



Quality Care
Quality Education

Regions Hospital Emergency Medicine Residency Program
2007 Annual Report

Program History

Robert Knopp, MD founded the Regions Hospital Emergency Medicine Residency in 1994. Before arriving in St. Paul, he served 17 years as the residency director at Valley Medical Center in Fresno, California. The first class of residents at Regions began their training in 1996. Felix Ankel, MD has been involved with the residency program since its inception and became residency director in July 2000.

As of July 2007, the EM residency has graduated 72 residents from 25 medical schools who now practice in 15 states. Regions faculty are graduates of 14 different EM residencies.

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The class of 2010

Letter from the Director



It's a pleasure to present the 2007 Regions Hospital Emergency Medicine Residency annual report

and share our accomplishments over the past year.

We have remained steadfast in our residency's mission since its inception: to provide and promote excellence in patient care and education. Our residency efforts are guided by the Baldrige Educational Criteria for Performance Excellence (www.quality.nist.gov). These include best practices in the following areas: leadership, strategic planning; student, stakeholder, and market focus; measurement, analysis, and knowledge management; workforce focus; process management; and results.

Our residency benefits from the leadership and vision of our department head, Brent Asplin, MD, MPH. Dr. Asplin brings a wealth of experience to our department from his national work with the Institute of Medicine's report on the future of emergency care, incorporating the goals of the IOM reports into our residency curriculum, clinical operations and research programs.

We actively recruit resident applicants that wish to contribute to emergency medicine beyond clinical shifts. We salute our residents that

are involved in leadership activities, locally and nationally.

- Tara O'Connell ('09) has been an instrumental force in the Association of Independent Academic Medical Centers' National Initiative: Improving Patient Care Through Graduate Medical Education (www.aiamc.org). This has facilitated broadening our residency's focus to incorporate national patient safety and quality initiatives.
- Kelly Barringer ('08) is serving on SAEM's GME committee.
- Lane Patten ('07), authored a chapter in the new edition of the SAEM's Academic Career Guide while on the GME committee.
- Beth Wicklund ('07) continued to serve on the editorial board of EM Practice and spent a month as a medical news intern with ABC.
- Sandy Fritzlzar ('07) continued to serve on the board of directors of the HealthPartners Institute for Medical Education.
- Jon Shultz ('08) continued his service as board member of AAEM-RSA.
- Joey Charles ('08), a member of ACEP's Education Committee, was selected to attend the ACEP advocacy conference in Washington, DC.
- Emily Mason ('07) received the University of Minnesota's Arnold P. Gold Humanism and Excellence in Teaching Award.

We have solidified our partnership with the Department of Emergency Medicine at the Facultad de Medicina de la Universidad Central in Quito, Ecuador. Martin Klinkhammer ('07) spent a month during his senior year educating EM residents of Quito with Drs. Carson Harris, Matt Morgan ('05) and Christopher Obetz ('03). In the fall of 2007, we hosted two visiting Ecuadorian EM residents for a month.

In 2007 we welcomed additions to our faculty and residents. Our residency leadership now includes Drs. Rachel Dahms, Cullen Hegarty, Matthew Morgan, and Stephanie Taft as assistant residency directors. Drs. Henry Ortega and Sam Reid, both fellowship-trained pediatric emergency physicians, have joined our residency faculty.

We matched another competitive class of residents featured in this report. We are grateful for the support of so many residency partners and feel fortunate for the opportunity to train the next generation of emergency medicine practitioners. Quality care and quality education go hand in hand. It is an honor to be part of a healthcare community where patient care and education are in the forefront.



Felix Ankel, MD
Director, Regions Hospital
Emergency Medicine
Residency Program

Department Head Update



The Regions emergency department (ED) had another successful year in 2007, and one of the most

important reasons for this success was the many contributions of our residency training program. The program continues to be a cornerstone for clinical excellence and academic productivity in the department, and I am honored to be associated with it. Each year I enjoy meeting with our residency program applicants. It is exciting to see that emergency medicine continues to attract the best and brightest medical students to the specialty. This fact bodes well for the future of our specialty and for the future of emergency care.

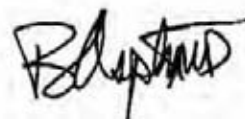
One reason I enjoy meeting with applicants is the opportunity to highlight the many accomplishments of the faculty physicians at Regions. In 2007, Dr. Robert Knopp and Dr. Cullen Hegarty were honored by HealthPartners Medical Group for outstanding achievements in clinical care and teaching. Dr. Felix Ankel served on the Alliance of Independent Academic Medical Centers' (AIAMC) national initiative to improve patient care through graduate medical education. Dr. Brad Gordon was named the medical

director of informatics for Regions Hospital, and recently completed a K-22 Research Career Award from the National Library of Medicine. During the past two years, Dr. Karen Quaday played an important role as Chief of Staff for Regions Hospital. We also welcomed Drs. Emily Binstadt, Matt Morgan, Stephanie Taft, Jason Gengerke and Keith Henry to the faculty. Dr. Binstadt is focusing on simulation curriculum development and Dr. Morgan and Dr. Taft are assistant program directors for the residency. In addition, we had excellent achievements in our clinical toxicology, ultrasound, EMS, research, simulation, operations and sexual assault nurse examiner programs.

Regions Hospital is in the middle of a major expansion that will triple the

size of the emergency department. As we go through the construction process, one of our key goals is to make sure we are building more than just a new building. Using the talents of the more than 300 dedicated professionals who work in our department, we are committed to building a better emergency care system for tomorrow. I believe we have the right people and the right organization to make this a reality, and I look forward to our progress during the coming year.

Best wishes for a successful 2008.



Brent Asplin, MD, MPH
Department Head
Emergency Medicine



Expansion 2009

Emergency Center Operations

The Regions Hospital Emergency Center is a Level I Trauma Center located in St. Paul, Minnesota, serving the east metropolitan Twin Cities area, including western Wisconsin. Today, the emergency department (ED) is comprised of almost 19,200 square feet of clinical space with 49 treatment rooms. There is also an additional 8,000 square feet that house a library, conference space and support service offices.

The latest approximate Emergency Center figures are as follows:

- 67,000 patient visits per year
- 11 percent pediatric patients (age 16 or under)
- 3,100 trauma admissions
- 730 trauma team activations each year
- 23 percent admission rate
- 60 percent of all hospital admissions come from the ED

According to projected growth estimates, the Emergency Center will serve an additional 20,000 to 25,000 patients annually by 2015. Since the current operating space best serves about 60 percent of today's emergency need, a significant expansion of the Emergency Center is crucial. The ED, according to current plans, will have a 45,000-

gross-square-foot area to serve the needs of an estimated 85,000 patients annually. The Emergency Center remodel will be rolled out in several phases. In 2009, the Emergency Center will see the addition of a new ambulatory entrance encompassing a welcome center/waiting room, an 8-bed fast track care area, a 10-bed critical care area and an 11-bed behavioral health unit.

When the expansion is complete, the Emergency Center will consist of up to 68 exam rooms, including a 12-bed clinical decision unit (where it is determined whether the patient will be admitted or discharged elsewhere),

four stabilization rooms and up to 40 exam rooms. Plans also include a dedicated general radiology room and CT imaging facilities.

