

Partners in Education

Emergency Medicine Residency Program • 2004 Annual Report



Letter from the Director

It is a pleasure to bring you the 2004 Regions Hospital Emergency Medicine Residency Program annual report. Our objective is to acquaint the many people that interact with our residency with the depth and breadth of our program's accomplishments.

The theme of our report this year—*Partners in Education*—reflects the way we grow, work and thrive as a program. The mission of our residency—to provide and promote excellence in patient care and education—is best accomplished by partnering with many other caregivers and learners to provide a patient-centered, learner-friendly environment. Throughout this report you will see examples of our partnership with emergency medical services (EMS), toxicology, social work and the HealthPartners Institute for Medical Education (IME) Simulation Center for Patient Safety.

Our residency efforts are guided by the Baldrige core values for educational criteria for performance excellence which include:

- Visionary leadership
- Learning centered education
- Organizational and personal learning
- Valuing faculty staff and partners
- Agility
- Focus on the future
- Managing for innovation
- Managing by fact
- Social responsibility
- Focus on results and creating value
- Systems perspective

Additionally, we strive to incorporate the Institute of Medicine's *Report on Health Professions Education: A Bridge to Quality* which suggests five core areas where students and working professionals should develop and maintain proficiency. They include:

- Delivering patient-centered care
- Working as part of interdisciplinary teams
- Practicing evidence-based medicine
- Focusing on quality improvement
- Using information technology

2004 marks the year that our residency program began partnering with others to provide education. In May, the Regions Hospital and Mayo emergency medicine residencies sponsored a combined conference in Cannon Falls, Minn. In November, we partnered with the Regions Hospital's department of surgery and Hennepin County Medical Center departments of emergency medicine and surgery to host an Emergency Medicine and Trauma Update honoring Dr. Robert Knopp. Our emergency medicine electronic discussion list, known as EMRes, continues to grow and serves as a forum for residents, faculty, alumni, nurses, physician assistants, outside consultants and many others to share and discuss new knowledge.



Felix Ankel, MD

2004 also saw some additions to our residency leadership, faculty and residents. Dr. Cullen Hegarty joined the residency leadership team as assistant residency director and works in collaboration with Drs. Robert Knopp and Teri Gunnarson. Dr. Bradley Gordon joined our faculty full-time after finishing a fellowship in medical informatics. In addition, Drs. Rachel Dahms, Kurt Isenberger, Rob LeFevere and Brian McBeth joined our faculty after graduating from Indiana University, Regions Hospital and the University of Michigan's emergency medicine residency programs. We matched a competitive Class of 2007—residents whom we feature in this report.

We are grateful for the support of so many partners within our residency and we look forward to an exciting year in 2005.

A handwritten signature in black ink, appearing to read 'Felix Ankel'.

Felix Ankel, MD
Program Director,
Emergency Medicine Residency

Department Head Update

In 2004, the Institute of Medicine (IOM) convened the Committee on the Future of Emergency Care in the U.S. Health System. As you can see at the project's website (<http://www.iom.edu/project.asp?id=16107>), the objectives of this study are to:

1. Examine the emergency care system in the U.S.;
2. Explore its strengths, limitations and future challenges;
3. Describe a desired vision of the emergency care system; and
4. Recommend strategies required to achieve that vision.

The scope of the project is ambitious, and it is unfolding at a critical time for both the U.S. health care system and the specialty of emergency medicine. The committee is asking important questions during a period of rapid changes in health care. What is the role of the emergency department? What is our vision for an ideal emergency care system and how would this system interact with the rest of health care? What weaknesses in today's emergency care system must be addressed if we are to achieve this vision?

Looking back at 2004 in the Emergency Department at Regions, I believe we challenged ourselves by asking similar questions. How do we make Regions a center of excellence for emergency care, education and research? How do we make the IOM's six aims for quality health care (care that is safe, effective, patient-centered, timely, efficient and equitable) become a daily reality for our patients and staff? What is our vision for the ideal emergency care system? The answers to these questions do not come easy. They require a daily focus on improving the quality of the systems in which we work.

