

FACULTY

William R. Andrews, MD

Assistant Professor of Anesthesiology/
Critical Care Medicine

Medical School: University of Western Ontario
Residency: Beth Israel Medicine Center
Fellowship: University of Western Ontario
Board: Anesthesiology, Critical Care
Certification:
Interests: Quality improvement methods;
Critical Care education; Health policy

David L. Bowton, MD

Professor and Section Head, Critical Care Medicine

Medical School: University of Illinois
Residency: NC Baptist Hospital
Fellowship: Bowman Gray School of Medicine
(now WFU School of Medicine)
Board: Internal Medicine, Pulmonary
Certification: Disease, Critical Care
Interests: Hospital/VAP; Asthma; Glycemic
Control; Respiratory Care

Elizabeth C. Deterding, MD

Clinical Assistant Professor of Anesthesiology/
Critical Care Medicine

Medical School: University of North Carolina
Residency: Duke University, Moses Cone
Hospital
Fellowship: WFU School of Medicine
Board: Internal Medicine, Nephrology,
Certification: Critical Care
Interests: Acute Kidney/CRRT in the ICU

Rajay K. Jain, MD

Assistant Professor of Anesthesiology/
Critical Care Medicine

Medical School: Bombay University
Residency: Mercy Catholic Medical Center
Fellowship: WFU School of Medicine
Board: Internal Medicine
Certification:
Interests: Coagulopathy in the Critically Ill;
Hemodynamic Monitoring in the ICU

Jeffrey S. Kelly, MD

Associate Professor of Anesthesiology/
Critical Care Medicine

Medical School: Medical College of Ohio
Residency: NC Baptist Hospitals, Inc.
Fellowship: Bowman Gray School of Medicine
(now WFU School of Medicine)
Board: Emergency Medicine,
Certification: Anesthesiology, Critical Care
Interests: Cardiopulmonary resuscitation;
Anaphylaxis; Conscious Sedation

Drew A. MacGregor, MD

Associate Professor of Anesthesiology/
Critical Care/Internal Medicine/ Pulmonary Critical Care

Medical School: University of Utah
Residency: St. Vincent Hospital, Portland OR
Fellowship: Bowman Gray School of Medicine
(now WFU School of Medicine)
Board: Internal Medicine, Critical Care
Certification:
Interests: Code Blue/ACLS; Mechanical
ventilation; Pressors/Inotropes

Kristi L. Tucker, MD

Assistant Professor of Neurology and
Anesthesiology/Critical Care Medicine

Medical School: WFU School of Medicine
Residency: WFU School of Medicine – Adult
Neurology
Fellowship: Johns Hopkins – Neuro-critical Care
Board: Adult Neurology and subspecialty of
Certification: Vascular Neurology
Interests: Neuro-critical care, ethics,
communication with families in ICU,
neurologic complications of medical
illness

Vidula Vachharajani, MD

Assistant Professor of Anesthesiology/
Critical Care Medicine

Medical School: Grant Medical College
Residency: Louisiana State University
Fellowship: Louisiana State University
Board: Internal Medicine, Critical Care
Certification:
Interests: Sepsis

Department of Anesthesiology
Wake Forest University School of Medicine
Medical Center Boulevard
Winston Salem, NC 27157-1009

(336) 716-6533
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WAKE FOREST
UNIVERSITY®
SCHOOL of MEDICINE
THE BOWMAN GRAY CAMPUS

Department of Anesthesiology

CRITICAL CARE FELLOWSHIP



Accredited by the
Accreditation Council for Graduate Medical Education

OVERVIEW

The Critical Care Fellowship Program offered through the Department of Anesthesiology, Section on Critical Care at Wake Forest University School of Medicine accepts physicians who have completed training in Anesthesiology, Internal Medicine, and sub-specialties of Surgery and Internal Medicine. Former fellows have had diverse specialty interests, including: Cardiology, Emergency Medicine, Endocrinology, Infectious Disease, Nephrology, Obstetrics and Gynecology, and Pulmonary Medicine.

Accredited by the Accreditation Council for Graduate Medical Education (ACGME), fellowships are for one- or two-year durations, depending upon Board requirements. Successful completion of the fellowship qualifies the fellow to sit for the Anesthesiology or Internal Medicine Critical Care Medicine boards.

Standards of ACGME accreditation, as well as the professional goals of each fellow, are combined to tailor a structured and individualized fellowship. To help develop the fellow's skills as a critical care physician, rotations in the following clinical areas are an integral part of the fellowship: cardiothoracic intensive care unit (ICU), neurosurgical ICU, trauma ICU, medical ICU, coronary care unit, and operating room (non-anesthesiologists). Elective rotations might include: pediatric ICU, burn unit, and transesophageal echocardiography.

Each fellow will spend a minimum of three months performing research under the guidance of one or more faculty. Two-year fellows generally spend at least six months on research rotations. It is anticipated that each fellow will complete and submit at least one peer-reviewed abstract or article for publication.

Didactic lectures for medical students, house officers, and fellows are conducted by the Anesthesiology Critical Care faculty and fellows three days per week on a variety of topics relevant to critical care. Additionally, Critical Care Grand Rounds is conducted weekly, and is led by one or more faculty, house officers, fellows, or guest lecturers on a dedicated topic or topics relevant to critical care.