Richelle Jader, BSN, MHA
Director

Jon Henkel, BSN, BHA
Nurse Manager

Won Chung, MD, MS
Clinical Director and Assistant
Department Head

Jeff Fritz,
Support Services Manager



Teambuilding, class of 2010

Didactic Curriculum

Regions Hospital offers residents a full spectrum of topics in emergency medicine based on the Model of the Clinical Practice of Emergency Medicine. The core curriculum is designed to repeat itself in its entirety on an 18-month basis. As there are several modalities of learning, the didactic curriculum is set up to cover both the depth and breadth of emergency medicine through traditional as well as innovative and interactive means. Curriculum components include:

- **Critical Case** is a favorite of residents and faculty alike. Critical Case provides an interactive forum for discussion of a case of educational value. Case discussion is focused not only on the content of the eventual diagnosis but also on the decision-making process in evaluating critically ill patients with limited immediate data. This conference has been extended to 90 minutes from 1 hour in the last year to facilitate more in-depth discussion.
- **Grand Round** presentations in 2007 included: Pediatric Head Injury - Samuel Reid, MD, Children's Hospital and Clinics of St. Paul and Beyond Clinical Emergency Medicine: Tips for Meaningful Hospital and Community Engagement - Laresa DeBoer, MD, Ridgeview Hospital, Waconia, MN.
- **Visiting Professor Series** Speakers external to the program are invited to speak on research or clinical

topics. Those who participated in 2007 include: James Adams, MD, Feinberg School of Medicine, Northwestern University; Mark Steele, MD, Truman Medical Centers; Michelle Biros, MD, Hennepin County Medical Center; Patrick Holland, MD, Good Samaritan Hospital, Puyallup, WA.

- **Core Content Lectures** reinforce knowledge which is gained on clinical rotations as well as supplement the clinical experience. Lectures are given by faculty members who are experts in a core content area.
- **Journal Club** is held on a regular basis and three to four recent practice-changing articles are discussed. Journal Club is lead by an expert reviewer with the aid of a departmental research methodologist and statistician.

- **Joint Conferences** are collaborative conferences held in conjunction with other departments such as radiology, trauma services, and critical care to discuss related areas of interest. Recently we've begun a quarterly joint emergency medicine- internal medicine conference.
- **Small Group Sessions:** To encourage active learning small group days have been incorporated into the curriculum on a monthly basis. Residents are divided into 3 groups and rotate through stations which may include case discussion, simulation, or mini-lectures.

Matthew Morgan, MD
Assistant Residency Director

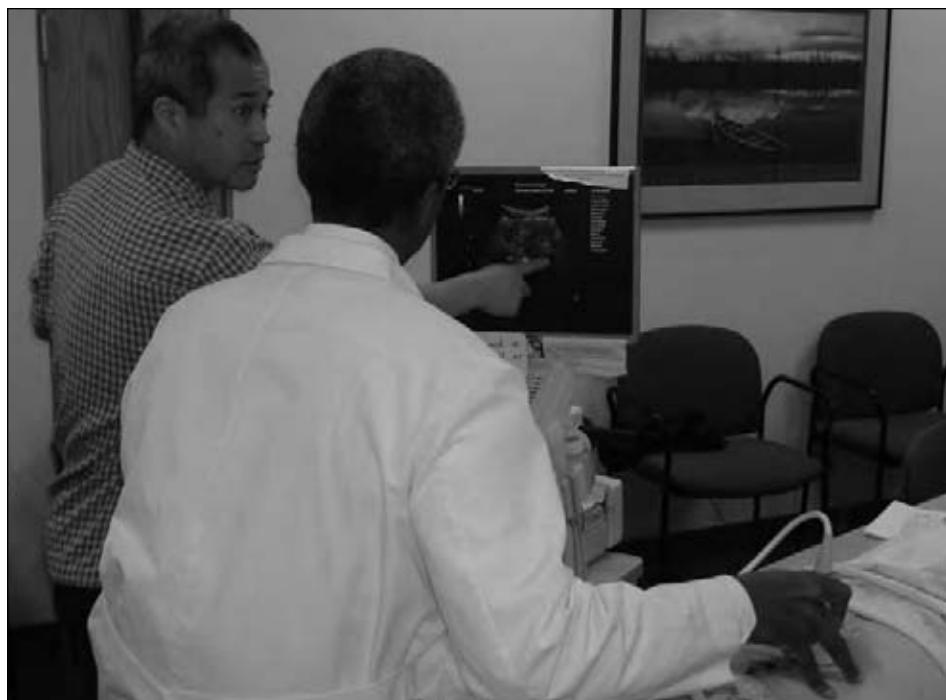


Ultrasound

Ultrasound has proven invaluable to the emergency physician, and Regions Hospital Emergency Department (ED) is committed to training our residents on how to use this important tool. Residents trained at Regions use ultrasound machines to help diagnose and treat critically ill patients who come to the ED for care. During the three-year residency, residents learn to use ultrasound in specific emergency applications, such as emergency echocardiography, assessment of the abdominal aorta, evaluating the trauma patient utilizing the focused assessment with sonography in trauma (FAST) exam, and diagnosing and treating the patient with undifferentiated hypotension. In addition, ultrasound is used to aid in procedures such as vascular access, thoracentesis, paracentesis, foreign body identification, localization and extraction, abscess identification and treatment, among others.

Didactic experience: Ultrasound education is undertaken in several formats. Didactics are presented in a lecture series conducted over 18 months. These lectures cover topics related to basic ultrasound physics and “knobology”, the FAST exam, emergency echocardiography, abdominal aortic aneurysm evaluation, examination of undifferentiated hypotension, and procedural ultrasound. Prior to residency graduation, residents are given advice on setting up an ultrasound program in their new jobs.

Clinical experience: The didactic



teaching is supplemented and reinforced through clinical teaching and direct application in the ED. This hands-on experience begins in the first year, where one-on-one tutorials with the ultrasound faculty focus on familiarization with the machine, how to obtain and recognize quality images, and the protocols utilized with the applications. These sessions allow the faculty to teach the basics, as well as more advanced techniques of different ultrasound applications. This experience is enhanced by weekly teaching sessions that are open to all residents, yet provide individualized instruction. Residents are also encouraged to perform ultrasounds on patients indicated by presentation while working their clinical shifts in the ED.

Evaluation process and feedback mechanisms: Residents receive

immediate feedback on ultrasound technique, image quality, and troubleshooting techniques by the supervising emergency department faculty. Additionally, ultrasound images are reviewed as part of the quality assurance initiative, and the ultrasound director provides feedback to the resident and faculty. Residents are given a quarterly report showing the number and type of ultrasounds they have performed in the ED, which is reviewed during the semi-annual resident evaluation meeting with the program director. At the completion of residency, documentation is provided from the program director for future emergency ultrasound credentialing.

Kurt Isenberger, MD

Peter Kumasaka, MD

Michael Zwank, MD

Emergency Ultrasound Education

Toxicology

Regions toxicology service is dedicated to providing education on toxicology topics and consultations to the emergency department (ED), hospital units and clinics 24 hours a day, 365 days a year. As a major educational partner in the Medical Toxicology Fellowship Program, the toxicology service is an active component in educating the program fellows through formal and informal learning activities. The ongoing educational activities of the toxicology service include quarterly interdisciplinary conferences, a weekly toxicology journal club, adverse drug reaction, herbal reviews and toxicology chapter reviews.

To augment the education of residents, fellows and students, the toxicology service uses a computer controlled mannequin for weekly case simulations. New cases are revised and developed throughout the year. Several multidisciplinary conferences involving the surgery, cardiology, and psychiatry departments took place in 2007.

Other educational endeavors during the year included bi-monthly forensic toxicology case review, and toxicology “field trips” to the University of Minnesota Arboretum to learn about toxic plants. Regions’ close relationship with the Hennepin Regional Poison Center allows us to share in the educational roles of the Poison Center, participating in their weekly and monthly case conferences and toxicology didactic sessions.

Members of Regions toxicology service were involved in more than 20 formal presentations in 2007 at regional conferences, local colleges and community hospital grand rounds in Minnesota and Wisconsin. Presentations at a national conference of the Society of Hospital Medicine and grand rounds at the Ecuadorian Emergency Medicine Program in Quito were examples of the expanding educational role of the toxicology service.

