

Focus on Excellence

Emergency Medicine Residency Program • 2003 Annual Report



Letter from the Director

It is a pleasure to bring you the first Regions Hospital Emergency Medicine Residency Program annual report. Our objective is to acquaint the many individuals that interact with our residency, with the breadth and depth of our program's accomplishments.

The mission of our residency program—to provide and promote excellence in patient care and education—is the theme around which we have based our report. We work toward our goal by focusing on two key principles: foremost among them is to train competent emergency physicians who will be able to comfortably practice in any emergency department in the country. Secondly, we strive to train future contributors and leaders of the specialty in such areas as research, education, administration, organized emergency medicine or some of the subspecialty areas such as toxicology, pediatric emergency medicine or EMS.

To accomplish our goals, our staff members work hard to maintain and nurture a residency that is patient and resident centered, and professional. In addition, we strive to train our residents in the knowledge, skills and attitudes necessary to instill excellence in emergency medicine—in our clinical, education and research environment. In all of these areas we emphasize teamwork and healthy habits of lifelong learning for our residents.

2003 was an exciting time for us at the Regions Hospital Emergency Medicine Residency Program. Brent Asplin, MD, MPH, was appointed department head in July and is focusing the department on the Institute of Medicine's six aims for improving the quality of health care—care that is safe, effective, patient-centered, timely, efficient and equitable. He also was appointed to the Institute of Medicine's committee to examine the future of emergency medicine.

Teri Gunnarson, MD joined the residency leadership team as assistant residency director, and is working in collaboration with Robert Knopp, MD and Mary Carr, MD. Drs. Susan Scanlon, Scott Burry and Jeahan Hanna joined us as faculty members after graduating from the Universities of Cincinnati, Virginia and Maryland's Emergency Medicine Residency Programs. In September, we received notice of a five-year continued full accreditation. Also, the 2003 American Board of Emergency Medicine (ABEM) certified physician report indicates that the board examination pass rate of our graduates continues to exceed the national average.

We are grateful for the support of so many people and departments at Regions Hospital as well as countless others outside the hospital. We look forward to strengthening all of our partnerships in 2004 and forming new ones along the way.



Felix Ankel, MD

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

Department Head Update

We are about to see dramatic changes in health care. Growing health care costs, wide variability in outcomes, and the daunting challenge of caring for the baby boomers' chronic care needs will all drive these changes. It is not a question of whether change will occur—it is a question of how we will change and who will lead the changes. I believe organizations that are able to model the future will be in the best position to lead. I also think that emergency physicians are ideally positioned to help their organizations and communities find better solutions for the health care challenges we face.

At Regions Hospital, we are committed to using the Institute of Medicine's six aims for improving the quality of health care (i.e. care that is safe, effective, patient-centered, timely, efficient and equitable). Using these aims as our guide, our goals for 2004 are ambitious and exciting:

- Make dramatic improvements in customer and staff satisfaction
- Improve our ability to function as multi-disciplinary teams in the ED
- Use evidence-based operations to improve patient flow in the department (which will leave more time for education and patient interactions)
- Redesign the triage and fast-track space in the ED
- Open a clinical decision unit
- Incorporate evidence-based guidelines in our admission decisions
- Make the transition to an electronic medical record

One of the most enjoyable duties I have as department head is meeting with our residency applicants. It is an energizing experience on many levels. It not only provides an opportunity to see the remarkable talents and accomplishments of the applicants, it also gives me a chance to talk about emergency medicine at Regions.

I am proud to be a member of this department and residency, and I am excited about its future.

This is what I tell our applicants:

- Our department is built around the emergency medicine residency program. The academic mission of this department (i.e. delivering excellence in teaching and research in an environment with outstanding clinical care) is the fundamental reason why I am here, and I believe this is true for the rest of our faculty.
- Our faculty trained at many of the best programs in the country, and this enhances both the clinical environment in the ED and the discussions during conferences. I am committed to maintaining a diverse training experience across our faculty.
- Our residency program leadership is committed to continuous improvement, and they engage residents, faculty and staff in this process. Our recent five-year accreditation is a reflection of the program's commitment to excellence.

