

# Department of ANESTHESIA

THE UNIVERSITY OF IOWA

Spring 2007, Volume 3

## INSIDE THIS ISSUE

- 3 Administrator's Corner
- 4 Spotlight on a Clinical Division
- 6 Spotlight on Faculty
- 6 Division Team Profile
- 8 "Moment in Time"
- 10 Faculty News
- 12 Spotlight on Investigator
- 12 Current Research
- 15 Resident Research
- 16 Meet Our Residents
- 18 Meet Our Fellows
- 19 Meet Our SRNA Program
- 20 Farewell to Graduating Residents
- 22 Farewell to Graduating Fellows
- 24 Meet Our Newsletter Staff
- 25 SRNA Program Highlights
- 26 Photo Gallery
- 28 Upcoming CME Conferences
- 28 Alumni Update
- 29 Alumni Profile
- 30 Mark Your Calendar
- 31 Letter from the UI Foundation

## NOTES FROM THE Chair

*We're back and we're on schedule!*



Michael M. Todd, MD

When we decided to resume the publication of a departmental Newsletter last Fall, we decided that we were going to treat this like a truly professional publication, rather than an ad hoc "do it when we feel like it" communication. The Newsletter needs to be the face of the Department for our faculty, staff, alums and friends - and I want that to be a very high quality and professional face.

As you know, after 17 years with *Anesthesiology*, I have some experience in the publication business. In addition, we're lucky to have the services of Barbara Bewyer, who served as the Managing Editor of *Anesthesiology* for 10 years (and worked with the *Spine* journal before that), so she knows even more about the publications business than I do. We've also expanded our support group for the Newsletter. Jim Lane continues with us (Jim was almost single-handedly responsible for previous Newsletters), and Tyrone Whitter, M.D., Ph.D. will be taking the reigns as "Editor-in-Chief." Resident Clint Rozycki, M.D. is also a contributing member of the Newsletter team. Our goal is to bring the Newsletter to you twice a

year (Spring and Fall), with a format and content that you will find interesting - and of which we can all be proud.

Each issue of the Newsletter will be a bit different, but over the course of time, we want to devote space to all of the important activities of the Department, its people (faculty, residents, CRNAs, SRNAs, staff, etc.). We'll keep you posted on new and departing faculty and trainees, educational and academic activities in the Department, and other "special items" (like the article on Simulation in the Fall 2006 issue). We'll be highlighting one of our subspecialty areas each issue, as well as key members of our Department. Perhaps most importantly, we want to use this as a vehicle to improve our communications with our alumni. That means we want to gather information from you, the readers, about your lives, professional and otherwise. We're trying to build a much better database of our alumni and friends, so you can expect to get some e-mail messages and letters asking for information regarding yourself, and perhaps some of your colleagues. We also are going to venture a bit into "scientific publications." As you know, we've got some impressive experts in the Department, and our residents are becoming more and more active in academic activities. Starting as soon as possible, and definitely by the Spring of 2008, we'll start including a brief scientific article focused on a clinical area, authored by one of our faculty and a resident or fellow. Let us know what topics you'd like to see covered, and also whether you'd be interested in our pursuing the option for CME credits for these articles.

## NOTES FROM THE Chair (continued)

### New and Improved

A lot of things have been happening. The new Ambulatory Surgical Center opened its doors on March 26th, under the direction of Douglas Merrill, M.D., formerly working as the Ambulatory Surgical Center Director at the Virginia Mason Clinic in Seattle, WA. You can look forward to reading more about this new facility, as well as view a presentation of photographs, in the Fall 2007 Newsletter. We are also expanding the Main Operating Room area by moving into former Ambulatory Surgery Center Operating Rooms. Caseloads at the University of Iowa continue to grow. Everyone has been feeling a bit constrained, and we'll be opening enough space to accommodate several thousand



Left to right: Dave Loebsack, U.S. Congressman; Toni Booker, R.N., Program Director, ASC; Doug Merrill, M.D., Medical Director, ASC; Amir Arbiser, M.D., Board of Regents; John Staley, Ph.D., Senior Associate Director, UIHC; Jean Robillard, M.D., Dean, College of Medicine

added cases per year. In the near future, we'll be seeing a completely renovated Day of Surgery Admissions area, new pediatric facilities (including dedicated pre- and postoperative areas and ORs), new Main OR interventional radiology rooms, renovated urology suites (with new operative areas and recovery room), and much more. Coincident with this, we'll be implementing some extensive operational changes. We're coming to the end of a year's visit from DJ Sullivan Healthcare Consulting, Inc., a major medical consultation firm, and their report will provide the guidance for these changes. Under the leadership of Javier Campos, M.D., who was just named the Main OR Medical Director, we anticipate implementation of new ideas in service leadership regarding how the ORs will be managed -- from practical day-to-day operations, to philosophy and attitude regarding patient care and personnel, to productivity. The Department has also garnered another kudo. William Hamilton, M.D. (Resident class of 1951 and Department Chair from 1958 to 1967) has just been awarded the University of Iowa Carver College of Medicine Distinguished Service Award for 2007. You can find an article on Bill on page 29 in this issue.

### Administrative Changes

Some of you may have heard about some major reorganizational changes in the College of Medicine and the Hospital. In early 2007, Jean Robillard, M.D. (Dean of the Carver College of Medicine) was named Vice President for Medical Affairs, with responsibility for overseeing improvements to the integration of the three University of Iowa patient care organizations: University of Iowa Hospitals and Clinics, the Carver College of Medicine, and University of Iowa Physicians. Interim University of Iowa President Gary Fethke made this appointment, as he felt strongly that the longstanding separation between the College and the UIHC was not conducive to optimum patient care or academics - since, in reality, both the College and the Hospital are inseparably involved in the same mission. This administrative change will go a long way toward eliminating some of the barriers between the two units, although this process is still in its infancy and a lot of critical details remain to be worked out.

### International Symposium

I need to mention one other truly novel event. On March 3-6, 2007, the Department sponsored the First Annual "Iowa International Anesthesia Symposium" in the Los Cabos area of Baja, Mexico. This was accomplished in conjunction with the Baja Society of Anesthesiologists and was organized by Dr. Campos. We had anticipated about 100 registrants, and ended up with well over 200 (including nearly 100 people who signed up for our upcoming Regional Anesthesia and Airway Management Workshops)! The weather and the location (the Crowne Plaza Hotel in San Jose del Cabo) were both superb - it was a simply beautiful experience. The contrast between the blizzards of the Midwest and the beautiful, sunny beaches of Cabo was striking. You can see a collection of photos from the meeting on the Department's Web page (<http://www.anesth.uiowa.edu>). We are already looking forward to the Second International Symposium next year. We'll give you more information in the Fall Newsletter, but you can start thinking now about setting aside approximately 5 days in March 2008 (this will be before most university's Spring Break weeks, as we don't want to be in Cabo when the hoards of college students arrive!). We're also making plans for some other local CME activities that I hope many of you will plan to attend. Look for the section in this Newsletter regarding upcoming Department CME conferences.

Thank you for your support and interest. I hope to see as many of you as possible in the future.

Michael M. Todd, M.D.  
Chair, Department of Anesthesia

## ADMINISTRATOR'S Corner

## Meet the Administrative Team



John Stark, B.S., M.B.A.

Within the UI Department of Anesthesia, we are very fortunate to have a strong, dedicated administrative staff, each with a well-defined area of emphasis.

### The members of this team play a vital role in our department's overall success.



**Susan Fullenkamp**  
Anesthesia Human Resources Manager

Susan joined Anesthesia as our Human Resources manager in May of 2005. Prior to this, she worked for the Office of International Students and Scholars, thus bringing with her a wealth of information regarding immigration and visa management, crucial issues in today's faculty recruitment process.

Since coming, Susan has worked tirelessly to migrate our department from an overwhelming sea of paper to a much more efficient paperless system, increasing faculty accessibility to their files and simplifying the promotion and review processes.



**Kris Jones**  
Anesthesia Billing Manager

Kris has been with the department since November 1998, following many years of service in the UIHC Business Office. While in the hospital's Business Office, Kris focused on physician billing and eventually became the institutions expert in the complex area of anesthesia billing. The major challenges for the coming year, among other things, are the Epic software installation with its impact on documentation and the addition of the IDX Anesthesia Module, replacing our longtime billing software from ABC. Kris's knowledge of anesthesia billing requirements and her experiences of software conversions will continue to prove invaluable during this time.



**Jim Lane**  
Anesthesia Projects Manager

Jim originally came to Anesthesia in February of 1999 as a Research Assistant, but following a promotion in March of 2000, he has the dubious honor of being our "jack of all trades." Jim's primary responsibilities include administrative oversight of the Anesthesia Workroom, the department's computer group and the Simulator Center. Jim also coordinates

the department's external marketing, including our external CME conferences, such as the Cabo Symposium, as well as fundraising.

Jim tends to wear many other hats as well. Most recently, he has contributed immensely with human resource coverage prior to Susan's arrival, coordination and completion of the Fall 2006 Newsletter, and administrative support for the Nurse Sedation program.



**Cindy Pierce**  
Anesthesia Grant Manager

Cindy had been with the UI Department of Internal Medicine for approximately 10 years before joining us in 2004. She brought with her a strong background in the grant administration process, both pre- and post-award. Cindy's role is to assist faculty and research staff pre-award with issues such as grant applications, industry contracts and

budgets, followed by post-award management of grant accounts. Each of our various research staff definitely keeps her busy.



**Janan Winn**  
Secretary to the Chair

Janan has been with Anesthesia since 1996. She developed a strong working relationship with Dr. Todd as the secretary for the IHA22 NIH project beginning in 1999. At the completion of the study, Janan accepted a position in Dr. Todd's *Anesthesiology* journal editorial office, helping the team in manuscript processing. Finally, when Dr.

