabriel’s Parish and as vice president of his homeowner’s association.

Dr. Stefanidis, Medical Director of Surgical Simulation, volunteered at Body Worlds’ “Ask the Doctor,” participated in the Diversity in HealthCare Physician Mentoring Program supervising high school students, supervised a college student internship, offered a laparoscopic skills training course to Davidson and UNCC college students and taught Greek folk dancing at St. Nektarios Greek Orthodox Church of Charlotte.

Fourth-year surgical resident, Jason Arru, MD, participated in his ninth year on staff and his 18th year of overall involvement with Camp Hendon at Crooked Creek, an overnight summer camp for children with diabetes in Bardstown, Kentucky. In addition to supervising swimming, waterskiing, archery, arts/crafts, team sports and various other outdoor activities, Dr. Arru assisted campers with testing their blood sugar, giving insulin injections and making dosing adjustments, as well as instructing them in diabetes management.

As always, the upcoming year will present great challenges for our community; our department remains committed to working both inside and outside the walls of Carolinas Medical Center to enhance the quality of life for the citizens of Charlotte-Mecklenburg and beyond.
RESEARCH AWARDS

Mallico EJ, Christmas AB, Bogart TA, Burris G, Sing RF. A paradigm shift in the approach to families for organ donation: Honoring the patient’s wishes versus request for permission in patients with DMV designations. North Carolina Chapter, American College of Surgeons Committee on Trauma Resident Paper Competition, Asheville, NC, July 6, 2007. 2nd Place Resident Research Award


Schmelzer TM, Sing RF, Mostafa G, Huynh TT, Heniford BT. The effect of hemorrhagic shock on differences in arterial and venous blood gases in a rabbit model. North Carolina Chapter, American College of Surgeons Committee on Trauma Resident Paper Competition, Asheville, NC, July 6, 2007. 1st Place Basic Science Research Award


OTHER AWARDS

Christmas AB. Eastern Association for the Surgery of Trauma Leadership Course Awardee, Eastern Association for the Surgery of Trauma, January 2008.

Jacobs DG. 2007 Director’s Community Leadership Award. Presented by the Federal Bureau of Investigation Charlotte Division for Dr. Jacobs’ work with youth violence prevention.

Miles WS. Physician of the Year Award. Presented by the North Carolina Society for Respiratory Care to the physician contributing the most to furthering the educational principles of respiratory therapists in North Carolina.


White RL. America’s Top Doctors for Cancer, 2007, Castle Connolly Medical Ltd.
PEER REVIEWED JOURNAL ARTICLES
AND LETTERS TO THE EDITOR


Schmelzer TM, Perron AD, Thomason MH, Sing RF. 


Stefanidis D, Acker EC, Heniford BT. Proficiency-based laparoscopic simulator training leads to improved operating room skill that is resistant to decay. Surg Innov 2008;15:69-73.

Stefanidis D. Implications of proficiency-based simulator training for resident training. Focus on Surgical Education 2008;24:24-25.


EDITORIALS


BOOK CHAPTERS BY FACULTY AND STAFF


INVITED PRESENTATIONS AND LECTURES

Camp SM, Christmas AB, Barrett MC, Schmelzer TM, Huynh TT, Thomason MH, Sing RF. Removal of erythropoietin from an anemia trauma practice guideline decreases hospital costs and does not increase red blood cell transfusions. North Carolina Chapter, American College of Surgeons Committee on Trauma Resident Paper Competition, Asheville, NC, July 6, 2007.


Greene FL. Future issues in staging of colorectal cancer. 19th Annual Cleveland Clinic Colorectal Course, Fort Lauderdale, FL, February 14-15, 2008.

Greene FL. Minimal access management of GIST of the foregut. Minimal Access Approaches for the Foregut, Cleveland Clinic, Coral Gables, FL, February 18, 2008.

Greene FL. Staging of cancer – Anatomical and molecular markers. Surgical Grand Rounds, Department of Surgery, University of Nebraska, Omaha, NE, March 12, 2008.


Heniford BT. Advances in hernia treatment. Session Coordinator, Brazilian Congress of Surgeons, Belo Horizonte, Brazil, July, 2007.


Heniford BT. The art and science of repairing the abdominal wall: Where’s the science? Grand Rounds, Baylor Department of Surgery, Houston, TX, November, 2007.

Heniford BT. Laparoscopic resection of the gastric gastrointestinal stromal tumors. Resident Rounds, Baylor Department of Surgery, Houston, TX, November, 2007.

Heniford BT. Fifty years of biomaterials: What have we learned? Grand Rounds, University of Texas at Houston, Houston, TX, November, 2007.


Huynh TT. Information integration and clinical decision making. Grand Rounds, Computer Science Department, Virginia Commonwealth University, Richmond, VA, October 24, 2007.