Our department is on a mission to raise the bar on the quality of emergency care. We have the people and the resources to do it, and I am looking forward to making our vision a reality.



Brent Asplin, MD MPH

A handwritten signature in black ink, appearing to read "Brent Asplin". The signature is stylized and cursive.

Brent Asplin, MD MPH
Head, Emergency Medicine Department

Excellence in Patient Care

History of Program

Dr. Robert Knopp founded the Regions 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 began their training in 1996. Felix Ankel, MD has been involved with the residency since its inception and became residency director in July 2000. As of July 2003, the EM residency has graduated 38 residents from 17 medical schools that now practice in 14 states.

The HealthPartners Institute for Medical Education (IME)

The Regions Hospital Emergency Medicine Residency is a HealthPartners' Institute for Medical Education 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; explores policies in health care workforce issues; and studies issues in medical education. 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.

Drawing on the combined experience of more than 500 staff physicians, the IME consists of an extensive network of health care professionals, a health plan with more than 660,000 members and Regions Hospital, a premier, full-service teaching and research hospital. The IME has a formal affiliation agreement with the University of Minnesota that guides the educational relationship between the two organizations.

Class of 2006



Nathan Anderson, MD

- Native Minnesotan
- BA degree in International Political Economy from Colorado College – Colorado Springs – graduated Magna Cum Laude
- Programmer/analyst prior to med school
- AOA



Scott Donner, MD

- From Derby, Kansas
- Collegiate bowler at University of Kansas with a 220 average
- Taught Sunday school for five- and six-year-olds
- 2000 Rose Brooks Bridge Volunteer of the Year
- Enjoys sports of all kinds, particularly Kansas's basketball and walking his dogs

EMERGENCY DEPARTMENT STATISTICS

The Regions Hospital Emergency Center encompasses more than 15,000 square feet of clinical area with 34 treatment rooms including seven resuscitation rooms. In addition to the clinical area, the Emergency Center also includes 8,000 square feet for a departmental library, conference space and offices for faculty, residents and other department personnel.

- Approximately 60,000 patient visits per year
- Approximately 13% of patients are age 16 or under
- Approximately 2,500 trauma admissions and 700 trauma team activations each year
- 17% admission rate

Habits of Lifelong Learning

A major goal of the Regions Hospital Emergency Medicine Residency Program is to teach residents skills in lifelong learning. Developing these



skills is not a trivial process and we feel there are many technological opportunities to facilitate learning on a continual basis. Also, our 'residency family' has a tremendous amount of information to share, despite their geographic dispersion. We hope to keep this rich group of people communicating their knowledge through the tools that we can provide.

In 2003, the residency made significant improvements in these communications tools available to faculty, staff, residents and alumni. Early in the year, a new server was installed for the exclusive use of the residency. We have started a number of projects to utilize this server to improve resident education.

- Revision of the www.regionsem.org web site: This site, primarily for applicants, was redesigned to improve its 'look-and-feel' as well as improve the tools available for web site updates. This will allow us to keep the information on the site much more up-to-date.
- Applicant video revision: The video shown to all prospective residency applicants was revised and continues to be a major marketing tool for the program.
- Revision of the mailing list, EMRes: Maintenance is easier and membership is now greater than 90 subscribers.
- Streaming conference video: A pilot project continues with a goal of organizing digital video from our Wednesday conference and making it available for download through an Internet connection.
- Emergency Medicine Residency educational library—EMREL: Still in its infancy, the goal of EMREL to provide a place for digital journal articles, video, PowerPoint and links to be accessible 24-hours a day, seven days a week.

Overall, enabling lifelong learning for all of 'the family' is one of the goals of the residency. We welcome any input or ideas on achieving this goal.

Brad Gordon, MD
Director, Residency Technology



Jeffrey Geddes, MD

- Jeff attended medical school at the University of North Dakota.
- Former farmer and hospital food service worker
- AOA
- Hockey player who also enjoys broomball, flag football, downhill skiing, canoeing and bicycling.