Todd became the permanent department chair, Janan began working directly with him as his secretary. She works tirelessly trying to maintain his hectic schedule and get him where he needs to be.

If you happen to interact with anyone on this team, please extend your appreciation for all they do for UI Anesthesia!

John Stark, B.S., M.B.A.  
Anesthesia Department Administrator





# Spotlight on a Clinical Division

## The Peter J.R. Jebson Hyperbaric Medicine and Wound Care Facility

Hyperbaric Oxygen is an approved and efficacious primary and/or adjunctive therapy for the following conditions:

- Air or Gas Embolism
- Carbon Monoxide Poisoning
- Gas Gangrene
- Crush Injury
- Compartment Syndrome
- Acute Peripheral Ischemias
- Decompression Sickness
- Enhancement of Healing in Selected Problem Wounds
- Exceptional Blood Loss Anemia
- Necrotizing Soft Tissue Infections
- Osteomyelitis (refractory)
- Delayed Radiation Injury (soft tissue and bony necrosis)
- Skin Grafts and Flaps (compromised)

Hyperbaric medicine is a relatively new specialty that uses high doses of oxygen as a therapeutic modality. In a typical hyperbaric oxygen (HBO) treatment, the patient is placed in a specially-designed pressure chamber and breaths 100% oxygen while being pressurized to approximately 2.5 times normal atmospheric pressure. This combination of oxygen and pressure results in a large increase in the amount of oxygen that is dissolved in the patient's blood, which has many beneficial effects including the promotion of wound healing, improved bacterial killing, and rapid removal of carbon monoxide.

The practice of hyperbaric medicine began at the University of Iowa in 1988 when Dr. Peter J.R. Jebson, an anesthesiologist who also practiced critical care medicine and cared for patients in the surgical intensive care unit, became interested in using hyperbaric oxygen in the treatment of severe, life threatening infections. At that time, a duoplace chamber (i.e., a chamber capable of holding two patients at a time) was obtained and the Hyperbaric Medicine Service (HMS) was born. In addition to treating these infections, the service became involved in all aspects of

hyperbaric medicine, including wound care.

The service continued to grow until the duoplace chamber could no longer handle the patient load. Thus, a larger, custom-made multiplace (capable of holding multiple patients at the same time) chamber was purchased and installed in 1995. Because of the chamber's size and weight (23 feet long, 7 feet in diameter, 24,000 pounds), it was necessary to bring the chamber in through the seventh floor roof and down a shaft to the fifth floor. It was then moved on air cushions to its present location on the fifth floor between the operating rooms and surgical intensive care unit.

In recognition of Dr. Jebson's indispensable dedication and involvement in the formation and subsequent success of the service, the Hyperbaric Medicine Service was officially renamed the Peter J.R. Jebson Hyperbaric Medicine and Wound Care Facility in 2000.

Today, the HMS continues to be a busy service that treats approximately 150 patients annually and is involved in all aspects of hyperbaric medicine, treating patients from all over Iowa



for a variety of conditions. The service is staffed by physicians from the Department of Anesthesia, as well as specially trained respiratory therapists. Our therapists have decades of combined experience in hyperbarics and are certified as hyperbaric technologists. Likewise, our physicians are all board-certified anesthesiologists who have received additional training in hyperbaric medicine and several are board certified in this specialty.

The UIHC Hyperbaric Medicine Service operates the only multiplace chamber in the state. This chamber can accommodate up to six patients at a time in addition to an inside attendant. As opposed to small, monoplace chambers that can only

accommodate one patient at a time, the size of our chamber helps minimize the claustrophobia that some patients experience, and the presence of an inside attendant enhances patient comfort as well as allowing us to care for patients with any degree of illness, from healthy outpatients to critically ill inpatients. Our staff is on call 24 hours a day for emergencies.

In addition to our state-of-the-art hyperbaric chamber, the service also boasts excellent wound care facilities to assist with the care of patients with problem wounds due to diabetes, radiation therapy, etc. Through our utilization of Transcutaneous Oxygen Measurement (TCOM), we can assess whether a wound is hypoxic, thus whether a patient will benefit from HBO or may require other treatment modalities.

In September 2006, the Peter J.R. Jebson Hyperbaric Medicine and Wound Care Facility sponsored a continuing medical education conference with the Hyperbaric Services of Iowa Methodist Medical Center, Des Moines, Iowa, and the Trinity Center for Wound Care and Hyperbaric

Medicine, Bettendorf, Iowa. The Iowa Conference for Hyperbaric Applications and Treatments (Iowa CHAT) arranged for several nationally recognized experts to present lectures on topics such as carbon monoxide poisoning and problem wound care. This conference was very well received and we are currently planning a second Iowa CHAT for October 2007.

Shawn Simmons, M.D.  
Medical Director  
Hyperbaric Medicine Service



Peter J. R. Jebson, M.D.

**Peter Jebson** arrived at the University of Iowa College of Medicine's Department of Anesthesia in 1980 after a long and distinguished medical career in the United Kingdom. Throughout his tenure at Iowa, Dr. Jebson served the Department as professor, physician, leader, and mentor. In recognition of his role as architect of the Hyperbaric Medicine Service at the University of Iowa Hospitals and Clinics, and due to his selfless dedication to patient care and scholarly contributions to academic medicine, the Peter J. R. Jebson Hyperbaric Medicine Facility is named in his honor.



Shawn Simmons



Jeanette Harrington



Merete Ibsen



Avinash Kumar



Srinivasan Rajagopal

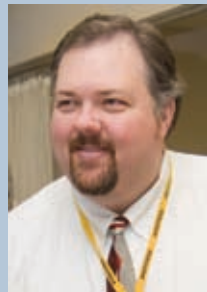


Chiedozie Udeh



# Spotlight on SHAWN SIMMONS, M.D.

Medical Director, Hyperbaric Medicine Service



Shawn Simmons, MD, is a native of Kansas and grew up in the Wichita area. He attended the University of Kansas for both his undergraduate and medical school training, receiving a BA in Chemistry with distinction in 1990 and his medical doctorate in 1994. His Anesthesia training took place at the University of Kansas-Wichita, where he graduated in 1998. During his residency, he became interested in Critical Care Medicine and undertook a fellowship in critical care at the Mayo Clinic, Rochester, MN, which he completed in 1999. Dr. Simmons joined the Iowa faculty of the Department of Anesthesia as an Associate directly out of his fellowship, and was subsequently promoted to the rank of Assistant Professor in 2000. Dr. Simmons achieved his board certification in this subspecialty in 2001.

In addition to caring for patients in the Operating Room (OR) and Surgical Intensive Care Unit (SICU), soon after his arrival at the UIHC, Dr. Simmons also became interested in Hyperbaric Medicine, due to its unique physiology and mechanisms. Accordingly, he attended a course in hyperbaric medicine at the Nix Medical Center in San Antonio, Texas and joined Iowa's Hyperbaric Medicine Service in 2000. In 2003, he took over as the Medical Director of this service, a position he still holds. In addition, he completed his board certification in Undersea and Hyperbaric Medicine in 2004.

Today, Dr. Simmons splits his time approximately evenly between the OR, SICU, and hyperbaric chamber, and is actively involved in the teaching of students, residents, and fellows in all three areas. He is frequently asked to give lectures throughout the institution on critical care and hyperbaric topics. He has presented a Problem-Based Learning Discussion at the 2003 annual meeting of the American Society of Anesthesiologists. He has been the primary or contributing author of several papers and is involved in multiple research projects in critical care and hyperbarics. In addition, he was the course director, moderator, and a speaker at the First Annual Iowa Conference for Hyperbaric Application and Treatments (Iowa CHAT) in 2006.

Dr. Simmons splits his time approximately evenly between the OR, SICU, and hyperbaric chamber

## DIVISION TEAM Profile

### Hyperbaric Medicine Service Support Team

The Peter J.R. Jebson Hyperbaric Medicine and Wound Care Service is a relatively unique entity that is the result of a close collaboration between the Departments of Anesthesia and Respiratory Care. The service is available for patient care 24 hours a day, seven days a week, and is staffed by six physicians and five specially trained, dedicated respiratory therapists. In addition, there are 13 additional respiratory therapists in the hospital who have some hyperbaric training and can be called upon in times of need.



The physicians who participate in the Hyperbaric Medicine Service (HMS) are all anesthesiologists who have taken additional training in hyperbaric medicine and who split their time between the OR, HBO, and their other areas of interest. Besides the Medical Director, Dr. Shawn Simmons, the physicians of the Hyperbaric Medicine Service are Drs. Jeanette Harrington, Merete Ibsen, Avinash Kumar, Srinivasan Rajagopal, and Chiedoze Udeh. Dr. Harrington has been involved in hyperbarics longer than any other physician in the division. She joined the Department in 1989, and began doing hyperbarics in 2000. In addition, Dr. Harrington is involved in acute pain management, obstetric and pediatric anesthesia, and serves on the Admission Committee for the Carver College of Medicine. Dr. Ibsen, a native of Denmark, developed an interest in hyperbaric medicine and joined our team in 2005, having begun in the Department in 2002. She is also a member of the Department's

Liver Transplant Team. Dr. Kumar first came to UIHC in 2004, as a Critical Care Medicine Fellow, and subsequently joined the Department as an intensivist. During his fellowship, he became interested in hyperbaric medicine and joined the division in 2006. Dr. Kumar was recently appointed the Medical Student Clerkship Director for the Surgical Intensive Care Unit, as well as the Assistant Student Coordinator for the Department, and is part of the Simulator Group for Medical Education. Dr. Rajagopal joined the Department in 2005, and joined the Hyperbaric Medicine Service several months after arriving. In addition to hyperbarics, Dr. Rajagopal recently completed a Fellowship in Cardiovascular Anesthesia and he staffs cardiac cases in the operating room on a regular basis. Dr. Udeh is also a critical care specialist whose career has taken him from his native Nigeria to Australia, the Virgin Islands, and finally Iowa City in 2004. He became a member of the HMS in 2005. His additional interests include perioperative medicine and health economics. The HMS physicians' duties include patient consultation regarding the appropriateness of hyperbaric oxygen therapy (HBO), prescription of courses of treatment, provision of wound care including debridement of nonviable tissue and dressing applications, ordering and interpretation of diagnostic tests, and provision of care to patients, including the critically ill, during their time in the chamber.