The toxicology service averages approximately 30 formal consultations a month, in addition to informal educational consults and telephone consults. Ten emergency medicine residents, four students, one physician assistant student and 12 PharmD candidates rotated on the toxicology service this year. Others who rotated on the service included pediatric emergency medicine fellows and one psychiatry resident.

In addition, the toxicology service members participate in toxicology-related clinical and benchtop research. This past year the research focus has been on projects involving management of toxin-induced shock and a multi-center study on cyanide’s role in smoke inhalation injury, and several case presentations at national emergency medicine and toxicology meetings. A textbook chapter on pediatric ingestions was published in the British pediatric text *Advances in Paediatrics*. 2007 proved to be a very busy and fulfilling year for the toxicology service.

Carson R. Harris, MD
Director, Toxicology Consult Service

Kristin Engebretsen, PharmD
Clinical Toxicologist



*Ecuadorian EM residents,
Twin Cities, September 2007*

Simulation

The Emergency Medicine Residency Program added to its simulation faculty with the arrival of Emily Binstadt, MD, MPH in 2007. Dr. Binstadt comes to Regions from Boston where she served as the assistant medical director for the STRATUS center for medical simulation. She joins Cullen Hegarty, MD and Jessie Nelson, MD to give the residency a strong simulation education group.

Our simulation group continues to integrate simulation technology into staff, resident and student education. One big change compared to 2006 is that the majority of the simulation education happens at Regions Hospital. We are still using the HealthPartners Simulation Center as well as a new simulation space at the University of Minnesota for both resident and student education, but have added more simulation teaching

during residency conference days at Regions.

The new monthly conference small group/experiential learning format has incorporated adult and pediatric simulation cases into conference days. Optional pre-conference simulation cases teach core EM cases and crisis resource management communication, teamwork and leadership principles. In-situ trauma team cases in the ED have been another new area for the simulation group.

Dr Nelson continues in her role as the physician educator at the HealthPartners Simulation Center, and Dr. Hegarty and Dr. Binstadt were named co-directors of emergency medicine and trauma for the new University of Minnesota SimPORTAL.

Cullen Hegarty, MD
Assistant Residency Director



Tara O'Connell, MD ('09)
AIAMC National Initiative Meeting, Washington, DC

Class of 2010

Aaron Burnett, MD

- State University of New York at Syracuse College of Medicine
- 2007 SAEM excellence in emergency medicine award
- EMT since the age of 18
- Hobbies include bicycling & canoeing - completed a 2 day, 46 mile canoe trip down the length of the Battenkill River in Vermont.



Nathaniel Curl, MD

- University of Iowa College of Medicine
- Member of AOA
- Former Colorado camp counselor and percussionist
- Hobbies include outdoor sports, cooking, fine arts.



Aaron Feist, MD

- University of North Dakota School of Medicine
- Volunteered in Cameroon after graduating from medical school.
- Hobbies include cooking new and exotic foods, reading, exercising, traveling both abroad and domestically,



Leah Gapinski, MD

- University of Iowa College of Medicine
- A former volunteer prison chaplain, she slept under the statue of Dr. Michael DeBakey during Tropical Storm Allison in 2001
- Volunteered in Guatemala during senior year of medical school
- Hobbies include tennis, cooking, disc golf, rock climbing, and hiking.



Shani Go, MD

- The Chicago Medical School
- Member of AOA
- St John's Ambulance Brigade "crusader" in Vancouver, BC
- Hobbies include hockey, skating, music, movies and television, the outdoors, traveling.



Nicole Stoik, MD

- University of Iowa College of Medicine
- 2007 SAEM excellence in emergency medicine award
- Collegiate athlete who competed in leagues for coed flag football, basketball and volleyball, women's indoor soccer, and coed dodgeball
- Hobbies include training for and competing in triathlons, traveling, playing club soccer, watching movies, reading, and spending time with friends and family.



Habits of Lifelong Learning

The Regions emergency medicine residency strives to implement a culture and infrastructure of lifetime learning through access to outside knowledge, archival of our residency's collective wisdom and translation of knowledge into clinical practice.

The residency has a growing archive of downloadable educational conferences. The Emergency Medicine Residency Electronic Library (EMREL) archives conference videos from October 2003 to the present. There are approximately 320 videos spanning five years. Digital access allows anytime viewing of this valuable store of wisdom.

In 2007 Regions Hospital Medical Library underwent extensive remodeling. The new space contains both physical journal storage, and new computer workstations to access the vast selection of subscription-based electronic content. This is now a comfortable, quiet place to read up on a particularly challenging case, as it is open 24/7 to staff and residents.

The EMRes email distribution list is the core electronic connection tool for our residents, staff and alumni. The list added 90 members last year to a total of 227 members. We are now using EMRes to link our residency applicants to our collective wisdom, allowing them to have a feel for the real Regions experience.

During 2007, Regions ED completed its first year in a fully-computerized state. Continued optimization is now the name of the game. Through ongoing optimization of the Epic system, we're striving for easier and faster. We installed improved processes for electronic documentation, handling sign-outs for extended-stay patients, improved lab and ECG reports and improved handling of transferred patients. As experience is one of life's best teachers, use of the EMR provides residents with the ongoing opportunity to learn from their experience when following up on their patients.

Through these tools, the residency invests in an infrastructure that works to support one of the primary ideals: learning is a lifeline skill that must be cultivated, rather than a single stop within the career of medicine.

Brad Gordon, MD
Director, Residency Technology

Letter from the Chief Residents

It's been an exciting year as chief residents as we strive to continue the tradition of clinical and educational excellence. We have continued to work at increasing resident engagement both in our emergency department and throughout the community. A few significant examples of our accomplishments in 2007 include:

- A major change to the Regions emergency department (ED) resident schedule from eight-hour to 10-hour shifts. This change facilitates better patient care with less hand-offs and more overlap at high-volume times.
- Continued presence at St. Paul Children's, in addition to selective rotations at several community hospitals.
- An increased number of residents participating in a resident switch with Hennepin County Medical Center, providing the opportunity to experience a different academic setting.
- Expanded collaboration within the hospital with a well-attended combined conference with internal medicine and the ED.
- Increased diversity of core conference education, including the interactive nature of conference with small groups and the use of simulation.

- Continued presence in education. Residents continue to help educate the community through HealthPartners EMS and also further experiences at the University of Minnesota.
- Regions emergency medicine residents continue to have a national presence with publications in national journals, participation on national committees and presentation of research at national meetings.

We are able to succeed with the strong support, encouragement and leadership of our residency program staff. We look forward to continuing to strengthen our presence and showcasing excellence in emergency medicine training and patient care over the coming year.

Kelly Barringer, MD

Ben Peake, MD

Sam Stellpflug, MD

2007-2008 Chief Residents

Heather Sutherland, MD

- Medical College of Wisconsin
- Member of AOA
- Hobbies include rock climbing, mountain biking, road biking, fishing, camping, hiking, volleyball, water skiing, alpine and nordic skiing, ultimate frisbee, backpacking



Gregory Vigesaa, DO

- Virginia College of Osteopathic Medicine
- Member of VCOM Honor Society
- Hobbies include playing and watching sports, traveling, and spending time with family and friends



Brent Walters, MD

- University of Minnesota Medical School
- Former genetics counselor
- Hobbies include hiking, skiing, traveling, snorkeling, golf, football, softball, basketball, reading.