Elizabeth Godin, MD

- From Watertown, Wisconsin
- Worked extensively with individuals with developmental disabilities
- Graduated from Medical College of Wisconsin
- Enjoys skiing, running, swimming and playing piano



Martin Richards, MD

- University of Minnesota Medical School
- RN
- First Degree Black Belt
- Hobbies include home improvement projects and woodworking

Excellence in Education

Residency Presentations 2003

Number of lectures	243 conference hours
Number of residents	4,616 resident hours of attendance
Number of workshops	52 workshops were taught to 39 rotators and 74 medical students
Number of labs	24 residents participated in 16 procedural skills labs

Resident Committee Involvement 2003

EMRA Representative	Tanya Kleven, MD
Member, IME Board of Directors	Keith Henry, MD



Trenten Thorn, MD

- From Salt Lake City
- Has worked as a carpenter, skate-shop manager, valet/bellhop and snowboarding judge.
- Attended medical school at the University of Utah
- Semi-professional snowboarder, enjoys reading, philosophizing, listening to music, playing soccer and pool, and skateboarding



John Travnicek, MD

- Attended medical school at the University of South Dakota
- Avid outdoorsman who favors bass fishing, pheasant and duck hunting
- John's wife, Tori, recently gave birth to their first child, a daughter, Ellie

MEDICAL STUDENT PROGRAM

University of Minnesota and outstate students continue to enroll in our two rotations—the core rotation and the advanced EM rotation. The student program is a success in terms of feedback from the U of M students, and continues to be one of the more popular electives for them to choose. Next year's plans include using the human simulator with the students during their workshops.

STUDENT NUMBERS FOR PAST YEAR

University of Minnesota students	58
Outstate students	16
Advanced students	13
Tox students	5



Current Residents

Class of 2004	Undergraduate	Medical School
Jon Fuerstenberg, MD	University of Minnesota	Mayo
Jessie Gillund, MD	University of Minnesota	University of Minnesota
Kurt Isenberger, MD	University of Wisconsin Oshkosh	Medical College of Wisconsin
Tanya Kleven, MD	University of North Dakota	University of North Dakota
Robert LeFevre, MD	St. Olaf College	Creighton University
Kelly Rhone, MD	University of South Dakota	University of South Dakota
Stephanie Witt, MD	North Carolina State University	East Carolina University

Class of 2005	Undergraduate	Medical School
Jared Friedman, MD	University of South Dakota	University of South Dakota
Keith Henry, MD	Northern Arizona University	University of Arizona
Jonathan Hokanson, MD	North Park College	University of Minnesota
Nicholas Johnson, MD	St. Olaf College	Creighton University
Todd Joing, MD	Bethel College	University of Minnesota
Darren Manthey, MD	University of Minnesota	University of Minnesota
Matthew Morgan, MD	Southwest Missouri State University	Finch University
Ann Schapiro, MD	University of Arizona	University at Buffalo SUNY
Nicole Stethem, MD	South Dakota School of Mines and Technology	University of South Dakota

Class of 2006	Undergraduate	Medical School
Nathan Anderson, MD	Colorado College Colorado Springs	University of Minnesota
Scott Donner, MD	University of Kansas	University of Kansas
Jeffrey Geddes, MD	University of Minnesota Duluth	University of North Dakota
Elizabeth Godin, MD	University of Wisconsin Madison	Medical College of Wisconsin
Martin Richards, MD	Augsburg College	University of Minnesota
Trenten Thorn, MD	Brigham Young University	University of Utah
John Travnicek, MD	Mount Marty College	University of South Dakota
Melissa Tschohl, MD	St. Cloud State University	University of Minnesota
Joseph Wahlberg, MD	Gustavus Adolphus College	University of Minnesota