The nonphysician staff members of the HMS are all Registered Respiratory Therapists from the Department of Respiratory Care. In addition to their respiratory therapy training, they each have experience in critical care areas and have undergone additional training in hyperbarics, including an in-depth orientation to the service. Each registered respiratory therapist working in the HMS has obtained additional certification as a Hyperbaric Technologist. They perform many duties including patient education, operation of the chamber, performance of diagnostic tests, ventilator management

at depth, attending to patients' needs at the surface and in the chamber at depth, administering medications, IV maintenance, and wound care.

Susan Mooney, R.R.T., Manager of Hyperbaric Medicine Service, is responsible for supervising the HMS, as well as the Pulmonary Function Laboratory. Sue came to the University of Iowa in 1994. She became involved in hyperbaric services almost immediately on a temporary basis, and joined the team full-time in 1995. She was promoted to her current position in 2002, and is responsible for daily operations, performance evaluations, equipment issues, general budget, marketing, and staff education. In addition to her administrative duties, Sue is an active participant in the clinical operation of the chamber, and was integral in the development and production of the 2006 Iowa Conference for Hyperbaric Applications and Treatments (Iowa CHAT). The other dedicated HBO registered respiratory therapists are Sherry Sparks, Evelyn Maki, Robert (Bob) Milne, Tom Recker, and Julia Ostrom. Between them, they have 68 years of hyperbaric experience and are invaluable in maintaining the smooth operation of the service.



Judy Carney

Besides the physicians and respiratory therapists, two other individuals deserve special mention, Judy Carney and Kris Jones. Judy Carney is the secretary for the Hyperbaric Medicine Service. She joined the Department of Anesthesia in 1984, as a transcriptionist for the SICU, with her duties next expanding

to secretarial services for faculty to include Dr. Jebson, then Medical Director in the HMS. Besides providing secretarial support to the Medical Director and other faculty working in the HMS, she is responsible for many of the administrative duties of the service including entering patient data into the clinical information and billing programs, maintaining records, preparing and distributing orientation packets to medical students who choose to rotate through the service, scheduling staff meetings, and more. Finally, Judy has also been extensively involved in the Iowa CHAT conference. Kris Jones has many responsibilities throughout the Department, but in regard to the HMS, she acts as a resource for scheduling, coding, and auditing of documentation, charges, and payments. She also works with third party carriers to ensure timely pre-authorization and compiles statistics related to charges and visits. Essentially, Kris is the person that the division turns to whenever any documentation or insurance/financial issues arise.

There are many other people who make significant contributions to the success of the service. The Hyperbaric Medicine Service would cease to function if it weren't for the collegial cooperation between all involved parties from multiple divisions and departments. The service's fun and friendly environment, as well as its success, is a testament to all these people's hard work and dedication.

Shawn Simmons, M.D.  
Medical Director  
Hyperbaric Medicine Service



# "Moment in Time"

## Development of Intensive Care in the Department of Anesthesia



Martin Sokoll, M.D.

Prior to 1963, Anesthesia at the University of Iowa was a division of the Department of Surgery. Stuart Cullen, M.D., Anesthesia Division Chair, 1938 to 1958, enumerated areas for potential advancement. High on the list was the establishment of a Respirator Room for the care of patients, primarily postoperative patients needing support of respiration. In Dr. Cullen's Division Report of 1940-41, he stated "The

Division is investigating the possibilities of increasing the respirator facilities. At present, work is underway relative to the construction of a Respirator Room to accommodate four patients." At that time, most General Surgery patients were housed on the fifth floor of the General Hospital in Wards C51-54. Across the hall from C53 and C54 was a room large enough to accommodate six beds. This area was then referred to as simply "Postop." It was to this area that all patients were sent immediately after discharge from the Surgery Recovery Room and where those needing ventilator support received the needed care. Patients in need of ventilator support, but not fitting into the category of General Surgery, were cared for on their native surgical ward. This meant that the Anesthesia staff might be caring for patients on ventilators on a number of different sites, including the old Children's Hospital.

In addition, there were the patients diagnosed with polio who were being cared for primarily on an Infectious Disease Ward on 1 West, General Hospital. The polio epidemic surfaced in the United States in 1951-1952, striking Europe the following year. Providing adequate care for these patients became a serious problem and primary concern. Those with sufficient respiratory compromise were placed in an "Iron Lung," if one was available. The mortality rate in these patients was high. Lacking sufficient ventilators, the Danes employed medical students to manually ventilate these patients, decreasing mortality by about 50%. Medical students were also engaged at Iowa for this same task.

At last, in 1961 a separate room with a four-bed capacity was established on 3 West, General Hospital, allowing anesthesiologists a better facility for caring for intensely ill patients. Postsurgical patients were initially recovered in the Postanesthesia Recovery Room and then transferred to the 3 West facility. By current standards this facility was primitive; by 1961 standards, it was "state of the art." Each bed had suction and an oxygen supply to operate a gas-powered Bird® ventilator system. The Bird® ventilator was strictly pressure



UIHC's first Surgical Intensive Care Unit, 3 West-General Hospital. Photo taken in 1962.

limited. Since intra-arterial blood pressures were not clinically available, blood pressures were taken with a cuff.

In the late 1960's a wave change occurred in the field of intensive care, led primarily by anesthesiologists. In the Anesthesia Department at Iowa, this was expressed in the establishment of a more official Intensive Care Unit, led by Azmy Boutros, M.D., and was located on C43, General Hospital. The bed capacity was 20. Four-channel monitoring equipment was obtained. Intra-arterial and central venous pressure measurement, as well as intracranial pressure measurements, became standards of care. New ventilators were obtained permitting the application of constant positive airway pressure.

In April 1981, with the opening of the UIHC Roy Carver Pavilion, the Surgical Intensive Care Unit moved from C43 General Hospital to 5 RCP. The level of care was state of the



UIHC's second Surgical Intensive Care Unit, C43-General Hospital. Photo taken in 1981.



UIHC's third Surgical Intensive Care Unit, 5 RCP. Photo taken in 1990.

art with the additional capability to measure pulmonary artery and pulmonary capillary wedge pressure. Nutrition and other aspects of overall patient care were now monitored.

In October 1994, the Surgical Intensive Care Unit moved to the fifth floor of UIHC's John Pappajohn Pavilion, its current location. Steven Hata, M.D., serves as Division Director for the SUIC, and he is Board certified in both Internal Medicine and Anesthesiology. The current unit can care for 33 patients, and serves over 2,000 patients annually. It is very heavily computerized with patient physiologic data automatically logged on to the computer system. Patient data can be viewed from any location attached to the UIHC computer system. Today, we are better able to serve our patients with the best facility and medical care possible. This service is a compliment to the overall mission of UIHC.

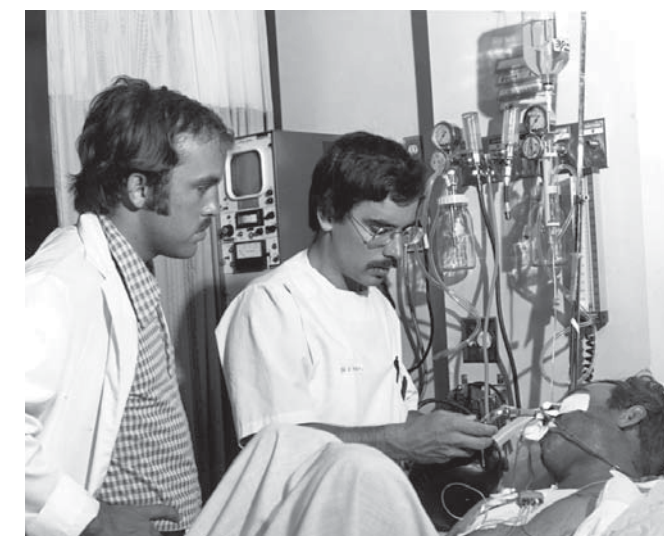
Martin Sokoll, M.D.  
Professor Emeritus



UIHC's current Surgical Intensive Care Unit, 5 JPP – SICU Clinical Director, Steve Hata, M.D., [2nd from right] in discussion with co-workers at the Nurses' Station.



UIHC's current Surgical Intensive Care Unit, 5 JPP – Bay 4



CHALLENGE! We know this photo to be taken in 1973, when the SICU was located in C-43 General Hospital. If you recognize yourself or a colleague in this photo, please contact the Newsletter Staff via Barb [barbara-bewyer@uiowa.edu].



## MEET THE NEW ANESTHESIA

# Faculty



Anthony T. Han

Anthony T. Han, M.D., Ph.D., F.A.A.F.P. joined the Department of Anesthesia as an Associate Professor in November 2006, bringing with him a wealth of education and experience. Dr. Han received his M.D. in 1985 from Seoul National University College of Medicine in Seoul, South Korea. He subsequently completed residencies in both Family Medicine (University of Tennessee) and Anesthesia (University of Mississippi Medical Center) and a fellowship in Anesthesiology in 1994 from the University of Maryland Medical Center. His experience as an Anesthesiologist in academic settings, working with medical students and residents, is an excellent match for our Department. Dr. Han is currently splitting his time between the main operating rooms and the Pain Clinic.