New Faculty 2007

Emily Binstadt, MD, MPH

- Undergraduate: Duke University
- Medical School: Mayo Medical School
- Residency: Harvard Affiliated
- Fellowship: Education & Simulation Technology – Harvard
- Interests: Medical simulation, education and ethics



Jason Gengerke, MD

- Undergraduate: South Dakota State University
- Medical School: University of Iowa
- Residency: Michigan State-Grand Rapids
- Interests/Hobbies: orthopedics, toxicology, airway management, emergency department efficiency, fishing, kayaking, archery, movies



Keith Henry, MD

- Undergraduate: Northern Arizona University
- Medical School: University of Arizona
- Residency: Regions Hospital
- Interests/Hobbies: medical student education, ethics, palliative care, travel, golf



The HealthPartners Institute for Medical Education (IME)

The Regions Hospital Emergency Medicine Residency is a HealthPartners Institute for Medical Education (IME) residency training program. The IME was created in 1996 to provide an innovative structure to lead the organization's educational efforts. Today, the IME partners with academic institutions; provides an innovative environment for health provider education and is an advocate for education that measurably improves patient care. The IME focuses on five aspects of medical education: undergraduate and graduate medical education; nursing education; allied health professional education; continuing professional

development; and medical library services. In addition, the IME partners with Metropolitan State University in the Simulation Center for Patient Safety. The Simulation Center uses computerized mannequins, virtual reality and other advanced teaching techniques to prepare health professionals for high-intensity clinical experiences. The IME has a formal affiliation agreement with the University of Minnesota that guides the educational relationship between the two organizations. Regions emergency medicine staff enjoy faculty appointments within the department of emergency medicine at the University of Minnesota.

Residency Presentations 2007

The Regions Hospital Emergency Medicine Residency supplements the clinical learning experience with lectures, workshops and procedural skills labs which are open (space permitting) to all residents, faculty, students, alumni, nurses, physician assistants, consultants and others from our residency community to share and discuss new knowledge.

Number of lectures: 203 conference hours

Hours of attendance: 5076 resident hours of attendance

Number of workshops: 49 workshops were taught to 27 rotating residents and 118 medical students and PA students.

Number of labs: 27 residents participated in 18 procedural skills labs

Coordinators

We continued to focus on connecting with residents, alumni and colleagues in 2007. Numerous residency-sponsored events occurred throughout the year, keeping us in touch with alumni and allowing them to meet and network with our current residents. As members of the Emergency Medicine Association of Residency Coordinators (EMARC), we attended the annual meeting in Orlando. Lori was elected vice-chair of the executive committee of EMARC. She and Dr. Ankel presented a communications session to coordinators and program directors as part of the CORD Academic Assembly.



Lori Barrett and Pat Anderson

We had a very good year hosting medical students for both core and advanced rotations. These rotations are coordinated through our office and resulted in the generation of 34 letters of recommendation for residency positions. It was great getting to know these students, and we wish all of them much success in their future residencies.

Lori Barrett
Manager, Residency & Education

Pat Anderson
Education Program Assistant

Medical Student Program

Our department continues to be heavily involved in medical student education with our core EM, advanced EM, and toxicology rotations. Dr. Hegarty continues in his role as Director of Medical Student education for all EM courses through the Department of EM at the University of Minnesota, and received the HealthPartners

Excellence in Education award for 2007. He was named as co-chair of the curriculum committee at the University of Minnesota Medical School.

Rachel Dahms, MD

Cullen Hegarty, MD

Kevin Kilgore, MD

Matthew Morgan, MD

- Undergraduate: Southwest Missouri State
- Medical School: Chicago Medical School
- Residency: Regions Hospital
- Fellowship: Regions Hospital Toxicology
- Interests/hobbies: residency education, toxicology, guitar, travel



Henry Ortega, MD

- Undergraduate - University of California-Berkeley
- Medical School: Oregon Health Sciences University
- Residency: University of Wisconsin Pediatrics
- Fellowship: Pediatric Emergency Medicine Columbus Children's Hospital/The Ohio State University
- Interests/hobbies: injury prevention, sepsis, running, fly fishing

Sam Reid, MD

- Undergraduate: St. Olaf College
- Medical school: University of Minnesota Twin Cities
- Residency: University of Minnesota
- Fellowship: Children's Hospital of St. Paul
- Interests/hobbies: dehydration, head injury, running

Stephanie Taft, MD

- Undergraduate: North Carolina State University
- Medical School: East Carolina University
- Residency: Regions Hospital
- Interests/hobbies: residency education, trauma, reading, travel



EMS

Since 1997, the emergency medicine residents have participated in a rotation in Emergency Medical Services (EMS). Residents also have an opportunity to participate in an associate medical directorship or elective rotation in EMS.

Resident Rotation

Emergency medicine residents participate in a four-week rotation in EMS in their G1 year. Residents participate in ride-alongs with various services. For example, residents spend time with dual-role services (St. Paul Fire), single-tier services (Lakeview EMS), police/medic services (Cottage Grove Public Safety) and volunteer/paid on-call services (White Bear Lake Fire). Residents also spend time in the Medical Resource Control Center at Regions Hospital and the St. Paul Fire Communication Center. And, finally, many residents take part in helicopter ride-alongs with LifeLink III.

In addition to medical direction specific assignments, residents are integrated as active educators within our program and participate in a multitude of training events. Such events include Advanced Cardiac Life Support for hospital and pre-hospital providers, Pediatric Advanced Life Support, and ALS/BLS CME, and other teaching opportunities existing within the paramedic program at Inver Hills Community College.

Associate Medical Directorship

As part of a scholarly project, residents in the G2 or G3 year can choose an associate medical directorship with EMS. Residents interested in pursuing an EMS career may choose this project in order to experience the reality of dealing with various issues in medical direction under the guidance of the EMS medical directors. Residents are typically assigned to one service in order to allow them the opportunity to build a relationship with the service. Residents provide feedback on questions, quality assurance and critical case review education.

2007 Associate Medical Directors

- Dr. Adina Miller, Lakeview
- Dr. Owen Anderson, St. Paul Fire
- Dr. Duncan McBean, St. Paul Fire
- Dr. Danielle Jackson, St. Paul Fire
- Dr. Jon Shultz, National Park Service - St. Croix National Scenic Riverway

Another type of associate medical directorship offered through EMS is with Inver Hills Community College's paramedic program. This resident participates in quality assurance for run reviews, creates and delivers curriculum and acts as an advisor to the paramedic students and the program itself.

EMS Elective

Emergency medicine residents may elect a rotation in EMS during the G3 year. Components of this rotation are variable, based primarily on the resident's specific interest, including research and teaching.

RJ Frascone, MD
EMS Medical Director

Koren Kaye, MD
EMS Co-Medical Director

Josh Salzman
EMS Program Manager

Shonette Doggett
EMS Education Manager



Nursing Education

The registered nurses (RN) in the Regions Hospital emergency department (ED) demonstrate an impressive commitment to education. Twenty-nine percent of the RN staff have obtained a specialty certification in emergency and/or critical care nursing; four percent are master's prepared; and 10 percent are actively pursuing either their baccalaureate or master's degrees.

A clinical educator and clinical nurse specialist coordinate education for more than 100 nurses, 25 paramedics and 40 emergency room technicians. New staff complete a core course to establish a baseline knowledge of emergency nursing at Regions and a comprehensive orientation process to ensure competence on the floor.

Continuing education takes place in the classroom, on the Regions Emergency Nursing website, through posters, presentations and on-the spot education. All nurses are certified in ACLS and TNCC. Many nurses have additional certification in ENPC, PALS, CATN, and other specialties.

Regions ED nurses teach other professionals and the community. Many of our emergency medicine nurses teach paramedic and nursing students at the college level in didactic and clinical roles. Our nurses also provide education to children on injury prevention through the ENCare program. We provide education to nurses from our western Wisconsin affiliates via classes, online education and clinical time.

Our nurses are active in the Emergency Nurses Association, our professional organization. Three of the nursing staff members hold positions within the administration of the local chapter, including president, secretary and state representative. We are excited to be involved in the upcoming annual national conference in Minneapolis in 2008.