Residency Awards 2003

Star Award	Lynn Howard, MD (resident teacher selected by medical students)
Apple Award	Kevin Kilgore, MD (faculty teacher selected by medical students)
Faculty Teaching Award	Carson Harris, MD (EM faculty selected by residents)
Excellence in EMD Research	Wade Barnhart, MD and Christopher Obetz, MD
Ian Swatez Award	William Mohr, MD (faculty teacher from outside EM selected by residents)



Melissa Tschohl, MD

- Native Minnesotan
- University of Minnesota Medical School
- Officer in the Army National Guard for past eight years and recipient of numerous medals and ribbons for outstanding service.
- Running, camping, hiking, biking and boating



Joseph Wahlberg, MD

- Native Minnesotan
- Gustavus Adolphus College – BA in Physics
- University of Minnesota Medical School
- Worked on scenery construction and lighting design for dance theater during undergrad years and spent five months as a porter and waiter in a hotel bar in England prior to med school.
- Enjoys theatre, volleyball, Ultimate Frisbee, hiking, canoeing and golf

Emergency Medicine Grads

Class of 1999	Medical School	Current Location
Christine DeLisle, MD	University of Minnesota	Fairview-Ridges Hospital – Burnsville, MN
Craig Grorud, MD	University of North Dakota	Abbott Northwestern Hospital – Minneapolis, MN
Amy Kolar, MD	Creighton University	North Memorial Medical Center – Robbinsdale, MN
James Parker, MD	Mayo	St. Francis Hospital – Shakopee, MN
Jason Roth, MD	University of Colorado	St. Anthony Hospital – Denver, CO
Kevin Sipprell, MD	University of Minnesota	Ridgeview Hospital – Waconia, MN
Jeffrey Young, MD	University of Minnesota	Elmendorf Air Force Base – Anchorage, Alaska
Robert Zeleznikar, MD, PhD	University of Minnesota	Fairview-University – Minneapolis, MN
Class of 2000	Medical School	Current Location
Bradley Barth, MD	University of Minnesota	HealthEast/St. Joseph Hospital – St. Paul, MN
Mary Fehringer Drake, MD	University of Nebraska	Bozeman Deaconess Hospital – Bozeman, MT
Theresa Gunnarson, MD	University of Minnesota	HealthPartners/Regions Hospital, St. Paul, MN
Paul Jewett, MD	St. Louis University	Fairview-University – Minneapolis, MN
Hal Minnigan, MD, PhD	University of Minnesota	Wishard Hospital – Indianapolis, IN
Paul Satterlee, MD	University of South Dakota	North Memorial Medical Center – Robbinsdale, MN
Jeffrey Vespa, MD	Loyola University	North Memorial Medical Center – Robbinsdale, MN
Class of 2001	Medical School	Current Location
Cheri Audrain-Schroeder, MD	University of Nevada	Fairview-Southdale Hospital – Edina, MN
Frank Coughlin, MD	University of South Dakota	Avera McKennan Hospital – Sioux Falls, SD
Cullen Hegarty, MD	University of Minnesota	HealthPartners/Regions Hospital, St. Paul, MN
Bradley Hernandez, MD	University of Iowa	HealthPartners/Regions Hospital, St. Paul, MN
Karen Lushine, MD	University of Minnesota	St. Mary's Hospital – Duluth, MN
John Seidner, MD	University of Vermont	Elliot Hospital – Manchester, NH
James Wood, MD	Mayo	Kaiser Permanente Northwest – Portland, OR
Susan Zola Cullinan, MD	University of North Dakota	Luther Midelfort Hospital – Eau Claire, WI
Class of 2002	Medical School	Current Location
Marny Benjamin, MD	Loyola University	Methodist Hospital – St. Louis Park, MN
John Bonta, MD	University of Nebraska	Bryan LGH Medical Center – Lincoln, NE
Laresa DeBoer, MD	University of Minnesota	Ridgeview Hospital – Waconia, MN
Bradley Gordon, MD	Creighton University	HealthPartners/Regions Hospital, St. Paul, MN
Randall Hofbauer, MD	University of Minnesota	Keesler Air Force Base – Biloxi, MS
Patrick Holland, MD	University of Hawaii	Madigan Army Medical Center -Seattle, WA
Phelps Johnson, MD, PhD	Medical College of Wisconsin	St. Mary's Hospital – Duluth, MN
Class of 2003	Medical School	Current Location
Kendal Baker, MD	Indiana University	Ball Memorial Hospital – Muncie, IN
Stephen Wade Barnhart, MD	Indiana University	North Memorial Medical Center – Robbinsdale, MN
Lynn Howard, MD	University of Minnesota	St. Joseph Medical Center – Brainerd, MN
Cynthia Kelmenson, MD	University of Pennsylvania	Medical Center of Aurora, Denver, CO
Christopher Obetz, MD	University of Minnesota	Abbott Northwestern Hospital – Minneapolis, MN
Christopher Russi, DO	Des Moines University	Fellow-Wright State University – Dayton, OH
Peter Tanghe, MD	University of Minnesota	Fairview Southdale – Edina MN
Clark Williams, MD	University of Wisconsin	Sacred Heart Hospital – Eau Claire, WI