EDUCATIONAL OBJECTIVES

Clinical

- Co-management of postoperative patients in adult ICUs.
- Improve knowledge of multiple types of mechanical ventilators.
- Understand the underlying pathophysiology and management of the critically-ill patient, from both surgical and medical perspectives.
- Supervise residents and medical students in placement of invasive monitoring catheters.
- Develop familiarity with management of the hemodynamics of the post-bypass patient, including the use of inotropic and antiarrhythmic medications, as well as intra-aortic balloon pumps and assist devices.
- Responsible for the evaluation and management of patients in the medical ICU under the guidance of the attending physician.
- Improve knowledge of and manage various shock states, respiratory failure, infectious diseases, and immunosuppression.

Academic

- Supervise and participate in the daily teaching of residents and medical students in informal settings and on rounds.
- Strengthen presentation preparation and speaking skills by giving critical care lecture series and Grand Rounds lectures during the year.

- Develop and deliver at least one formal lecture to residents and medical students.
- Participate in monthly Journal Club.
- Attend all critical care lectures and pertinent pulmonary and anesthesiology conferences.

Research

- Develop the ability to formulate a clinical hypothesis.
- Develop a project design and feasible study protocol for submission to Institutional Review Board.
- Develop an understanding of the nuances of human subject research, including responsible use of informed consent, research methodology, and interpretation of data.
- Participate in ongoing studies and complete at least one research project.
- Develop an understanding of the basic techniques of statistical analysis.
- Prepare an abstract and a manuscript.
- Present research findings at a national meeting. One-year fellows present an abstract; two-year fellows should have a peer-reviewed publication.
- Develop the skills necessary to analyze the research of other investigators.

PROGRAM DESIGN

Required:

- 2-4 months in the neurosurgery ICU
- 2-4 months in the cardiothoracic ICU
- 2-4 months in the medical ICU
- 1-2 months in the trauma ICU
- 1 month in the coronary care unit
- 2-3 months in research
- 4 weeks vacation/meeting time

Elective:

- 1 month in the pediatric intensive care unit
- 1 month in echocardiography
- 1 month in the operating room (non-anesthesiologists)

FACILITIES

The Wake Forest University School of Medicine and The North Carolina Baptist Hospitals, Inc. compose The Wake Forest University Baptist Medical Center, a tertiary referral center that primarily serves a 26-county region in northwestern North Carolina and southwestern Virginia. The Medical Center has served patients from 91 North Carolina counties, 39 other states, and several foreign countries. A Level I Trauma Center, the Medical Center is licensed for 804 beds (including 75 adult ICU beds), and experience over 30,000 inpatient and 15,000 day hospital admissions, 70,000 emergency outpatient visits, and 500,000 other outpatient visits. The Brenner Children's Hospital, a 138-bed "hospital within a hospital," serves young critically- or chronically-ill patients. For more information and statistics, visit our website at:

<http://www1.wfubmc.edu/>.

CONTACT INFORMATION

William R. Andrews, MD

Fellowship Director for Anesthesiology/
Critical Care

Drew A. MacGregor, M.D., FCCP

Fellowship Director for Internal Medicine/
Critical Care

Department of Anesthesiology
Medical Center Boulevard

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<http://www1.wfubmc.edu/anesthesiology/Education/Fellowships/index.htm#cc>



Wake Forest University Baptist
MEDICAL CENTER®

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APPLICATION FOR CRITICAL CARE FELLOWSHIP

Please specify the appropriate Critical Care fellowship: Anesthesiology Internal Medicine
Would like to begin fellowship (check month and year): July January / 2011 2012
Desired duration of fellowship: One year Two years

Full Name: _____

Present Street Address: _____

City: _____ State: _____ Zip: _____

Permanent Address: _____

City: _____ State: _____ Zip: _____

Telephone: Home: (____) _____ Work: (____) _____

Fax: (____) _____ E-mail address: _____

Place of birth: _____ DOB: _____ Citizenship: _____

If a U.S. citizen, please provide the last 4 digits of your Social Security Number: _____

Government obligations (public health service, etc.): _____

Premed Education (include colleges, degrees, dates): _____

Medical School (college(s) and dates): _____

Achievements (awards, honorary societies, etc.): _____

Post Graduate Experience/Dates (internship, residency, fellowship, clinical practice): _____

Previous Clinical Care Experience/Dates: _____

Do you have a full license to practice medicine? Yes No State: _____

Are you Board Certified? Yes No If yes, specify ACGME Board: _____

Future Plans: Teaching Private Practice Generalist Research Specialist

Comments: _____

** Ask the Dean of your medical school, plus Three (3) other individuals, to send a letter of recommendation. Please list the names, titles, addresses, and telephone numbers of the individuals who will write letters.

1. _____
Name Title Name of Medical School

2. _____
Name Title Name of Medical School

3. _____
Name Title Name of Medical School

4. _____
Name Title Name of Medical School

Send application and supporting documents to:

William Andrews, MD (if applying for Anesthesiology/Critical Care Fellowship)
Drew MacGregor, MD, FCCP (if applying for Internal Medicine/Critical Care Fellowship)

Critical Care Fellowship Program – Department of Anesthesiology
Wake Forest University School of Medicine
Medical Center Boulevard
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