This report's focus on partnerships is appropriate as we celebrate our accomplishments during 2004. Every step forward we took this year occurred because of partnerships—both within and external to our department. Using multi-disciplinary teams, we successfully cut patient waiting times in half; implemented a new patient tracking system; transitioned to a new team care model; reduced boarding times for admitted patients; and imple-

mented a protocol for early goal-directed therapy in sepsis patients. We also expanded our partnership with the Department of Emergency Medicine at the University of Minnesota and made strong progress in research, with new research staff and funding from both the NIH and private sources.

Our department places a great deal of emphasis on creating a learning environment. Our goal is to constantly strive to build safer and more reliable systems of care, and then share this with all of the professionals we are privileged to teach. There is no better example of a continuous drive for excellence than our residency training program. Once again, we were fortunate to recruit an outstanding intern class in 2004. Our residency leadership team remains committed to continuous quality improvement, patient-centered care and resident-centered learning opportunities.

It is exciting to see the progress that has been made, and yet there is so much that stands between where we are today and our vision of the ideal emergency care system. Together, we are building the partnerships that will help us realize that vision. It is a privilege to work in a department that is not only dedicated to creating the safest and most reliable emergency care system possible, but also one that is committed to training the professionals who will lead that system in the future.

Best wishes for a safe and happy 2005.



*Brent Asplin, MD, MPH
Head, Emergency Medicine Department*



Brent Asplin, MD MPH

A History of Partnership

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 2004, the EM residency has graduated 45 residents from 18 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 2007



Roseann Ekstrom, MD

- University of Minnesota
- AOA Member
- Former Pharmacist
- Served on medical teams in Peru and Honduras
- Enjoys travel and has visited Sweden, Portugal, Italy, France and Peru



Sandy Fritzlar, MD

- Mayo Medical School
- Volunteer for medical missions in Tanzania and Guatemala as well as soup kitchens in Duluth and San Diego
- Enjoys all outdoor activities and sports, particularly Taekwondo



Martin Klinkhammer, MD

- Mayo Medical School
- Former PCA at Regions Hospital
- Finisher in Grandma's Marathon – 2001
- Medical mission volunteer in Kenya
- Interests include: basketball, guitar, soccer, football, English literature, theology & international travel



Heidi Lako-Adamson, MD

- University of North Dakota
- AOA Member
- Paramedic
- Volunteer medical staff for local Special Olympics
- Target markswoman; enjoys working on the family farm running heavy machinery



Joseph Madigan, MD

- University of Minnesota
- Former ERT at Regions Hospital
- Started the U of M's annual blood drive
- Interests include family, carpentry, flying, and climbing



Emily Mason, MD

- University of Wisconsin
- Olympic Torchbearer – Winter 2002
- Two-time All-American in Track & Field
- Spent three summers traveling with a mission team throughout Europe, Asia and the Middle East
- Interests include all forms of athletics and performing as a unicycling clown

Emergency Department Operations

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

The residents are part of the multi-disciplinary care team that thrives on collaboration and teamwork and are

able to tap into the decades of cumulative skill and experience of the nursing staff. The Regions Hospital emergency department is staffed with over 100 ACLS and TNCC trained nurses—many with ENPC, PALS and ENA certifications that are the catalyst for making a vital difference in patients' lives. The nurses define standards of excellence in care that lead the way for Building Efficiency, Satisfaction and Teamwork (BEST) at Regions Hospital emergency department. Sixty-four specially trained emergency room technicians provide hands-on support to the nursing and medical staff around the clock, and support the intensity, challenge and pace of a Level 1 Trauma Center Emergency Department.

*Kathy Reeves, RN, CEN
Nurse Manager, Emergency Center*

*Jeff Fritz,
Assistant Manager, Operations
Emergency Center*

RESIDENCY PRESENTATIONS 2004

The Regions 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 | 232 conference hours |
| Number of residents | 4,515 resident hours of attendance |
| Number of workshops | 52 workshops were taught to 43 rotators and 72 medical students |
| Number of labs | 24 residents participated in 16 procedural skills labs |

*Teri Gunnarson, MD
Assistant Residency Director*

Habits of Lifelong Learning

Developing the skills of lifelong learning is not a trivial process and we are continually updating our resources to facilitate ongoing education and strengthen our many partnerships. 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 2004, we continued to grow with the ‘educational server’ that we installed in 2003. This server is basically a computer that provides us with communications tools such as serving web pages, our email lists and media file server (e.g. video files) and is available to faculty, staff, residents and alumni. This is crucial to our mission of keeping our alumni connected to our educational program. We believe that our current residents and faculty have much to learn from alums in the ‘real’ world and that those off working in far away places can pick up a practice tip or two from our educational content distributed through the server.