Karen Poor, RN, MN, CEN, CCNS
Clinical Nurse Specialist

Crisis Program

The Crisis Program, a psychiatric crisis intervention service housed in the Emergency Center at Regions Hospital, provides psychiatric assessments, crisis counseling, and referral for patients experiencing emotional crises, stressful situations or psychiatric problems. An experienced, committed corps of clinical social workers staffs the program 24 hours a day, 7 days a week. This innovative and cost-effective program has been an

integral part of the ED for over 34 years and serves over 5500 patients yearly.

Patients are seen for a variety of mental health issues, including depression, psychosis, anxiety, substance abuse, and domestic violence. The crisis staff works closely with ED physicians, physician-assistants, and nurses to provide comprehensive psychiatric and psychosocial assessments

and to create discharge plans that maximize safety and stabilization in the community or the hospital. Approximately 60% of all patients who are evaluated by crisis social workers return to the community.

Maddy Cohen, MSW, LICSW
Supervisor, Crisis Program

Residency Awards/ Recognition/Honors

Star Award - resident teacher selected by medical students

2007 Sandy Fritzlar, MD
2006 Nathan Anderson, MD, Martin Richards, Jr., MD,
John Travnicek, MD, Melissa Tschohl, MD
2005 Keith Henry, MD
2004 Robert LeFevere, MD
2003 Lynn Howard, MD
2002 John Bonta, MD
2001 Cullen Hegarty, MD

Apple Award - faculty teacher selected by medical students

2007 Joel Holger, MD, Peter Kumasaka, MD, Michael
Zwank, MD
2006 Jeahan Hanna, MD
2005 Rachel Dahms, MD, Robert LeFevere, MD
2004 Cullen Hegarty, MD
2003 Kevin Kilgore, MD
2002 Felix Ankel, MD
2001 Paul Haller, MD

Faculty Teaching Award - EM faculty teacher selected by residents

2007 Rachel Dahms, MD, Jeahan Hanna, MD
2006 Robert Knopp, MD
2005 Felix Ankel, MD
2004 Karen Quaday, MD
2003 Carson Harris, MD
2002 Scott Cameron, MD
2001 Robert Knopp, MD

Nurse Educator Award - EM nurse teacher selected by residents

2007 Lawrence Cochran, RN
2006 Tom Peterson, RN, Karen Poor, RN
2005 Donovan Taylor, RN
2004 Mary Healy, RN

Excellence in EMD Research

2007 Emily Mason, MD, Ben Peake, MD
2006 Scott Donner, MD
2005 Sandy Fritzlar, MD
2004 Kurt Isenberger, MD
2003 S. Wade Barnhart, MD, Christopher Obetz, MD
2002 Randall Hofbauer, MD
2001 Frank Coughlin, MD
2000 Paul Satterlee, MD, Paul Jewett, MD
1999 Kevin Sipprell, MD, James Parker, MD

Ian Swatez Teaching Award - faculty teacher from outside EM selected by residents

2007 Eric Korbach, MD, Henry Ortega, MD
2006 David Lee, MD
2005 Bruce Bennett, MD
2004 Raj Sarpal, MD
2003 William Mohr, MD
2002 Mari Goldner, MD
2001 David Dries, MD
2000 Ian Swatez, MD

Robert Knopp Humanism Award

2007 Emily Mason, MD
2006 Martin Richards, Jr., MD
2005 Keith Henry, MD, Jon Hokanson, MD

Current Residents

Class of 2008

Luke Albrecht, MD
 Kelly Barringer, MD
 Joey Charles, MD
 Mark Connelly, MD
 Ben Peake, MD
 Jonathan Shultz, MD
 Natasha Srb, MD
 Samuel Stellpflug, MD
 Paul Travnicek, MD

Undergraduate

University of Minnesota-Morris
 Brigham Young University
 University of North Dakota
 St. John's University
 North Dakota State University
 University of Wisconsin-Eau Claire
 University of Minnesota
 Marquette University
 South Dakota State University

Medical School

University of Minnesota
 Michigan State University
 University of North Dakota
 University of Minnesota
 Mayo Medical School
 University of Kansas
 University of North Dakota
 University of Wisconsin
 University of South Dakota

Class of 2009

Owen Anderson, MD
 Christopher Dillon, MD
 Joseph Dolan, MD
 Danielle Jackson, MD
 A. Duncan McBean, MD
 Adina Miller, MD
 Tara O'Connell, MD
 Charis Thatcher, MD
 Scott Thielen, MD

Undergraduate

University of North Dakota
 University of Notre Dame
 Iowa State University
 Macalester College
 University of Pennsylvania
 Gustavus Adolphus College
 California Polytechnic State U
 Brigham Young University
 Ithaca College

Medical School

Medical College of Wisconsin
 University of Wisconsin
 University of Iowa
 University of Minnesota
 University of Minnesota
 University of Minnesota
 University of Minnesota
 Medical College of Wisconsin
 University of Minnesota

Class of 2010

Aaron Burnett, MD
 Nathaniel Curl, MD
 Aaron Feist, MD
 Leah Gapinski, MD
 Shani Go, MD
 Nicole Stoik, MD
 Heather Sutherland, MD
 Gregory Vigesaa, DO
 Brent Walters, MD

Undergraduate

Boston University
 Truman State University
 University of Minnesota
 Quincy University
 University of British Columbia
 Princeton University
 Utah State University
 North Dakota State University
 University of Minnesota

Medical School

SUNY at Syracuse
 University of Iowa
 University of North Dakota
 University of Iowa
 Chicago Medical School
 University of Iowa
 Medical College of Wisconsin
 Virginia COM
 University of Minnesota

Faculty

Faculty	Medical School	Residency/Fellowship
Felix Ankel, MD	University of Wisconsin	University of Illinois
Brent Asplin, MD, MPH	Mayo Medical School	University of Pittsburgh/University of Michigan Robert Wood Johnson Clinical Scholars Program
Emily Binstadt, MD, MPH	Mayo Medical School	Harvard Affiliated/Harvard Education & Simulation Technology
Mary Carr, MD	University of Michigan	EM/IM Henry Ford Hospital – Detroit/HCMC Forensic Medicine
Won Chung, MD, MS	Albany Medical College	Harvard Affiliated
Rachel Dahms, MD	University of Minnesota	Indiana University
RJ Frascone, MD	University of Minnesota	FP - St. Paul-Ramsey Medical Center
Jason Gengerke, MD	University of Iowa	Michigan State University-Grand Rapids
Bradley Gordon, MD	Creighton University	Regions Hospital/University of MN Nat'l Library of Medicine Health Informatics
Paul Haller, MD	University of Minnesota	IM - University of Minnesota
Carson Harris, MD	University of Minnesota	Brooke Army Medical Center
Cullen Hegarty, MD	University of Minnesota	Regions Hospital
Keith Henry, MD	University of Arizona	Regions Hospital
Bradley Hernandez, MD	University of Iowa	Regions Hospital
Joel Holger, MD	University of Minnesota	IM - Abbott Northwestern Hosp.
Kurt Isenberger, MD	Medical College of Wisconsin	Regions Hospital
Kory Kaye, MD	University of South Dakota	St. Vincent Medical Center -Toledo
Kevin Kilgore, MD	University of North Dakota	Ortho - Creighton University
Robert Knopp, MD	University of Minnesota	Valley Medical Center, UCSF-Fresno
Peter Kumasaka, MD	University of Rochester	Christ Hospital - Chicago
Richard Lamon, MD	Loma Linda University	FP - Loma Linda University
Robert LeFevere, MD	Creighton University	Regions Hospital
Barbara LeTourneau, MD, MBA	University of Minnesota	Hennepin County Medical Center
Alda Moettus, MD, JD	University of Minnesota	University of New Mexico
Matthew Morgan, MD	Chicago Medical School	Regions Hospital/Regions Hospital Med/Tox
Jessie Nelson, MD	University of Minnesota	Regions Hospital/Regions Hospital Education
Henry Ortega, MD	Oregon Health Sciences	Peds University of Wisconsin/PEM Columbus Children's Hospital
Karen Quaday, MD	Wayne State University	EM/IM Henry Ford Hospital – Detroit
Samuel Reid, MD	University of Minnesota	Peds University of Minnesota/PEM Children's Hospital, St. Paul
Stephanie Taft, MD	East Carolina University	Regions Hospital
Michael Zwank, MD	University of Wisconsin	Boston Medical Center