Faculty

Faculty	Medical School	Residency
Felix Ankel, MD	University of Wisconsin	University of Illinois
Brent Asplin, MD	Mayo Medical School	University of Pittsburgh
Scott Burry, MD	Indiana University	University of Virginia
Mary Carr, MD	University of Michigan	Henry Ford Hospital
Won Chung, MD	Albany Medical College	Harvard Affiliated
Robert Dahms, MD	University of Minnesota	FP – St. Paul-Ramsey Medical Center
RJ Frascone, MD	University of Minnesota	FP – St. Paul-Ramsey Medical Center
Bradley Gordon, MD	Creighton University	Regions Hospital
Teri Gunnarson, MD	University of Minnesota	Regions Hospital
Paul Haller, MD	University of Minnesota	IM – University of Minnesota
Jeahan Hanna, MD	Wright State University	University of Maryland
Carson Harris, MD	University of Minnesota	Brooke Army Medical Center
Cullen Hegarty, MD	University of Minnesota	Regions Hospital
Bradley Hernandez, MD	University of Iowa	Regions Hospital
Joel Holger, MD	University of Minnesota	IM – Abbott Northwestern Hospital
Kory Kaye, MD	University of South Dakota	St. Vincent Medical Center
Kevin Kilgore, MD	University of North Dakota	Surgery – VA Medical Center; Ortho – Creighton University; Surgery – Sacred Heart Hospital, Yankton SD
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 – UCLA
Barbara LeTourneau, MD	University of Minnesota	Hennepin County Medical Center
Alda Moettus, MD	University of Minnesota	University of New Mexico
Kathleen Neacy, MD	University of Illinois Rockford	University of Michigan
Karen Quaday, MD	Wayne State University	Henry Ford Hospital
Susan Scanlon, MD	University of Cincinnati	University of Cincinnati



New Faculty 2003



Scott Burry, MD

- Hometown: Decatur, Indiana
- Undergrad: Ball State University
- Medical School: Indiana University
- Residency: University of Virginia
- Hobbies: Avid rock climber, skier and enjoys all things wilderness-medicine related



Jeahan Hanna, MD

- Hometown: Chagrin Falls, Ohio
- Undergrad: Northwestern University – Chicago, Illinois
- Medical School: Wright State University – Dayton, Ohio
- Residency: University of Maryland – Baltimore, Maryland
- Hobbies: Family, travel, skiing and scuba diving



Susan Scanlon, MD

- Hometown: Bloomington, Minnesota
- Undergraduate: University of California – San Diego
- Medical School: University of Cincinnati
- Residency: University of Cincinnati
- Hobbies: Travel, ceramics

Publications

Articles

Solberg LI, **Asplin BR**, Weinick RM, Magid DJ. Emergency department crowding: Consensus development of potential measures. *Ann Emerg Med*. 2003 Dec;42(6):824-34.

Asplin BR, Magid DJ, Rhodes KV, Solberg LI, Lurie N, Camargo CA. A conceptual model of emergency department crowding. *Ann Emerg Med*. 2003 Aug;42(2):173-180.