- EMRes, our flagship email distribution list, now has 120 subscribers—up 30 from last year. There are, on average, 41 messages sent per month, many with attached files distributing diverse content and wisdom from current residents, alumni and faculty.

- Streaming conference video: Thanks to the efforts of Todd Joing and with the additional help of Kevin Smith, we now have consistent digital video recordings of our Wednesday conferences. Description of the video and links to the RealVideo files are provided for you on the EMREL educational library.
- Emergency Medicine Residency Educational Library—EMREL: The goal of EMREL is to provide a place for digital journal articles, video, PowerPoint and links to be accessible 24-hours a day, seven days a week. The project continues to grow. Educational volunteers have been assisting us in making this more robust. Weekly emails are distributed to the EMRes email list that describe the newest EMREL items from that week.
- Educational Volunteers: These individuals help us capture the wisdom put forth by the faculty and residents in the form of video recording and posting content to EMREL, and in turn receive exposure to an excellent medical educational program.

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

Brad Gordon, MD
Director, Residency Technology



Lane Patten, MD

- University of Minnesota
- AOA Member
- Surgical Intern of the Year, Baylor College of Medicine
- Native Minnesotan who enjoys reading, home improvement, snorkeling and scrapbooking



Kevin Smith, MD

- University of Iowa
- Gold Humanism in Medicine Honor Society
- Organizes donations for national and international relief programs through his church
- Special interest in computers and technology in medicine



Beth Wicklund, MD

- University of Minnesota
- Astrophysicist with a special interest in women’s health issues
- Competitive sailor who also enjoys gardening, photography, ceramics, and fiber arts

Building Partnerships

Partners with EMS

At Regions, making the EMS rotation a highlight of the residency is an important part of the EMS mission. The program offers a myriad of experiences aimed at providing the resident a meaningful education in EMS. We believe this education will aid the resident throughout his/her career, regardless of whether or not that career involves medical direction responsibilities.

The one-month rotation occurs in the first year. It includes ride-alongs with several services, which represent a variety of ways that EMS is delivered in the United States. These ride-along experiences are aimed at giving the resident an idea of pre-hospital medicine and an appreciation for some of the unique challenges faced by pre-hospital personnel. There is also a ride-along with the medical director, which provides an overview of the entire system. A shift is also offered on the Life Link III helicopter to offer residents some familiarization with air-medical care of patients and with critical care inter-facility transport.

With time spent in both the dispatch center and in the Medical Resource Control Center (MRCC), the resident also becomes acquainted with EMS communications and medical control. The medical management of Multiple Causality Incidents (MCIs) is discussed during the rotation and, if possible, the residents participate in MCI drills that may occur during the rotation.

EMS teaches more than 75 courses a year, including ACLS and PALS. There are multiple opportunities for residents to teach those courses and this invariably occurs several times throughout the month. Regions Hospital EMS also provides the medical direction for the Inver Hills Community College paramedic program. In fact, several of the residents have taught at the college and have then become significantly involved in that program.

Residents also participate in critical case reviews with the paramedics and EMTs. During the month, the resident attends several administration meetings including staff meetings, EMS agency meetings and emergency medical dispatch tape reviews. This administrative activity gives the residents a flavor for the business and the politics associated with EMS.

For residents interested in a career in EMS, and for those who would like to make some aspect of EMS their scholarly project, EMS offers associate medical directorships and multiple research opportunities.

In summary, Regions EMS staff strives to make the EMS experience valuable, interesting and enjoyable. We believe that the opportunity to work with residents enriches both the resident and the EMS system.

*RJ Frascone, MD
EMS Medical Director*

*Koren Kaye, MD
EMS Co-Medical director*

*Patrick L McCauley
EMS Program Director*



Medical Tent, Twin Cities Marathon 2004.

Partners with Toxicology

The Toxicology Service is an active section of the EMD. The primary role of the service is to provide education on toxicology topics, and consultations to the ED, hospital wards and clinics. In addition, the service participates in ED research.