2007 Faculty

Publications

Articles

Handel DA, Sklar DP, Hollander JE, **Asplin BR**, Hedges JR; Institute of Medicine/Association of American Medical Colleges Panelist Group; Society for Academic Emergency Medicine; Association of Academic Chairs in Emergency Medicine Panel. Executive summary: the Institute of Medicine report and the future of academic emergency medicine: the Society for Academic Emergency Medicine and Association of Academic Chairs in Emergency Medicine Panel: Association of American Medical Colleges annual meeting. *Acad Emerg Med.* 2007 Mar;14(3):261-7.

Asplin BR, Magid DJ. If you want to fix crowding, start by fixing your hospital. *Ann Emerg Med.* 2007 Mar;49(3):273-4.

Binstadt ES, Walls RM, White BA, Nadel ES, Takayesu JK, Barker TD, Nelson SJ, Pozner CN. A Comprehensive Medical Simulation Education Curriculum for Emergency Medicine Residents *Ann Emerg Med.* 2007 Apr, 49(4):495-504.e11

Flottemesch TJ, **Gordon BD**, Jones SS. Advanced statistics: developing a formal model of emergency department census and defining operational efficiency. *Acad Emerg Med.* 2007 Sep;14(9):799-809

Frascone RJ, Jensen JP, **Kaye K**, Salzman JG. Consecutive field trials using two different intraosseous devices. *Prehosp Emerg Care.* 2007 Apr-Jun;11(2):164-71.

Salzman JG, **Frascone RJ**, Godding BK, Provo TA, Gertner E. Implementing emergency research requiring exception from informed consent, community consultation, and public disclosure. *Ann Emerg Med.* 2007 Oct;50(4):448-55

Boldface: faculty
Boldface italics: residents

Holger JS, **Engebretsen KM**, **Fritzlar SJ**, **Patten LC**, **Harris CR**, **Flottemesch TJ**. Insulin versus vasopressin and epinephrine to treat beta-blocker toxicity. *Clin Toxicol* 2007 May;45(4):396-401.

Colletti JE, Kothori S, **Jackson DM**, **Kilgore KP**, **Barringer K**. An Emergency Medical Approach to Neonatal Hyperbilirubinemia. *Emergency Medicine Clinics of North America.* November 2007, 25(4);1117-1135.

Johnson NC, **Holger JS**. Pediatric acute otitis media: the case for delayed antibiotic treatment. *J Emerg Med.* 2007 Apr; 32(3):279-84.

Salzman JG, Page DI, **Kaye K**, **Stetham N**. Paramedic student adherence to the National Standard Curriculum recommendations. *Prehosp Emerg Care.* 2007 Oct-Dec;11(4):448-52.

Knopp R. Medical Education-professionalism. Letter to the Editor. *N Engl J Med.* 2007 Feb 8;356(6):640.

Diner BM, Carpenter CR, **O'Connell T**, Pang P, Brown MD, Seupaul RA, Celentano JJ, Mayer D for the KT-CC Theme IIIa Members. Graduate Medical Education and Knowledge Translation: Role Models, Information Pipelines, and Practice Change Thresholds. *Acad Emerg Med* November 2007, 14(11):1008-1014.

Scientific Presentations

Engebretsen KM, Holger JS, Marini JJ. High dose insulin in multiple drug overdose. *Clinical Toxicology* 2007; 45(6):622 (abstract). Poster presented at North American Congress of Clinical Toxicology, New Orleans, LA, October, 2007.

Harris CR, Richards ME: Acute Barium Carbonate Toxicity. *Clinical Toxicology* 2007; 45(6):614 (abstract). Poster presentation at 2007 North American Congress of Clinical Toxicology Annual Meeting, New Orleans LA, October 2007.

Harris CR, Shultz JF: High-Dose Insulin in Multi-drug Overdose. Poster presentation at 4th Mediterranean Emergency Medicine Congress, Sorrento Italy, September 2007.

Nelson J: Using Simulation to Educate Rapid Response Team Members and Troubleshoot Rapid Response Systems. Poster presentation at National Patient Safety Foundation Annual Meeting, Washington DC, May 2007.

Peake B, Barringer K, Flottesmesch T, Marini J, Fuerstenberg J, Dries D, Holger J. Insulin is an inotrope in a severe sepsis model. *Shock* 2007; 27 (supplement1): 8 (abstract). Presented at Thirtieth Annual Conference on Shock, Baltimore, Maryland, June 2007.

Book Chapters, Monographs & Electronic Publications

Harris CR, Morgan MW. Dangerous Drug and Poison Ingestions. In David TJ (ed): *Recent Advances in Paediatrics* 24. London, UK: The Royal Society of Medicine Press Ltd, 2007.

Hegarty C, Nelson J (2007). Stab To Neck. MedEdPORTAL: <http://services.aamc.org/jsp/mededportal/retrieveSubmissionDetailById.do?subId=528>

Kilgore, KP. Deep Frostbite Injury: Thrombolysis?. <http://www.EMedHome.com>; Weekly Clinical Case, Feb. 16, 2007.

Kilgore, KP. Antibiotics or Right to the OR?. <http://www.EMedHome.com>; Weekly Clinical Case, Jun. 15, 2007.

Kilgore, KP. Acute Diplopia - Imaging Required? <http://www.EMedHome.com>; Weekly Clinical Case, Oct. 5, 2007.

Patten LC, Ankel F. Making the Decision: Academics vs. Community Practice. In Handel D and McGee D (Eds), *Emergency Medicine An Academic Career Guide* 3rd Edition 2007 (pp 5-6) Lansing, MI, Society for Academic Emergency Medicine.

National & International Presentations

Albrecht L, LaVelle B, Nelson J: Increasing Rural Emergency Department Nurses' Confidence in Resuscitation Skills. Panel discussion at Emergency Nurses' Association Scientific Assembly, Salt City UT, September 2007.

Ankel F and Barrett L: Five Easy Pieces: Collaborative Residency Management. CORD Academic Assembly, Orlando FL, March 2007.

Ankel F. Residency Directors Perspective (Panel). AIAMC National Initiative: Improving Patient Care Through GME, Washington DC, 2007.

Asplin BR: The Institute of Medicine's Reports on Emergency care: What's Next?/Improving Patient Flow in the ED. Guest Speaker, 14th Annual Hot Topics in Emergency Medicine, Duck Key, FL, 2007.

Asplin BR: Faculty Are From Venus, Chairs Are From Mars: Perfecting the 'Ask'. 2007 CORD Academic Assembly, Orlando, FL, March 2007.

Harris CR: Overdose Management: Critical Decision-Making in Toxicology. Society of Hospital Medicine. Dallas TX, May 2007.

Harris CR: Evaluation of the Poisoned Patient and Gut Decontamination. Emergency Medicine Grand Rounds, Hospital Eugenio Espejo, Quito Ecuador, February 2007.

Nelson J, LaVelle B: Applying Educational Theory to Simulation: A Rookie's Guide to Teaching with Simulation. Workshop presented at the 2007 International Meeting for Simulation in Healthcare, Orlando FL, January 2007.