Douglas G. Merrill

Douglas G. Merrill, M.D., joined the Carver College of Medicine and the University of Iowa Hospitals & Clinics as the Ambulatory Surgery Center (ASC) Medical Director and Professor of Anesthesia in February 2007. Dr. Merrill received his M.D. from the University of Kansas, subsequently completing his residency at Stanford University in 1981. Dr. Merrill became an ASC Medical Director in the private sector for the first time in 1986. He joined the Virginia Mason Clinic in Seattle, WA in 2000 as Medical Director of Ambulatory Surgery. He has been an Associate Professor of Anesthesiology since 2004 at the University of Washington. Iowa City is not brand new to Dr. Merrill, as he has been a yearly visitor to the UI Summer Writing Festival, sponsored by the distinguished UI Writer's Workshop. In his free time, Dr. Merrill will soon begin working to complete a Masters of Business Administration degree.

## Farewell to Faculty

### Andre Boezaart, M.D., Ph.D.

Dr. Andre Boezaart has accepted a new position at the University of Florida in Gainesville, effective July 1. Dr. Boezaart joined the Iowa Anesthesia Department in June of 2001 and has served as the Director of the Regional Anesthesia Fellowship and the much-celebrated Regional Anesthesia Study Center of Iowa (RASCI) workshop. He has served as an exemplary educator to students and residents and as a gifted and compassionate clinician to UIHC patients.

### Lance Lichtor, M.D.

After spending 6 years at the UI, Dr. Lichtor will leave the Department in June. During his tenure at Iowa, Dr. Lichtor has served as a superb teacher and clinician. With his extensive background in technology, Dr. Lichtor has also served as the Medical Director of the Workroom. Despite his strong ties to the Midwest (and his beloved Chicago White Sox), Dr. Lichtor is looking forward to joining his family who have relocated to Boston, Massachusetts. He will be joining the department of Anesthesiology at the University of Massachusetts, Worcester, MA.

### Sebastian Schulz-Stubner, M.D., Ph.D.

Dr. Schulz-Stubner is leaving the Department in May to return to Germany to be closer to his family. He will be serving as a consultant at the Beratungszentrum für Hygiene (BZH), in Freiburg, Germany. He joined the Department in May 2002 and has been a very active clinician and educator, serving as both an attending physician in the Surgical Intensive Care Unit and as a very active member of our regional anesthesia team. In these roles, he has been responsible for both bedside teaching in the SICU and OR, as well as providing nearly weekly lectures to residents in the SICU.

## MEET THE NEW CRNA

# Nancy Harris



Nancy Harris, C.R.N.A., Ph.D.

Nancy Harris, M.N.A., C.R.N.A., Ph.D. graduated from Mayo School of Health-Related Sciences Nurse Anesthesia Program in 1993. She completed her M.N.A. (Master's in Nurse Anesthesia)

in 1997 at Mayo. Nancy continued her education and in November of 2006 completed her Ph.D. in Nursing with a focus on educational administration. She joined our CRNA team in December 2006. Prior to working with us, Nancy worked with Pain Consultants, PC Mercy Medical Center, Clinton, Iowa. In 2003-2005, Nancy received the Predoctoral Fellowship Award "Training in Nursing Effectiveness Research." She has published papers and book chapters, has experience in poster presenting, lecturing, and research. The College of Nursing at Iowa has asked Nancy to be involved with lecturing and teaching.

# Achievements and Awards

**Javier Campos, M.D.**, Professor and Vice Chair for Clinical Affairs, has been appointed to the position of Medical Director of the Main Operating Rooms, UIHC.

**James Choi, M.D.**, Clinical Associate Professor, was recently appointed to the Medical School Admissions Committee at the University of Iowa Roy J. and Lucille A. Carver College of Medicine.

**Avinash Kumar, M.D.**, Clinical Assistant Professor, has been named both the Medical Student Clerkship Director in the Department's Surgical Intensive Care Unit and the Assistant Student Coordinator for the Department of Anesthesia.

**Ann Smith, M.S.N., Chief C.R.N.A.**, received the Improving our Workplace Award (IOWA) for her efforts in the development and promotion of a staffing model that has supported retention of Nurse Anesthetists, as well as being an attraction in recruiting new CRNAs.

**Edward Thompson, Ph.D., C.R.N.A.**, Clinical Professor, Director, Student Registered Nurse Anesthesia Program has been named by the Council on Teaching as one of the 4th Annual President and Provost Award for Teaching Excellence winners.



The University of Iowa Health Care's Above and Beyond the Call of Duty Award Program is designed to recognize and reward individuals who have gone above and beyond their formal, identified job duties to exceed the needs of our patients, visitors, and staff, or Above and Beyond the Call of Duty. Recently, the following individuals from the Department of Anesthesia were recognized with receipt of this Award.

### Above & Beyond Award Recipients

**Christopher Faust, D.O.**, Resident, Year 3

**Robert Frohm, M.D.**, Resident, Year 4

**J. Steven Hata, M.D.**, Associate Professor, Director of the SICU

**Martin Hove, M.D.**, Resident, Year 2

**Jamie Johnson, M.D.**, Resident, Year 1

**James Madrian, M.D.**, Resident, Year 2

**Thomas Rodenberg, M.D.**, Fellow in Pain Medicine

**Yuri Tsurulnikov, M.D., M.H.A.**, Resident, Year 4

# Spotlight on Investigator

## Toshihiro Kitamoto, Ph.D.



Toshihiro Kitamoto

Toshihiro Kitamoto, Ph.D. joined Iowa’s Department of Anesthesia in 2003, as Assistant Professor. Currently, he has 4 active projects underway in his laboratory. Dr. Kitamoto is a native of Japan and completed his advanced education at the University of Tokyo and the University of Tokyo Graduate School. His concentration was biochemistry, and he received his B.S. in 1982, his M.S. in 1984, and his Ph.D. in 1987. A Postdoctoral Fellowship was awarded to him in 1989 from the National Institute of Neuroscience, Kodaira, Tokyo, Japan.

Dr. Kitamoto moved to Duarte, California in 1989, taking the position of Research Fellow, Division of Neurosciences, Beckman Research Institute of the City of Hope. In 1991, he was promoted to Senior Research Fellow, and in 1996, he was again promoted to Assistant Research Scientist. From 1995 through 1997, Dr. Kitamoto was awarded the John Douglas French Alzheimer’s Foundation Fellowship, to acknowledge his outstanding research in the understanding of Alzheimer’s Disease. As many of you know, the City of Hope Beckman Research Institute’s premier center is a forerunner in the areas of creating and developing biomedical research. The University of Iowa’s Department of Anesthesia felt most fortunate and honored when Dr. Kitamoto accepted the position of Assistant Professor in 2003.

From 2003 through 2005, Dr. Kitamoto received the Carver Trust Medical Research Initiative Award. This honor and support are awarded only to the most exceptional investigators pursuing highly innovative research. Several professional societies and associations benefit from Dr. Kitamoto’s membership. He contributes to the education of peers through his involvement with the Society for Neuroscience, The Genetics Society of America, the International Association for the Study of Pain, and the American Pain Society.

Dr. Kitamoto’s research primarily involves study of the fruit fly *Drosophila*. He has received several NSF and NIH grants to study subject matter such as the molecular mechanisms underlying post-transcriptional regulation of two uniquely organized genes involved in cholinergic neurotransmission, the biological mechanisms underlying the lithium-responsive neurological pathway using the fruit fly as a model organism, and the genes and neurons involved in *Drosophila* male courtship behavior, which shows both genetically-determined and experience-dependent aspects. His research interests also involve a variety of health-related problems caused by defects in neural plasticity, mental disorders, and chronic pain. Dr. Kitamoto has authored over 35 articles published in select peer-reviewed publications.

When not at work with his colleagues in his laboratory, Dr. Kitamoto enjoys spending time with his wife, Junko Kasuya, who is also doing research in the same lab, and their two daughters, 9-year-old Megumi (meaning “Grace” in Japanese) and 3-year-old Hanah (meaning “Flower”). The family plans annual visits to Japan to visit their extended family. Dr. Kitamoto enjoys listening to music, playing the guitar, playing with his daughters, and thinking about the next experiment (not the next grant application!).

# Current

## Research

Investigator: Aldrich, Benjamin  
Mentors: Hammond, Donna, Kitamoto, Toshihiro  
Funding Source: External\*  
*Significance of MicroRNA-mediated Gene Regulation in Chronic Pain*

Investigator: Bates, James  
Funding Source: External  
*A Phase 3, Double-blind, Randomized, Parallel-group, Placebo-controlled Study of Intravenous Methylthaltrexone Bromide in the Treatment of Postoperative Ileus*

Investigator: Block, Robert  
Funding Source: External\*  
*Acute Marijuana Effects on Regional Cerebral Flow*

Investigator: Block, Robert  
Funding Source: External\*  
*Brain Development of Adolescent Marijuana Users*

Investigator: Block, Robert  
Funding Source: External\*  
*Marijuana and Neuropsychological Testing in Chronic Marijuana Users*

Investigator: Boezaart, Andre  
Funding Source: Internal  
*Home Survey Study - Ambulatory Continuous Peripheral Nerve Block*

Investigator: Boezaart, Andre  
Funding Source: Internal  
*CCPVB: A Method to Estimate the Point of Needle Insertion and Location and Depth of the Brachial Plexus during Continuous Cervical Paravertebral Block (CCPVB) Using Neck Diameter as a Marker*

Investigator: Brennan, Timothy  
Funding Source: External\*  
*Primary Afferent Sensitization in Postoperative Pain*

Investigator: Brennan, Timothy  
Funding Source: External\*  
*PRPV1 Expressing Sensory Afferents in Postoperative Pain*

Primary Investigator: Campos, Javier  
Funding Source: Internal  
*Bronchial Blockers: A Retrospective Review of 11 Years of Clinical Experience*

Investigator: Campos, Javier  
Funding Source: Internal  
*Lung Isolation Devices in Obese Patients: Comparison of Double Lumen Endotracheal Tubes versus Bronchial Blockers*