In the past, the Toxicology or 'Tox' Service has scheduled educational conferences that include Interesting Case Discussions, Forensic Toxicology Case Review, Core Toxicology Lectures, Quarterly Renal/Toxicology Conferences, weekly Tox Journal Club and weekly toxicology book chapter review. In 2004, we added Adverse Drug Reactions Review.

During 2004, the Tox Service gave approximately 16 formal presentations to regional conferences, community hospital grand rounds, local schools and colleges, and Regions Hospital Residency programs (EM and IM). The service averages approximately 30 formal consultations a month, in addition to informal educational consults and telephone consults. Five medical students and 12 PharmD candidates rotated on the Tox Service this year.

The Toxicology Service will be extensively involved in the new two-year Medical Toxicology Fellowship to begin July 1, 2005 (position already filled). The fellowship accepts one fellow per year and covers a broad range of toxicology areas that include clinical, environmental,

occupational, public health and poison control. The Service has also accepted a PharmD candidate into the new Toxicology Residency to begin July 1, 2005.

Kristin Engebretsen, PharmD
Clinical Toxicologist

Carson Harris, MD
Director, Toxicology Consult Service

Partners with Social Work

The Regions Hospital Emergency Department ER Crisis Program is staffed 24-hours a day with on-site personnel to provide psychiatric assessments, and to implement and expedite dispositions for patients with mental and chemical health issues.

The Crisis Program was one of the first of its kind in the country and has been in existence for over 25 years. Currently, the staff includes 18 licensed master's level social workers with an average of 25 years of crisis and other social work experience. The program serves over 5,600 patients a year and provides service to vulnerable populations and victims of child abuse, domestic violence and rape.

The presence of social workers within the ED contributes to the smooth functioning of interdisciplinary team care and provides education to residents, students and health care staff on both a formal and informal basis.

Nancy Harold, LICSW
Manager, ER Crisis Program



Rachel Dahms, MD

- Undergrad: University of Minnesota
- Medical School: University of Minnesota
- Residency: Indiana University Indianapolis, IN



Bradley Gordon, MD

- Undergrad: Colorado State University
- Medical School: Creighton University, Omaha, NE
- Residency: Regions Hospital, St. Paul, MN
- Fellowship: University of Minnesota/NLM Fellow in Medical Informatics



Kurt Isenberger, MD

- Undergrad: University of Wisconsin-Oshkosh
- Medical School: Medical College of Wisconsin, Milwaukee, WI
- Residency: Regions Hospital, St. Paul, MN



our residents. Our team of simulation educators has grown with the addition of Jeahan Hanna working at the center and Jessie Nelson undertaking her educational fellowship with a focus on medical simulation.

Plans for 2005 include continuation of the student workshop and adult and pediatric cases for our residents; our first annual PA Critical Care skills workshop; the creation of a leadership/teamwork/communication ‘crisis resource management’ course for our residents and EMD staff by Jessie Nelson; and the use of the center for our oral board exams.

*Cullen Hegarty, MD
Assistant Residency Director
Director, Emergency Medicine
Simulation Program*

Partners with Simulation

This past year has been a great time of growth and learning for our department with medical simulation. We have been able to use the Simulation Center for adult and pediatric cases for our residents, the resuscitation workshop for the medical students, and airway and fiberoptic scope skills training for



Robert LeFevre, MD

- Undergrad: St. Olaf College, Northfield, MN
- Medical School: Creighton University, Omaha, NE
- Residency: Regions Hospital, St. Paul, MN



Brian McBeth, MD

- Undergrad: Stanford University, Palo Alto, CA
- Medical School: University of Michigan Medical School, Ann Arbor, MI
- Residency: University of Michigan/St. Joseph Mercy Hospital, Ann Arbor, MI

MEDICAL STUDENT PROGRAM

University of Minnesota and outstate students continue to enroll in our three rotations—the core rotation, the advanced EM rotation and the toxicology rotation. A 2004 shift was to encourage EM-interested students into our advanced career track rotation. The career track rotation has focused faculty clinical contact and additional ultrasound, EKG, EMS, resuscitation simulation workshops and career advice exposure. 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.

| Students | 2003 | 2004 |
|----------------------------------|------|------|
| University of Minnesota students | 57 | 50 |
| Outstate students | 16 | 22 |
| Advanced students | 13 | 28 |
| Tox students | 5 | 5 |
| Total | 73 | 72 |