Nelson J, LaVelle B: They Don't All Code: Using Simulation to Train Rapid Response Teams. Workshop presented at the 2007 International Meeting for Simulation in Healthcare, Orlando FL, January, 2007.

LaVelle B, **Nelson J**: Practice Outside the Comfort Zone: High-Fidelity Simulation Training Makes Rapid Response Teams More Skilled and Comfortable in Roles. Presented at the Society of Critical Care Medicine's 36th Critical Care Congress, Orlando FL, February 2007.

O'Connell TA. Resident Perspective. AIAMC National Initiative: Improving Patient Care Through GME, Washington DC, 2007.

Grants and Funded Studies:

Asplin BR: Agency for Healthcare Research and Quality, K-08 Career Development Award: ER Crowding: Causes and Consequences (2002-2007)

Engebretsen KM (PI), **Holger JS**, **Morgan M**, **Thorn T**. HealthPartners Research Foundation Internal Grant: Determining Intracellular Mechanism of Insulin Inotropy In Myocardial Depression. (2006-2007)

McBeth BM, **Flottemesch TJ**, Ling, L, McNamera, R, **Ankel FA**: HealthPartners Research Foundation Internal Grant: Substance Use in Emergency Medicine Training Programs by Resident Report (2005-2007)

Lurie, KG, **Frascone, RJ**, **Kaye K**, Dries D, **Asplin BR**, Hodgson D, Jensen J, Griffith K, Salzman J, Smith J: National Heart, Lung and Blood Institute: The ResQ Trial: Comparison of conventional CPR to ACD-CPR plus an ITD and to conventional CPR plus an ITD on survival from out-of-hospital cardiac arrest. (2004-2008)

Gordon BD: National Library of Medicine, K-22 Career Development Award: Real-Time Monitoring of Emergency Department Crowding. (2004-2007)

Harris CR (PI), **Flottemesch TJ**, **Morgan MW**, **Ekstrom RM**, Bruzek, R: HealthPartners Research Foundation Internal Grant: Medication Errors in the Emergency Department. (2004-2007)

Borron S, **Harris CR**, **Engebretsen KM**, **Morgan M**: EMD Pharmaceuticals: Cyanide's Role in Smoke Inhalation Study (CRISIS-1) (2006-2007)

Holger JS (PI), **Peake B**, **Barringer K**, Marini J, Dries D, Fuerstenber J. HealthPartners Research Foundation Internal Grant: High Dose Insulin in Septic Shock. (2006-2007) .

Holger, J, **Frascone, RJ**, **Richards M**, Poor, K: U.S. Department of Defense Research Grant No. W81XWH-04-C-0022: Evaluation of an Inspiratory Impedance Threshold Device (ITD) in the Emergency Department for the Treatment of Hypotension (2004-2007).

Holger JS, **Frascone RJ**, **Richards M**. Department of Defense: Evaluation of an Inspiratory Threshold Device (ITD) in the Emergency Department for the Treatment of Hypotension. (2005-2007)

Biros, MH, **Holger JS**, **Asplin BR**, McGonigal M, Larkins, MV, **Frascone, RJ**, Snyder BD, Nelson, AF. National Institute of Neurological Disorders and Stroke: Neurological Emergencies Treatment Trials (NETT) Network. (2006 – 2011)

Isenberger KM, **Gordon BD**: HealthPartners Research Foundation Internal Grant: Utilization of Lactate, BNP, and D-Dimer in Computerized Physician Order Entry Sets (2006-2008).

Morgan MW, **Holger JS**, **Engebretsen KM**, Kinnan MR, **Stellpflug SJ**, **Vigesaa GS**. HealthPartners Research Foundation Internal Grant. High Dose Insulin in Dihydropyridine Overdose. (2007-2008)

Travnicek PA, **Hegarty CB**: Institute of Medical Education Resident Grant: Using the Eschmann Through an ILMA for Airway Control (2006-2007)