Investigator: Campos, Javier  
Funding Source: Internal  
*Does Training Improve Performance in Placing Double-lumen Tubes among Anesthesiologists with Limited Expertise*

Investigator: Campos, Javier  
Funding Source: Internal  
*Measurement of Inflammatory Response during One-lung Ventilation: Differential Interleukin Response in Volume Control Ventilation versus Pressure Control Ventilation*

Investigator: Dexter, Franklin  
Funding Source: External  
*Market Segmentation of Surgeons Based on Their Use of Regional Anesthesia*

Investigator: Dexter, Franklin  
Funding Source: External  
*Impact of Anesthesia and Surgical Group Incentive Programs on Managerial Decisions*

Investigator: Dexter, Franklin  
Funding Source: External  
*Strategic Determinants of Anesthesia Group Long-term Workload*

Investigator: Dexter, Franklin  
Funding Source: External  
*Statistical Properties of Data Envelopment Analysis’ One-year Forecasts of Operation Room Workload*

Investigator: Dexter, Franklin  
Funding Source: External  
*Determinants of Inaccuracy of Surgeon Preference Cards*

Investigator: Dexter, Franklin  
Funding Source: External  
*Real-time Cleaning of Anesthesia Information Systems Data for Managerial Decision-making*

Investigator: Dexter, Franklin  
Funding Source: External  
*Identification of Systematic Under-estimation (Bias) of Case Durations during Case Scheduling*

Investigators: Dexter, Franklin; Wachtel, Ruth  
Funding Source: External  
*A Similarity Index to State Discharge Abstract Data to Identify Opportunities for Growth of Surgical and Anesthesia Practices*

Investigator: Dexter, Franklin  
Funding Source: External  
*Surgeons’ Sequencing of Cases and Its Impact on Postanesthesia Care Unit and Holding Area Staffing*

Investigators: Dexter, Franklin; Wachtel, Ruth  
Funding Source: External  
*Method for Deciding What Time Patients Should Be Ready on the Day of Surgery*

Investigators: Dexter, Franklin, Willemssen-Dunlap, Ann  
Funding Source: External  
*Operating Room Managerial Decision-making on the Day of Surgery*

Investigator: Dexter, Franklin  
Funding Source: External  
*Basis for Anesthesiologists’ Operating Room Managerial Decision-making on the Day of Surgery*

Investigator: Dexter, Franklin  
Funding Source: External  
*Usage of Distributed Displays of Operating Room Video When Real-Time Occupancy Status Was Available*

Investigators: Dexter, Franklin; Wachtel, Ruth  
Funding Source: External  
*Coordination of Appointments for Anesthesia Care Outside of Operating Rooms Using an Enterprise-wide Scheduling System*

Investigator: Dexter, Franklin  
Funding Source: External  
*Calculating Institutional Support that Benefits Both the Anesthesia Group and Hospital*

Investigators: Ghoneim, Mohamed; Block, Robert  
Funding Source: Internal  
*Literature Review for Case Reports of Awareness*

Investigator: Ghoneim, Mohamed  
Funding Source: Internal  
*Perioperative Memory Function Associated with General Anesthesia and Surgery*

Investigator: Hammond, Donna  
Funding Source: External\*  
*Development of a Mouse CGRP Trigeminal Pain Model*

Investigator: Hammond, Donna  
Funding Source: External\*  
*Interdisciplinary Training Program in Pain Research*

Investigator: Hammond, Donna  
Funding Source: External\*  
*Role of Spinal  $\gamma$ -aminobutyric Acid Receptors in Neuropathic Pain*

Investigator: Hammond, Donna  
Funding Source: External\*  
*Opioid Mechanisms of Analgesia*

Investigator: Hammond, Donna  
Funding Source: External  
*Upregulation of the Subunit on Immunohistochemically Primary Afferent Neurons in the L4 and L5 Dorsal Root Ganglia after Spinal Nerve Ligation*

Investigator: Hata, Steven  
Funding Source: External  
*Venticute® 9rSP-C Surfactant in Patients with Pneumonia or Aspiration of Gastric Contents Leading to Intubation, Mechanical Ventilation, and Severe Oxygenation Impairment*

Investigator: Hata, Steven  
Funding Source: External  
*ACCESS: A Controlled Comparison of Eritoran Tetrasodium and Placebo in Patients with Severe Sepsis*

Investigator: Hata, Steven  
Funding Source: Internal  
*LIDCO: A Retrospective, Cohort Analysis Assessing the Risk of Dynamic versus Static Hemodynamic Monitoring during Resuscitation*

Investigator: Hata, Steven  
Funding Source: External\*  
*ROC – The Iowa Resuscitation Network: A Rural Regional Clinical Center*



# Current Research *continued*

Investigator: Hindman, Bradley  
Funding Source: Internal  
*Laryngoscopy Pressure during Intubation*

Investigator: Jongeling, Amy  
Mentor: Hammond, Donna  
Funding Source: External\*  
*Persistent Pain and  $\mu$ -Opioid Actions in Locus Coeruleus*

Investigator: Kasuya, Junko  
Funding Source: External  
*High Resolution Recombination-based Mapping of Drosophila Shudderer Mutants*

Investigator: Kitamoto, Toshihiro  
Funding Source: External  
*Identification of Novel Genes that Enhance or Suppress Dopaminergic Neurodegeneration Using the Drosophila Forward Genetics Approach*

Investigator: Kitamoto, Toshihiro  
Funding Source: External  
*Physiological Functions of TRP Channels in the Central Nervous System*

Investigator: Kitamoto, Toshihiro  
Funding Source: External\*  
*Identification of Genes Involved in the Lithium-responsive Neurological Process*

Investigator: Kitamoto, Toshihiro  
Funding Source: External\*  
*Neural Basis of Courtship Specificity and Plasticity*

Investigators: Leonard, Paul; Willemssen-Dunlap, Ann  
Funding Source: External  
*Crisis Resource Management: Vital Skills for Tomorrow's Physicians*

Investigators: Leonard, Paul; Willemssen-Dunlap, Ann  
Funding Source: External  
*The Use of Null and Critical Scenarios for Evaluating Anesthesia Trainees' Responses to Machine-related Events in a High-fidelity Patient Simulator*

Investigator: Lichtor, J. Lance  
Funding Source: External  
*A Randomized, Assessor-blind, Phase IIIB, Multicenter Trial Comparing the Intubating Conditions and Time Course of Block of Three Different Intubating Doses (0.45 mg/kg, 0.6 mg/kg, 1.0 mg/kg)*

*of Zemuron™ in Pediatric and Adolescent Subjects under General Anesthesia*

Investigator: Maktabi, Mazen  
Funding Source: Internal  
*Epidemiology of Airway Trauma following Fiberoptic Intubation*

Investigator: Maktabi, Mazen  
Funding Source: Internal  
*Postoperative Hoarseness*

Investigator: Rosenquist, Richard  
Funding Source: External  
*Multicenter, Double-blind, Placebo-controlled Study to Evaluate the Efficacy and Safety of Lenalidomide in the Treatment of Complex Regional Pain Syndrome Type I*

Investigator: Ross, Alan  
Funding Source: External  
*A Randomized, Double-blind Study to Evaluate the Safety and Efficacy of the Exhale Drug Eluting Stent in the Homogenous Emphysema Subject with Severe Hyperinflation*

Investigator: Ross, Alan  
Funding Source: External  
*Endobronchial Valve for Emphysema Palliation Trial (VENT)*

Investigator: Ross, Alan  
Funding Source: External\*  
*Image- and Model-based Analysis of Lung Disease*

Investigator: Schulz-Stubner, Sebastian  
Funding Source: Internal  
*Regional Anesthesia Surveillance System*

Investigator: Swanson, David  
Funding Source: Internal  
*A Comparison of the Intubating Laryngeal Airway™ (ILA) with the Laryngeal Mask Airway™ (LMA)*

Investigators: Todd, Michael; Hindman, Bradley; Laur, John  
Funding Source: Internal  
*Predicting Fever in Patients with Subarachnoid Hemorrhage: A Chart Review and Model-building Project*

Investigators: Todd, Michael; Hindman, Bradley  
Funding Source: Internal  
*Observational Study of Cervical Spine*

*Motion during Awake Flexible Fiberoptic Intubation*

Investigators: Todd, Michael; Hindman, Bradley  
Funding Source: Internal  
*Intraoperative Hypothermia during Aneurysm Surgery Trial*

Investigators: Wachtel, Ruth; Dexter, Franklin  
Funding Source: External  
*Determinants of the Expected Tardiness of Starts of Surgical Cases*

Investigators: Wachtel, Ruth; Dexter, Franklin  
Funding Source: External  
*Predictors of Time to Prepare Patients on the Day of Surgery*

Investigator: Wachtel, Ruth  
Funding Source: External  
*Patient Choice of Healthcare Plans*

Please note that research projects involving Residents as the Primary Investigators are not listed in this section.

## Current Research – Funding Sources

\*National Institutes of Health

ALTANA Pharma AG  
American Parkinson's Disease Association  
Anesthesia Services of Delaware, P.A.  
Broncus Medical, Inc.  
Carver Initiative Grant  
Celgene Corporation  
Department of Anesthesia, The University of Iowa  
Eisai Medical Research, Inc.  
Emphasys Medical, Inc.  
General Electric Company  
Karta Technologies, Inc.  
Mediviz Systems, Inc.  
Monadnock Community Hospital  
Office of Consultation and Research in Medical Education  
Organon, Inc.  
Pfizer, Inc.  
Progenics Pharmaceuticals, Inc.  
State University of New York Upstate Medical University  
State University of Texas, MD Anderson  
VP Research

# Resident Research with Faculty Mentorship

The Midwest Anesthesiology Residents' Conference (MARC) was held on April 13-15, 2007, in St. Louis, Missouri. One of the purposes of this annual conference is to provide anesthesiology residents an opportunity to present basic and clinical research in a forum that encourages in-depth discussion and debate among their peers and mentors. The Department of Anesthesia at The University of Iowa recognizes this conference as an important element in the development of our residents. In 2007, Dr. Mazen Maktabi served as organizer and mentor for the Iowa component of the MARC conference. As noted below, several faculty also devoted their time and experience to this project, resulting in the following work being accepted for presentation.