Current Residents

| 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 Tsohl, MD | St. Cloud State University | University of Minnesota |
| Joseph Wahlberg, MD | Gustavus Adolphus College | University of Minnesota |
| Class of 2007 | Undergraduate | Medical School |
| Roseann Ekstrom, MD | University of Minnesota | University of Minnesota |
| Sandy Fritzlar, MD | University of Minnesota-Duluth | Mayo Medical School |
| Martin Klinkhammer, MD | St. John's University | Mayo Medical School |
| Heidi Lako-Adamson, MD | North Dakota State University | University of North Dakota |
| Joseph Madigan, MD | University of St. Thomas | University of Minnesota |
| Emily Mason, MD | University of St. Thomas | University of Wisconsin |
| Lane Patten, MD | University of Minnesota | University of Minnesota |
| Kevin Smith, MD | Wartburg College | University of Iowa |
| Beth Wicklund, MD | Tufts University | University of Minnesota |



RESIDENCY AWARDS 2004

| | |
|--|----------------------------|
| <i>Star Award</i> (resident teacher selected by medical students) | Robert LeFevre, MD |
| <i>Apple Award</i> (faculty teacher selected by medical students) | Cullen Hegarty, MD |
| <i>Faculty Teaching Award</i> (EM faculty selected by residents) | Karen Quaday, MD |
| <i>Nurse Educator Award</i> (EM nurse selected by residents) | Mary Healy, RN |
| <i>Excellence in EMD Research</i> | Kurt Isenberger, MD |
| <i>Ian Swatez Award</i> (faculty teacher from outside EM selected by residents) | Raj Sarpal, MD |

RESIDENT COMMITTEE INVOLVEMENT 2004

| | |
|---------------------------------------|----------------------------|
| <i>EMRA Representative</i> | Nathan Anderson, MD |
| <i>Member, IME Board of Directors</i> | Keith Henry, MD |

Emergency Medicine Grads

| Class of 1999 | Medical School | Current Location |
|-----------------------------|------------------------------|--|
| Christine DeLisle, MD | University of Minnesota | St. Francis Hospital - Shakopee, MN |
| Craig Gorud, 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 Medical School | 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 Medical Center - Minneapolis, MN |
| Class of 2000 | Medical School | Current Location |
| Bradley Barth, MD | University of Minnesota | HealthEast/St. Joseph Hospital - St. Paul, MN |
| Mark Bernas, MD | University of Minnesota | Deceased |
| 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 Medical Center - 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 | Bryan LGH Medical Center - Lincoln, NE |
| 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 Medical School | 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 | University of Iowa - Iowa City, IA |
| Peter Tanghe, MD | University of Minnesota | Fairview Ridges Hospital - Burnsville, MN |
| Clark Williams, MD | University of Wisconsin | Santa Clara Medical Center - San Jose, CA |
| Class of 2004 | Medical School | Current Location |
| Tanya Kleven Decker, MD | University of North Dakota | St. Luke's Hospital - Cedar Rapids, IA |
| Jon Fuerstenberg, MD | Mayo Medical School | Critical Care Fellowship - University of Minnesota |
| Kurt Isenberger, MD | Medical College of Wisconsin | HealthPartners/Regions Hospital - St. Paul, MN |
| Robert LeFevere, MD | Creighton University | HealthPartners/Regions Hospital - St. Paul, MN |
| Jessie Gillund Nelson, MD | University of Minnesota | Educational Fellowship - Regions Hospital - St. Paul, MN |
| Kelly Rhone, MD | University of South Dakota | Bryan LGH Medical Center - Lincoln, NE |
| Stephanie Witt, MD | East Carolina University | Carolina HealthCare System - Charlotte, NC |

Faculty

Faculty

Felix Ankel, MD
 Brent Asplin, MD, MPH
 Scott Burry, MD
 Mary Carr, MD
 Won Chung, MD
 Rachel Dahms, MD
 Robert Dahms, MD
 RJ Frascone, MD
 Bradley Gordon, MD
 Teri Gunnarson, MD
 Paul Haller, MD
 Jeahan Hanna, MD
 Carson Harris, MD
 Cullen Hegarty, MD
 Bradley Hernandez, MD
 Joel Holger, MD
 Kurt Isenberger, MD
 Kory Kaye, MD
 Kevin Kilgore, MD
 Robert Knopp, MD
 Peter Kumasaka, MD
 Richard Lamon, MD
 Robert LeFevere, MD
 Barbara LeTourneau, MD
 Brian McBeth, MD
 Alda Moettus, MD
 Kathleen Neacy, MD
 Karen Quaday, MD
 Susan Scanlon, MD