Jacobs DG. Getting involved with organ donation: A trauma surgeon’s perspective. Indiana Trauma and Surgical Critical Care Symposium, Indianapolis, IN, November 2, 2007.


Miles WS. Innovations in high frequency oscillatory ventilation: What’s new in our world? Texas State Respiratory Therapy Association, Austin, TX, September, 2007.

Miles WS. Overview of high frequency oscillatory ventilation in the trauma and critically ill surgical patient. High Frequency Oscillation Conference, Orlando Regional Medical Center, Orlando, FL, December, 2007.

Miles WS. Pitfalls and procedures in the use of high frequency oscillatory ventilation. High Frequency Oscillation Conference, Orlando Regional Medical Center, Orlando, FL, December, 2007.


Sing RF. Integrating research into the surgical residency program. American College of Osteopathic Surgeons, San Francisco, CA, October 18, 2007.


Sing RF. Vena cava filters in the ICU: Insertion and management. Society of Critical Care Medicine, Honolulu, HI, February 5, 2008.


Stefanidis D. Developing learning programs using simulators. Department of Surgery Faculty Day, UNC AHEC Medical Faculty Day, Chapel Hill, NC, August 31, 2007.

Stefanidis D, Heniford BT. Proficiency-based laparoscopic simulator training leads to improved operating room skill that is resistant to decay. 2007 MODSIM World Conference, Virginia Beach, VA, September 11, 2007.


Walters KC, Paton BL, Barrett C, Christmas AB, Jacobs DG, Sing RF. Failure of dexmedetomidine to facilitate extubation in trauma intensive care unit patients. North Carolina Chapter, American College of Surgeons Committee on Trauma Resident Paper Competition, Asheville, NC, July 6, 2007.


White RL. The Importance of incorporating ACS programs and services into your facility. American College of Surgeons Web Conference, May 27, 2008.

White RL. How CLPs can become more involved in ACS activities. American College of Surgeons Web Conference, May 27, 2008.


RESEARCH PRESENTED AS POSTERS


Evans SL, Bhensdadia NM, Barrett C, Norton HJ, Huynh TT. *The upshot of the rifle criteria in trauma.* Society of Critical Care Medicine, Honolulu, HI, February 2-6, 2008.

Evans SL, Wiebe DJ. *The incidence of rib fractures increases with age, and obesity.* Society of Critical Care Medicine, Honolulu, HI, February 2-6, 2008.


Mallico EJ, Schmelzer TM, Bambini DA, Huynh, TT. *Distribution of ethnicity and insurance status for hypertrophic pyloric stenosis between two healthcare systems in a southeast metropolitan region.* Southeastern Surgical Congress Birmingham, AL, February 9-12, 2008.


Newcomb WL, Hope WW, Schmelzer TM, Norton HJ, Head C, Christmas AB, Heniford BT, Sing RF. *Non-operative management of splenic injuries in head injured patients: Data from a local trauma registry.* Southeastern Surgical Congress, Birmingham, AL, February 9-12, 2008.


Tartt JE, Wheeler DS, Stefanidis D. A simulator-based ACLS course is favored by residents and more effective over traditional teaching. 8th Annual International Meeting on Simulation in Healthcare, San Diego, CA, January 14-16, 2008.


PODCASTS


VIDEO/DVD PRESENTED


OTHER ACTIVITIES


Heniford BT. Editorial Board, Surgery.

Huyhn TT. President, Society of Critical Care Medicine, Carolinas/VA Chapter, 2007-2008.

Iannitti DA. Editorial Board, Journal of Interventional Oncology.


Kercher KW. Surgical Professionalism Award presented by the Department of General Surgery, 2007.

McKillop IH. Invited reviewer, Cancer Research and Clinical Cancer Research.

Miles WS. Abstract reviewer. Society of Critical Care Medicine Scientific Symposium.

Miles WS. Society of Critical Care Medicine National Fundamentals of Critical Care Support Committee.

Miles WS. National consultant for Fundamentals of Critical Care Support of the Society of Critical Care Medicine.

Miles WS. Fellow of the American Professional Wound Care Association.


Schiffern LM. Board certification, perioperative transesophageal echocardiography.

Sing RF. Medical Director, Metrolina Trauma Advisory Committee State Medical Assistance Team, 2007.


Stefanidis D. Southeastern Surgical Congress poster Grand Rounds professor, Birmingham, AL, February 9-12, 2008.


Thomason MH. MEDIC Medical Control Board Chairman, 2007.

Thomason MH. North Carolina Chapter American College of Surgeons, Board of Directors, 2008 and Vice President, 2008.

White RL. American Cancer Society, Southeastern Regional Board of Directors, 2007-2010.