Resident: Aerisolphal, Nicholas  
Faculty: From, Robert  
Project: *Is It Okay to Be Confident? Surfing the A.S.A. Difficult Airway Algorithm*

Resident: Beals, Chandra  
Faculty: Maktabi, Mazen  
Project: *Post-Traumatic Brain Injury Diabetes Insipidus Revealed during Cranioplasty*

Resident: Boland, Karen  
Faculty: Raw, Robert  
Project: *Is a Rhomboid Muscle Twitch an Acceptable Twitch for Brachial Plexus Blocks Above the Clavicle?*

Resident: Boland, Karen  
Faculty: Raw, Robert  
Project: *Relevant Suprascapular Nerve Anatomy for Brachial Plexus Blocks*

Residents: Davis, Stephanie; Hadder, Brent  
Faculty: Maktabi, Mazen  
Project: *Osteonecrosis of the Jaw: An Emerging Complication of Intubation in Patients Treated with Biphosphonates*

Resident: Dumanovsky, Alex  
Faculty: Swanson, David; Karim, Yasser, Lichtor, J. Lance  
Project: *A Comparison of the Intubating Laryngeal Airway (ILA) with the Laryngeal Mask Airway (LMA)*

Fellow in Critical Care: Haddad, Samir  
Faculty: Kumar, Avinash  
Project: *Tachyphylaxis to Cisatracurium*

Residents: Hadder, Brent; Kantamneni, Lakshmi  
Faculty: Maktabi, Mazen  
Project: *Fiberoptic Laryngoscopy and Intubation in Lieu of Conventional Fiberoptic Intubation in Patients with Unstable Cervical Spines*

Medical Student: Hallam, Ezra\*  
Faculty: Campos, Javier; Ueda, Kenichi  
Project: *Does Training Improve Performance in Placing Double-lumen Endotracheal Tubes among Anesthesiologists with Limited Experience?*

Resident: Hogan, Thomas  
Fellow in Cardiac Anesthesia: Ward, Irving  
Faculty: Maktabi, Mazen  
Project: *Postpartum Death after Prolonged Labor*

Resident: Palecek, John  
Faculty: Hindman, Bradley; Todd, Michael  
Project: *Cervical Spinal Cord Injury in Anesthesia Practice – A Closed Claims Case*

Resident: Shontz, Robert\*  
Faculty: Forbes, Robert  
Project: *Transient Neurologic Symptoms after Lidocaine Epidural in Frog-leg Position*

Medical Student: Stotts, Corey  
Faculty: Hata, Steven  
Project: *Outcomes Associated with Resuscitation Guided by Static and Dynamic Measures of Cardiac Preload: A Retrospective, Cohort Study in Surgical Intensive Care*

\* Special congratulations to Robert Shontz, M.D., first-place winner in the Regional Anesthesia session, and to Ezra Hallam B.S., first-place winner in the Airway scientific poster session. All of our residents, medical students, and fellows did a superb job in their presentations and represented the Department of Anesthesia at the University of Iowa well.



## Department of Anesthesia House Staff 2007 – 2008

### 1st Year Residents



**Cory Anderson**  
Creighton University  
School of Medicine



**Brian Bowshier**  
Ohio State University



**Ester Kim**  
Brown Medical School



**Angela Ko**  
University of Michigan  
Medical School



**Geoffrey Kredich**  
University of South Carolina  
School of Medicine



**Jarad Lake**  
Medical College of Wisconsin



**Neadum Odum**  
University of Arkansas for  
Medical Sciences College of Medicine



**Burke O'Neal**  
University of Virginia  
School of Medicine



**Trevor Ponte**  
Kirkville College of  
Osteopathic Medicine

## Department of Anesthesia House Staff 2007 – 2008

### 3rd Year Residents



**Jonathan Cohen**  
University of Illinois  
College of Medicine



**Matthew Grady**  
University of Iowa  
Roy J. & Lucille A.  
Carver College of Medicine



**Martin Hove**  
University of Iowa  
Roy J. & Lucille A.  
Carver College of Medicine



**Summer Johnson**  
Des Moines University  
College of Osteopathic Medicine



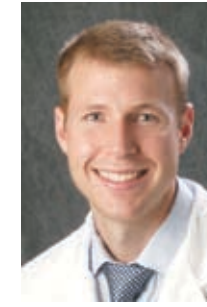
**Shivani Kadakia**  
Topiwala National  
Medical College



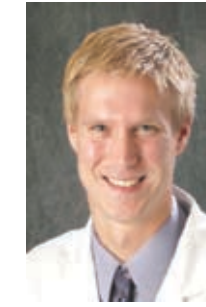
**Robert Lance**  
Maharry Medical College  
School of Medicine



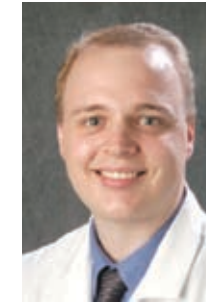
**James Madrian**  
Medical College of Virginia  
of Virginia Common



**Smith Manion**  
University of Missouri Columbia  
School of Medicine



**Todd Nelson**  
St. Georges University  
School of Medicine



**Steven Pulley**  
Medical College of Wisconsin



**Geoffrey Taylor**  
Des Moines University  
College of Osteopathic  
Medicine



**Thomas Tourney**  
Des Moines University  
College of Osteopathic  
Medicine

## Department of Anesthesia House Staff 2007 – 2008

### 2nd Year Residents



**Phillip Brenchley**  
Medical College of Wisconsin



**Karen Dean**  
The David Geffen School  
of Medicine at UCLA



**Christopher Johnson**  
University of South Dakota  
School of Medicine



**Jamie Johnson**  
University of Iowa  
Roy J. & Lucille A.  
Carver College of Medicine



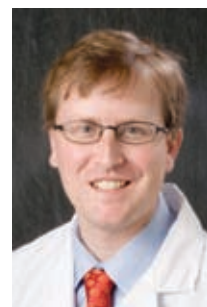
**Lakshmi Kantamneni**  
University of Iowa  
Roy J. & Lucille A.  
Carver College of Medicine



**Megan Miller**  
University of Iowa  
Roy J. & Lucille A.  
Carver College of Medicine



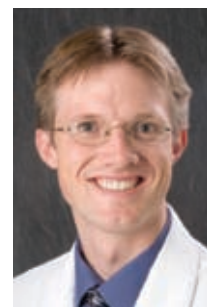
**Nick Pauly**  
University of Iowa  
Roy J. & Lucille A.  
Carver College of Medicine



**Jens Strand**  
Duke University  
School of Medicine



**Riley Stringman**  
Wright State University  
Boonshaft School of Medicine



**Matthew Sundblad**  
University of Iowa  
Roy J. & Lucille A.  
Carver College of Medicine

## Department of Anesthesia House Staff 2007 – 2008

### 4th Year Residents



**Nicholas Aerisolphal**  
University of Iowa  
Roy J. & Lucille A.  
Carver College of Medicine



**Sethabel Alvarado**  
University of Kansas  
School of Medicine



**Chandra Beals**  
University of Texas  
Health Science Center  
San Antonio



**Anthony Berg**  
Texas A&M University  
College of Medicine



**Thomas Cannon**  
University of Utah  
School of Medicine



**Stephanie Davis**  
University of  
Missouri-Kansas  
Kansas City College  
of Medicine



**Christopher Faust**  
Des Moines University  
College of Osteopathic  
Medicine



**Brent Hadder**  
University of Alabama  
School of Medicine



**Thomas Hogan**  
University of  
North Dakota  
School of Medicine



**John Palecek**  
University of  
South Dakota  
School of Medicine



**Clinton Rozycki**  
University of Alabama  
School of Medicine



**Robert Shontz**  
University of Iowa  
Roy J. & Lucille A.  
Carver College  
of Medicine



**Sarah Titler**  
University of Iowa  
Roy J. & Lucille A.  
Carver College  
of Medicine



**Shea Trost**  
Kirkville College of  
Osteopathic Medicine



**Wendy Wallskog**  
University of Minnesota  
Minneapolis School  
of Medicine



## MEET OUR ANESTHESIA Fellows

We are pleased to share with you the names and current locations of physicians we are eager to welcome in July into our Fellowship programs.