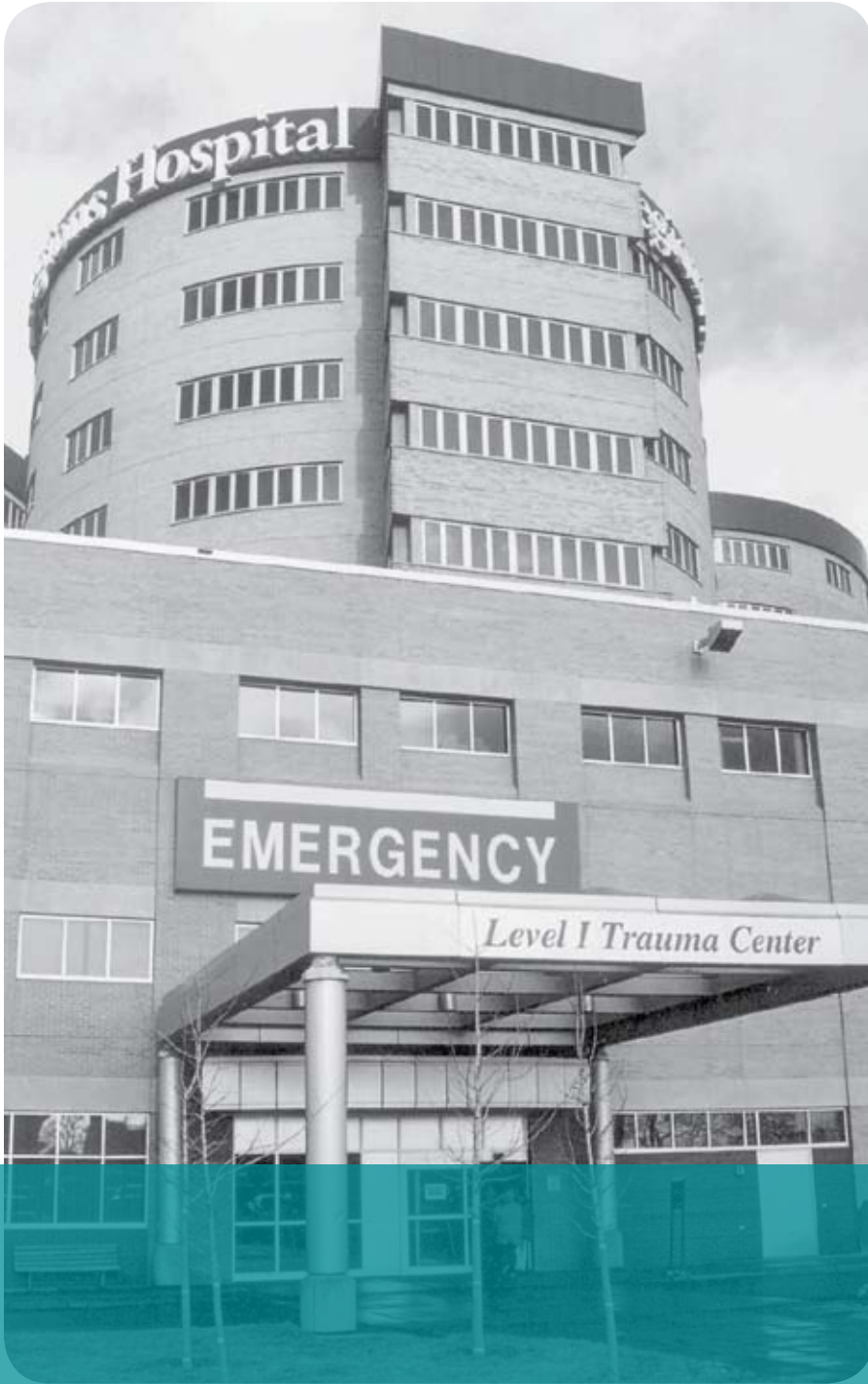
Emergency Medicine Grads

Name & Class	Medical School	Current Location
Nathan Anderson, MD '06	University of Minnesota	United Hospital – St Paul, MN
Cheri Audrain-Schroeder, MD '01	University of Nevada	Fairview-Southdale Hospital - Edina, MN
Kendal Baker, MD '03	Indiana University	Hancock Regional Hospital - Greenfield, IN
Stephen Wade Barnhart, MD '03	Indiana University	North Memorial Medical Center - Robbinsdale, MN
Bradley Barth, MD '00	University of Minnesota	St. Joseph's Hospital - Maplewood, MN
Marny Benjamin, MD '02	Loyola University	Methodist Hospital - St. Louis Park, MN
Mark Bernas, MD '00	University of Minnesota	Deceased
John Bonta, MD '02	University of Nebraska	Bryan LGH Medical Center - Lincoln, NE
Frank Coughlin, MD '01	University of South Dakota	Bryan LGH Medical Center - Lincoln, NE
Susan Zola Cullinan, MD '01	University of North Dakota	Luther Midelfort Hospital - Eau Claire, WI
Laresa DeBoer, MD '02	University of Minnesota	Ridgeview Hospital - Waconia, MN
Tanya Kleven Decker, MD '04	University of North Dakota	St. Luke's Hospital - Cedar Rapids, IA
Chanah DeLisle, MD '99	University of Minnesota	St. Francis Hospital - Shakopee, MN
Scott Donner, MD '06	University of Kansas	University of Minnesota Medical Center – Minneapolis, MN
Mary Fehringer Drake, MD '00	University of Nebraska	Bozeman Deaconess Hospital - Bozeman, MT
Roseann Ekstrom, MD, PharmD '07	University of Minnesota	Minneapolis, MN
Jared Friedman, MD '05	University of South Dakota	Avera McKennan Hospital – Sioux Falls, SD
Sandy Fritzlar, MD '07	Mayo Medical School	United Hospital – St Paul, MN
Jon Fuerstenberg, MD '04	Mayo Medical School	ER/Critical Care, Abbott Northwestern Hospital – Minneapolis, MN
Jeffrey Geddes, MD '06	University of North Dakota	Altru Hospital – Grand Forks, ND
Elizabeth Godin, MD '06	Medical College of Wisconsin	University of Minnesota Medical Center – Minneapolis, MN
Bradley Gordon, MD '02	Creighton University	Regions Hospital - St. Paul, MN
Craig Grorud, MD '99	University of North Dakota	Minneapolis, MN
Theresa Gunnarson, MD '00	University of Minnesota	St. Mary's Hospital – Duluth, MN
Cullen Hegarty, MD '01	University of Minnesota	Regions Hospital - St. Paul, MN
Keith Henry, MD '05	University of Arizona	Regions Hospital – St. Paul, MN
Bradley Hernandez, MD '01	University of Iowa	Regions Hospital - St. Paul, MN
Randall Hofbauer, MD '02	University of Minnesota	Singing River Hospital System – Ocean Springs, MS
Jonathan Hokanson, MD	University of Minnesota	Abbott Northwestern Hospital – Minneapolis, MN
Patrick Holland, MD '02	University of Hawaii	Good Samaritan Hospital - Puyallup, WA
Lynn Howard, MD '03	University of Minnesota	St. Joseph's Medical Center - Brainerd, MN
Kurt Isenberger, MD '04	Medical College of Wisconsin	Regions Hospital - St. Paul, MN
Paul Jewett, MD '00	St. Louis University	University of Minnesota Medical Center - Minneapolis, MN
Nicholas Johnson, MD '05	Creighton University	Abbott Northwestern Hospital – Minneapolis, MN
Phelps Johnson, MD, PhD '02	Medical College of Wisconsin	St. Mary's Hospital - Duluth, MN
Todd Joing, MD '05	University of Minnesota	Fairview-Southdale Hospital - Edina, MN
Cynthia Kelmenson, MD '03	University of Pennsylvania	Medical Center of Aurora - Denver, CO
Martin Klinkhammer, MD '07	Mayo Medical School	MaryView Medical Center – Portsmouth, VA
Amy Kolar, MD '99	Creighton University	North Memorial Medical Center- Robbinsdale, MN
Heidi Lako-Adamson, MD '07	University of North Dakota	MeritCare Hospital - Fargo, ND
Robert LeFevere, MD '04	Creighton University	Regions Hospital - St. Paul, MN
Karen Lushine, MD '01	University of Minnesota	St. Mary's Hospital - Duluth, MN
Joseph Madigan, MD '07	University of Minnesota	United Hospital – St. Paul, MN
Darren Manthey, MD '05	University of Minnesota	Sioux Valley Hospital – Sioux Falls, SD

Name & Class	Medical School	Current Location
Emily Mason, MD '07	University of Wisconsin	Sacred Heart Hospital – Eau Claire, WI
Hal Minnigan, MD, PhD '00	University of Minnesota	Wishard Hospital - Indianapolis, IN
Matthew Morgan, MD '05	Chicago Medical School	Regions Hospital - St Paul, MN
Jessie Gillund Nelson, MD '04	University of Minnesota	Regions Hospital - St. Paul, MN
Christopher Obetz, MD '03	University of Minnesota	Abbott Northwestern Hospital - Minneapolis, MN
James Parker, MD '99	Mayo Medical School	St. Francis Hospital - Shakopee, MN
Lane Patten, MD '07	University of Minnesota	North Memorial Medical Center – Robbinsdale, MN
Kelly Rhone, MD '04	University of South Dakota	Bryan LGH Medical Center - Lincoln, NE
Martin Richards, Jr, MD '06	University of Minnesota	United Hospital – St. Paul, MN
Jason Roth, MD '99	University of Colorado	St. Anthony Hospital - Denver, CO
Christopher Russi, DO '03	Des Moines University	Mayo Clinic – Rochester, MN
Paul Satterlee, MD '00	University of South Dakota	Abbott Northwestern Hospital - Minneapolis, MN
Ann Schapiro, MD '05	University at Buffalo SUNY	Catholic Health Systems – Buffalo, New York
John Seidner, MD '01	University of Vermont	Elliot Hospital - Manchester, NH
Kevin Sipprell, MD '99	University of Minnesota	Ridgeview Hospital - Waconia, MN
Kevin Smith, MD '07	University of Iowa	Mercy Hospital – Des Moines, IA
Nicole Stethem, MD '05	University of South Dakota	Avera McKennan Hospital – Sioux Falls, SD
Peter Tanghe, MD '03	University of Minnesota	Fairview Ridges Hospital - Burnsville, MN
Trenten Thorn, MD '06	University of Utah	Lakeview Hospital – Bountiful, UT
John Travnicek, MD '06	University of South Dakota	Avera McKennan Hospital – Sioux Falls, SD
Melissa Tschohl, MD '06	University of Minnesota	University of Minnesota Medical Center – Minneapolis, MN
Jeffrey Vespa, MD '00	Loyola University	North Memorial Medical Center- Robbinsdale, MN
Joseph Wahlberg, MD '06	University of Minnesota	St. John's Hospital – Maplewood, MN
Clark Williams, MD '03	University of Wisconsin	Mercy Hospital – Dubuque, IA
Stephanie Taft, MD '04	East Carolina University	Regions Hospital – St. Paul, MN
Beth Wicklund, MD '07	University of Minnesota	Methodist Hospital – St. Louis Park, MN
James Wood, MD '01	Mayo Medical School	Kaiser Permanente Northwest - Portland, OR
Jeffrey Young, MD '99	University of Minnesota	Elmendorf Air Force Base - Anchorage, Alaska
Robert Zeleznikar, MD, PhD '99	University of Minnesota	University of Minnesota Medical Center- Minneapolis, MN



*Pat Holland, MD ('02)
2007 retreat, The Bakken Museum*



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