Medical School

University of Wisconsin
 Mayo Medical School
 Indiana University
 University of Michigan
 Albany Medical College
 University of Minnesota
 University of Minnesota
 University of Minnesota
 Creighton University
 University of Minnesota
 University of Minnesota
 Wright State University
 University of Minnesota
 University of Minnesota
 University of Iowa
 University of Minnesota
 Medical College of Milwaukee
 University of South Dakota
 University of North Dakota
 University of Minnesota
 University of Rochester
 Loma Linda University
 Creighton University
 University of Minnesota
 University of Michigan
 University of Minnesota
 University of Illinois-Rockford
 Wayne State University
 University of Cincinnati

Residency

University of Illinois
 University of Pittsburgh
 University of Virginia
 Henry Ford Hospital - Detroit
 Harvard Affiliated
 Indiana University
 FP - St. Paul-Ramsey Medical Center
 FP - St. Paul-Ramsey Medical Center
 Regions Hospital
 Regions Hospital
 IM - University of Minnesota
 University of Maryland
 Brooke Army Medical Center
 Regions Hospital
 Regions Hospital
 IM - Abbott Northwestern Hosp.
 Regions Hospital
 St. Vincent Medical Center -Toledo
 Ortho - Creighton University
 Valley Medical Center - UCSF-Fresno
 Christ Hospital - Chicago
 FP - Loma Linda University
 Regions Hospital
 Hennepin County Medical Center
 University of Michigan
 University of New Mexico
 University of Michigan
 Henry Ford Hospital - Detroit
 University of Cincinnati

Education Fellow

Jessie Gillund Nelson, MD

University of Minnesota

Regions Hospital



2004 EM Faculty

Publications

Articles

Coates WC, **Ankel F**, Birbaum A, Kosiak D, Broderick KB, Thomas S, Leschke R, Collings J. The virtual advisor program: Linking students to mentors via the World Wide Web. *Acad Emerg Med*. 2004 Mar; 11(3):253-55.

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Magid RJ, **Asplin BR**, Wears RL. The quality gap. Searching for the consequences of emergency department crowding. *Ann Emerg Med*. 2004 Dec. 43(4):586-8.

Solberg LI, Maciosek MV, Sperl-Hillen JM, Crain AL, Engebretson KI, **Asplin BR**, O'Connor J. Does improved access to care affect utilization and costs for patients with chronic conditions? *Am J Manag Care* 2004 Oct; 10(10):717-22

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Heegaard W, Plummer D, Dries D, **Frascone RJ**, Pippert G, Steel D, Clinton J. Ultrasound for the Air Medical Clinician. *Air Medical Journal*. 2004 Mar-Apr;23(2):20-3.

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Funded Studies

Anderson, Nathan, Thorn, Trenten: Emergency Medicine Foundation, Resident Research Grant: Time to Intervention During Periods of ED Crowding

Asplin, Brent

- Kaiser Family Foundation: A Multicenter Study of ED Crowding
- K-08 Career Development Award, Agency for Healthcare Research and Quality: ER Crowding: Causes and Consequences
- Kaiser Family Foundation: ED Access Study: Insurance as a Barrier

Carr, Mary. Bush Medical Fellowship

Donner, Scott: Training of Emergency Medicine Residents Using Simulation

Flottemesch, Thom: Emergency Medicine Foundation, Riggs Health Policy Grant: Estimating the Costs of ED Crowding

Frascone, RJ: ACD/ITV CPR

Gordon, Brad: K-22 Career Development Award, National Library of Medicine: ED Operations Research Infrastructure

Gunnarson, Teri: Transitional Care in a Healthcare Organization

Holger, Joel: HealthPartners Research Foundation, Internal Grant: A Comparison of Vasopressin and Epinephrine, and Insulin in Beta-blocker Induced Toxicity

Boldface: faculty

Boldface italics: residents



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