### Cardiovascular Medicine

**Danai Udomtecha, M.D.**  
Pediatric Anesthesiology Fellow  
Children's National Medical Center  
Washington, D.C.

### Critical Care Medicine

**Terence Cone, M.D.**  
Summit Anesthesia Consultants  
Las Vegas, NV

**Daniel Hallam, M.D., Ph.D.**  
Surgery Resident  
UIHC  
Iowa City, IA

**Sundar Krishnan, M.D.**  
Stanger Provincial Hospital  
Natal, South Africa

**Kjell Rosenberg, M.D.**  
Anesthesia Resident  
Pennsylvania State University  
Hershey Medical Center  
Hershey, PA

**Sudarshan Setty, M.D.**  
Sultan Qaboos University Hospital  
Muscat, Sultanate  
of Oman, India

### Pain Medicine

**John Sheehan, M.D.**  
Physical Medicine & Rehabilitation  
Resident, Stanford  
Palo Alto, CA

**John Stanec, M.D.**  
John Muir/Mount Diablo  
Medical Group  
Walnut Creek, CA

### Pain Medicine Research

**Rapipen Siriwetcharak, M.D.**  
Pain Medicine Fellow  
University of Virginia  
Charlottesville, VA

### Pain Medicine Research Fellow Associate

**Christina Spofford, M.D.**  
[Lunsford Fellowship Recipient]  
Anesthesia Resident  
UIHC  
Iowa City, IA

### Regional Anesthesia Fellow Associates

**Peter Foldes, M.D.**  
Anesthesia Resident  
New York Medical College  
Valhalla, NY

**John Laur, M.D.**  
[Lunsford Fellowship Recipient]  
Anesthesia Resident  
UIHC  
Iowa City, IA

**Aaron Kallsnick, M.D.**  
Anesthesia Resident  
Rush University  
Chicago, IL

## The University of Iowa Anesthesia Nursing Program Class of 2008



**Melissa Friedrich**  
B.S.N., R.N.  
University of Iowa



**Kate Haffarnan**  
B.A., B.S.N., R.N.  
University of Iowa



**Jonathan Jensen**  
B.A., B.S.N., R.N.  
Brigham Young University



**Maya Mathews**  
B.S.N., R.N.  
University of Delhi, India



**Kelly Stokes**  
B.S.N., R.N.  
University of Iowa



**Aaron Thornton**  
B.S., R.N.  
Brigham Young University



**Jennifer Tretsven**  
B.S.N., R.N.  
University of Wisconsin  
Madison



**Craig Vana**  
B.S.N., R.N.  
University of Illinois,  
Chicago



**Kellie Wendt**  
B.A., R.N.  
Carroll College  
Helena, MT

## The University of Iowa Anesthesia Nursing Program Class of 2009



**Randy Cornelius**  
B.S.N., R.N.  
Allen College



**Emily Fischer**  
B.S.N., R.N.  
Allen College



**Sara Hawk**  
B.S.N., R.N.  
University of Colorado



**Jessica Henderson**  
B.S.N., R.N.  
University of Iowa



**Amber Hines**  
B.S.N., R.N.  
Allen College



**David Lenninger**  
B.A.N., R.N.  
Luther College



**Sara Mullahy**  
B.S.N., R.N.  
University of Iowa



**Mackenzie Patterson**  
B.S.N., R.N.  
University of Iowa



**Kristy Rowberry**  
B.S., R.N.  
Brigham Young University

## Graduate Medical Education

The Graduate Medical Education team ensures trainees that they will have the opportunity to develop life-long skills that will make it possible for physicians of the future to deliver compassionate, safe and appropriate care while participating in an effective health care system.





# FAREWELL TO OUR 2007 Graduating Residents



**Boland, Karen:** Dr. Boland will be returning to Tulsa, Oklahoma, where she was employed as an Ob/Gyn prior to her Anesthesia residency. She is looking forward

to "returning home," which was her goal. Dr. Boland is appreciative of the opportunity to have a second career. While at Iowa, she enjoyed hanging out with the younger kids [her fellow residents!], and she admits to having moments wherein she realized what a generation gap there is in music choices and lingo. She will take with her fond memories of the patience and skill the Iowa Anesthesia staff demonstrated while teaching her how to provide excellent medical care to patients.



**Delong, Rebecca:** It's off to Davenport, IA for Dr. Delong, where she will join a private practice group. Her goal was to stay in this area, and back

as far as her undergraduate work, she wanted to specialize in anesthesia and work in Davenport, so she feels she is attaining her dream. Dr. Delong enjoyed the wonderful people she had the opportunity to work with here in the Iowa Department of Anesthesia, and has had a great time getting to know her fellow residents and faculty. She feels fortunate to have had the chance to get to know so many funny, smart, and truly amazing people!



**Dumanovsky, Alex:** Upon graduation, Dr. Dumanovsky will become a private practitioner in Mankato, MN. He will take with him the enjoyment and

benefit of strong clinical training, a great variety of medical cases, and fond memories of life in Iowa.



**Esham, William:** The Wake Forest University Department of Anesthesia, Winston-Salem, NC, will welcome Dr. Esham into their Cardiothoracic

Anesthesia Fellowship program upon his completion of the Iowa residency. He reports that during his years in Iowa, he was able to gain great clinical experiences in many areas: cervical paravertebral blocks with Dr. Andre Boezaart; looking at a TEE with Dr. Alan Ross; placing bronchial blockers with Dr. Javier Campos; learning how to place IVs and secure them with Dr. Robert From; and talking about anything with Dr. James Bates. These will be among his favorite memories. Dr. Esham reports having found himself repeating to new residents the exact phrase spoken to him during his first year in the program ["...You can't unscrew a screw-up!"] The most significant events during his residency were celebrations, as Dr. Esham was married and became a father to Lola while here. Indeed, these will be his fondest memories of his time in Iowa.



**Frohm, Robert:** Dr. Frohm will resume his commission with the United States Air Force upon completion of his residency. He will be providing anesthesia services

for Airmen and their families at a yet-to-be-disclosed location. Dr. Frohm remembers that when he interviewed at Iowa as a resident candidate, he was looking for programs that were strong in regional anesthesia. He reports no disappointment in this training at Iowa, as he feels he has received more from the anesthesia faculty practicing regional and pain medicine than he ever imagined. He feels appreciative to take this knowledge with him as he continues in the field.



**Khan, Khurram:** A fellowship in Cardiothoracic Anesthesia awaits Dr. Khan in the Department of Anesthesia at the Mount Sinai School of Medicine in New York, NY.



**Laur, John:** Dr. Laur, Chief Resident, has chosen academic anesthesia, and he will remain in the Department of Anesthesia here at the University of Iowa. He

was awarded a Lunsford Fellowship in Regional Anesthesia and at the same time will be enrolled in the Iowa Scholars and Clinical Investigators Master's Program. He will also hold a faculty position and plans to launch research projects in regional anesthesia and acute pain. This path was not predicted by Dr. Laur as

recently as 3 years ago, as he would then have predicted he would continue with a fellowship in Regional Anesthesia with the intent being to leave academics for private practice. Dr. Laur reports that during his residency, he most enjoyed the training received in regional anesthesia, and he now holds the opinion that there is no better way to treat acute pain.



**Paulsen, Scott:** It's back home for Chief Resident Dr. Paulsen upon graduation. He will head for Des Moines, IA, and plans to enter practice at Iowa Methodist Medical

Center. He reports having many wonderful experiences during his training and will take many fond memories with him. He enjoys reminiscing about Dr. Alan Ross presenting at M & M and feels his experiences with the Regional Anesthesia Study Center of Iowa (RASCI) will benefit him as he enters the private sector.



**Plachinta, Roman:** Dr. Plachinta will be entering private practice in New Hampshire upon graduation, at the Southern New Hampshire Medical Center in Nashua, NH. He leaves

open the option to pursue a fellowship in either regional anesthesia or pediatrics at some point in his future. He remembers that during his second year of residency, he became very fond of his specialty, which he credits to having gained the necessary skills to combine intraoperative critical care with immediate perioperative pain management, as well as with the ability to better understand the needs that very critical patients may have while transitioning from the OR to surgical, cardiovascular, medical and pediatric intensive care units. He thanks the Anesthesia faculty for providing what he views as a successful and memorable introduction to anesthesiology.



**Rodriguez, Rufino:** The Midwest Anesthesia private practice group in Minneapolis, MN will welcome Dr. Rodriguez upon completion of his anesthesia residency at Iowa.

The fondest memories he will take with him include getting to know the people within Iowa's Department of Anesthesia.



**Spofford, Christina:** Dr. Spofford has been awarded a Lunsford Fellowship in the Department of Anesthesia here at Iowa, where she will begin work on the NIH

Training Grant in Pain Research. She will also hold a faculty position. Most of her week will involve research, with the remaining hours divided between staff duties and a Regional Pain Fellowship. Her research interests are in the area of acute postoperative pain mechanisms. Dr. Spofford attributes her decision to follow this pathway to her background in research and education (she holds a Ph.D. in Physiology), and she has always envisioned herself in academic medicine. During her residency program, she enjoyed preparing and presenting research posters at national meetings and participating in clinical research. She holds onto her dream of contributing future knowledge in the specialty of anesthesia and pain medicine.



**Tsurulnikov, Yuri:** Upon graduation, Dr. Tsurulnikov will head for UCLA in Los Angeles, CA, where he will begin a Fellowship in Pain Medicine. He is leaving open his options upon

completion of that program, but he states he will most likely continue with both

pain medicine and anesthesia, with an emphasis on regional anesthesia. Dr. Tsurulnikov feels certain he will always be thankful to Dr. Tara Hata, Director of Resident Education, for accepting him into the program, believing in him, and supporting him through difficult times. Prior to his experience at Iowa, Dr. Tsurulnikov did not consider the subspecialty areas of pain and regional anesthesia. He recalls his dislike of being in the Pain Clinic during his first week of rotation, but also remembers how quickly he developed a sincere fondness for it. He credits the faculty in the Center for Pain Medicine and Regional Anesthesia for converting him, and he thanks them for their tremendous contribution to his education and development as a physician and anesthesiologist.



**Wilkey, Andrew:** Dr. Wilkey has accepted a Cardiothoracic Anesthesia Fellowship at the University of Pennsylvania, Philadelphia, PA. He reports

not having predicted this when he entered his residency program at Iowa. The aspect of residency that stood out the most for Dr. Wilkey is the quality of the clinical experience. He stated that nearly every day he has been confronted with patients with complex and severe medical problems who nonetheless need anesthesia. He believes that learning to deal with these patients and their medical complexity as nearly a routine matter has prepared him well for both fellowship and independent practice.



# FAREWELL TO OUR 2007 Graduating Fellows



Sara Brewer  
Critical Care Medicine

**Dr. Brewer** has accepted a position as a Hospitalist/Critical Care Medicine Intensivist at Northeast Regional Medical Center in Kirksville, MO. She looks forward to working on the same team with former UI Anesthesia grads, Drs. John and Theresa Rickelman. She will also have the opportunity to teach at the Kirksville College of Osteopathic Medicine. Dr. Brewer anticipated her post-fellowship destination, as her husband farms 2,500 acres of land in northeast Missouri. Working with all of the different specialties in the ICU has been one of the greatest advantages of her fellowship, and Dr. Brewer enjoyed working with all of the residents, as well.