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Nordin J, **Asplin BR**, Kassenborg H. Syndromic Surveillance Systems. *Minnesota Physicians*. 2003 May; 17(2):1-10.

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Engebretsen KM, **Harris CR**, *Wood JE*. Cardiotoxicity and late onset seizures with citalopram overdose. *J Emerg Med* 2003 Aug; 25(2):163-6.

Frascone R, **Kaye K**, Dries D, Solem L. Successful Placement of Adult Sternal Intraosseous Line Through Burned Skin. *J Burn Care Rehabil*. Sept-Oct 2003; 24(5):306-8.

Plummer D, Heegaard W, Dries D, Reardon R, Pippert G, **Frascone RJ**. Ultrasound in HEMS: Its Role in Differentiating Shock States, *Air Medical Journal*. 2003 March-April;22(2)33.

Gualtieri J, *DeBoer LG*, **Harris CR**, Corley R. Repeated Ingestion Of 2-Butoxyethanol: Case Report and Literature Review. *J Toxicol Clin Toxicol* 2003; 41(1): 57-62.

Lushine KA, **Harris CR**, **Holger JS**: Methanol ingestion: prevention of toxic sequelae after massive ingestion. *J Emerg Med* 2003; 24(4): 433-436.

Holger JS, *Minnigan HJ*, **Lamon RP**, Gornick CC. The Use of Ultrasound to Determine Ventricular Capture in External Cardiac Pacing in an Animal Model. *Am J Emerg Med* 2003 May;21(3):227-229.

Kaye K, **Frascone RJ**, Held T. Prehospital Rapid Sequence Intubation: A Pilot Training Program. *Prehospital Emergency Care*. April-June 2003; 7(2): 235-40.



Book Chapters

Lawson LE, **Ankel F**, Kazzi AA, authors/In Kazzi, Schofer editors: What do Program Directors Look For in an Applicant? *AAEM's Rules of the Road for Medical Students*. 2003 American Academy of Emergency Medicine.

Asplin BR, White RD. A expansao do papel dos desfibriladores externos automaticos no tratamento da morte cardiaca subita (The expanding role of automated external defibrillators in the treatment of sudden cardiac death). In Filho FES, Maia IG, eds: *Morte Subita (Sudden Cardiac Death)*. Livraria e Editora Revinter Ltda; 2003.

Abstracts

Asplin BR, Rhodes KV, Crain L, Kellermann AL, Lurie N. Insurance without Care: Unreliable Access to Emergency Department Follow-up Care *Acad Emerg Med* 2003 10 (5) 546-547.

Adams AB, Morris TJ, **Holger JS**, Simonson DA, Dries DJ, Marini JJ. Cardiac Output Determination Methods Compared in Experimental Hemorrhagic Shock and Beta Blocker Overdose Models. *Am J Respir Crit Care Med* 2003; 167 (7): A254.

Harris CR, **Engebretsen KM**, *Williams C*: Use of Toxicology Admission Template in the Emergency Department. *J Toxicol Clin Toxicol* 2003;41(4):497.

Obetz CL, **Holger JS**, **Engebretsen KM**, *Kleven T*, **Harris CR**. Vasopressin vs Glucagon to Treat Beta-antagonist Toxicity in a Porcine Model . *Acad Emerg Med* 2003. 10(5) 517.

Boldface: faculty

Italics: residents



2003 EM Faculty



Class of 2006



Regions Hospital is a leading, full-service, private hospital providing outstanding medical and surgical care, with special programs in heart, women's care, surgery, seniors' services, digestive care, cancer, behavioral health, burn, emergency and trauma. Established in 1872, the hospital has served the Twin Cities and surrounding region for more than 130 years. Patients receive state-of-the-art care in an environment that promotes comfort and healing. The health professionals at Regions Hospital are involved in teaching and research focused on improving health and medical care. Regions Hospital is part of the HealthPartners family of health care organizations. Please visit the Regions Hospital web site at www.regionshospital.com.

Regions Hospital®

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