Clint Elliott  
Regional Anesthesia

Gainesville, FL is the next destination for **Dr. Elliott**, as he looks forward to joining the Anesthesia Department at the University of Florida. This choice is not something he would have predicted 2 years ago, as he reminisces that at that time he wasn't even certain he wanted to pursue a fellowship. He's now glad for the choices he made. Dr. Elliott reports that he expected to learn about regional anesthesia during his tenure here, but he has been pleasantly surprised by the amount of acute pain management skills he has developed. He sums up his experience at Iowa as being great overall.



Samir Haddad  
Critical Care Medicine

**Dr. Haddad** feels honored to have been offered the position of Clinical Associate Professor in the Department of Anesthesia here at the University of Iowa. He describes his education here as excellent and feels he has been trained by the best physicians in the world, including Dr. Steve Hata, Director of the SICU. He also thanks Dr. Michael Todd, Head of the Department of Anesthesia, for his leadership. In addition, Dr. Haddad feels he has benefited greatly from the integrity and honesty his mentors have taught him to practice in caring for his patients.



Rehgarajan Janakiraman  
Regional Anesthesia

**Dr. Janakiraman** reports that the time spent as a Fellow in the Anesthesia Department at Iowa has been quite a positive experience for him. Prior to moving to Iowa, he had not visited or lived in the United States. He credits the caring and consideration of his fellow colleagues for helping his experience be such a positive one. He has felt privileged to work with those he refers to as "the great Titans of regional anesthesia and pain management." In addition to his medical education, Dr. Janakiraman was able to learn about American customs and culture, sailing, photography, and sketching. His goal is to take with him Dr. Andre Boezaart's "focus," Dr. Robert Raw's "versatility," and Dr. Alex Fraser's "attitude." His next destination is Ottawa, Canada, where he has been accepted into a Pain Fellowship. His ultimate goal is to open a Pain Institute in his native country of India.



Christopher Kaypekian  
Pain Medicine

Los Angeles, CA is where **Dr. Kaypekian** is headed upon completion of his fellowship training at Iowa. California is home to him, and he looks forward to returning. He reports feeling well trained from coast to coast, having completed a residency in New York and a fellowship in Iowa. He feels the Center for Pain Management and Regional Anesthesia is equipped not only with state-of-the-art equipment, but with outstanding physicians and support staff. In Los Angeles, Dr. Kaypekian will enter the private sector, practicing 100% interventional pain medicine in an outpatient pain center, as well as be affiliated with 3 community hospitals. He reports that he and his wife are excited to take their infant son closer to family and friends in California.



Peter Liu  
Critical Care Medicine

**Dr. Liu** is finalizing a position at the University of Utah in Salt Lake City, where he will practice anesthesia and critical care medicine. While in Utah, he plans to complete an Executive Medical Fellowship in Transesophageal Echocardiography. This selection is not something Dr. Liu would have predicted during his residency, when he felt he would not pursue academic medicine. He reports that while at Iowa, he has truly enjoyed working with everyone at all levels of care. He will take with

him memories of nights on call in the SICU wherein elements of entertainment have offset the serious nature of the medical situations. Dr. Liu also feels important lessons he will take with him include the 4 A's of success – affability, ability, appearance, and availability – as well as becoming a believer in reading to succeed and accepting that math is the path!



Thomas Meyer  
Cardiac Anesthesia

Columbia, MO will welcome home **Dr. Meyer**. He has accepted a faculty position at the University of Missouri, where he hopes to practice primarily cardiothoracic and vascular anesthesia. This is exactly what Dr. Meyer has hoped for since his CA1 year. He and his wife wanted to return to the Columbia area, after his mentors there recommended Iowa as the only place to do a CT fellowship in the Midwest! For Dr. Meyer, the attractive aspect of the fellowship at Iowa has been the thoracic experiences not offered at other programs where he interviewed. He feels confident that the experiences here have provided him with the knowledge and skills he will need to become a successful cardiothoracic anesthesiologist.



Samantha Mongar  
Critical Care Medicine

**Dr. Mongar** is looking forward to entering private practice at Eisenhower Medical Center in Rancho Mirage, CA, where she will practice intensive care medicine. This choice is not something she would have predicted even a few months ago, but she reports being a believer in life sending us on unexpected journeys. Her training at Iowa has been a great experience, and she feels that being involved with a wide variety of different specialties in the SICU is one of the program's greatest strengths. Dr. Mongar is grateful to the SICU staff for their kindness, patience, and terrific teaching skills. Her departure is somewhat bittersweet, as she reports she will feel sad upon her departure.



Thomas Rodenberg  
Pain Medicine

**Dr. Rodenberg** will be relocating to Palm Beach, FL upon completion of his fellowship training. His plans include working in an outpatient Pain Center in the private sector. He leaves open the possibility of also practicing some cardiac anesthesia in a local private hospital. This is exactly what Dr. Rodenberg planned for at the onset of his fellowship. Interaction with services outside of Pain Medicine and the opportunity to help patients' overall outcome and satisfaction are what he values as most beneficial in the Iowa philosophy.



Angela Thompson  
Regional Anesthesia



Matthew Thorson  
Pain Medicine

Plans for where **Dr. Thompson** will practice post-fellowship are not yet finalized. Dr. Thompson feels her fellowship experience here has been excellent, and she credits each staff member of the Center for Pain Management and Regional Anesthesia for this. The training, both hands-on and academic, has been fantastic, according to her.

**Dr. Thorson** has accepted a position at St. Francis Regional Medical Center in Shakopee, MN, where he will work part-time in leading the Center for Pain Medicine. This private practice group oversees a variety of cases at the hospital and also covers an outpatient surgery center in Burnsville, MN, which focuses on orthopedics and plastics. Dr. Thorson will keep busy in these various facilities, and once the Center for Pain Medicine matures, he looks forward to primarily practicing interventional pain medicine. He will remember his fellowship at Iowa for its wide variety of exposure and experiences. He admits to knowing he will also miss the best pineapple upside down cake he's ever eaten, baked by Robert Temple, nurse clinician specialist with the Pain team.



Irving Ward  
Cardiac Anesthesia

**Dr. Ward** will relocate to Lee's Summit, MO, having accepted a position at Lee's Summit Hospital. He has always wanted to remain in the Midwest, and he is pleased to be returning to the Kansas City area. He and his wife plan to postpone their move until the birth of their third child, sometime in July. Dr. Ward credits his fellowship here as an excellent opportunity for him to grow as an anesthesiologist. He was originally attracted to Iowa because of its strong emphasis in thoracic anesthesia, and he feels his opportunities to learn here have been second to none. He gained a special appreciation for pediatric congenital cardiac lesions, and feels his greatest growth has been in this area.



## MEET OUR NEWSLETTER Staff

Dr. Todd feels he has combined the best of all possibilities in selecting his current Newsletter staff team. Among the four individuals who will now plan and manage this publication, a variety of experiences and talents are amassed. Dr. Tyrone Whitter serves as the Editor-in-Chief, and if enthusiasm alone could produce a publication, this one would need no additional staff. Ideas and energy are flowing from Dr. Whitter as he accepts the challenges of his tasks. Barb Bewyer, formerly the Managing Editor for *Anesthesiology*, brings an understanding of managing the various parts of the publication process with her, as well as a background of commitment to creating a superb product. Clint Rozycki, M.D., brings his youth and energy to this Newsletter, and will represent the Department's trainees. Jim Lane has contributed to this Newsletter for the past 6 years,

and Dr. Todd is correct when in an earlier article he states that Jim has practically single-handedly produced it in the past. So, the combined energies and talents of this newly formed foursome promises to keep you looking forward to receiving each upcoming issue of the Department of Anesthesia, University of Iowa Hospitals and Clinics Newsletter!

We look forward to bringing you new and interesting content. While some material will be standard to each issue, we plan to take test runs with new ideas and offerings. We are committed to bringing you a newsletter semi-annually, Spring and Fall. We count on you to provide feedback regarding what content you enjoy, as well as letting us know when we've misfired. We want to keep you informed about the latest news around the Department, and we invite our readers to submit your news, helping us keep alumni and friends up to

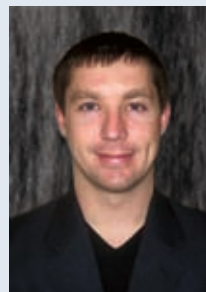
date with the news of interest outside of Iowa. We plan to post the newsletters on our Departmental Web site. If you find the electronic newsletter as you search the site, and didn't receive a print copy, let us know, providing your complete contact information.

We hope you enjoy this Spring 2007 issue of the Anesthesia Department Newsletter. Knowing that we repeat ourselves once again, we do encourage you to contact us with your comments and suggestions. We look forward to hearing from you.

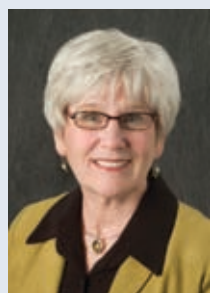
Anesthesia Department Newsletter  
Office  
Department of Anesthesia, 6505-4 JCP  
University of Iowa Hospitals and  
Clinics  
200 Hawkins Drive  
Iowa City, IA 52242



Tyrone Whitter, M.D., Ph.D.  
Editor-in-Chief  
tyrone-whitter@uiowa.edu  
319-356-1247



Clint Rozycki, M.D.  
Housestaff Representative  
clint-rozycki@uiowa.edu  
319-356-2633



Barb Bewyer  
Managing Editor  
barbara-bewyer@uiowa.edu  
319-353-7559



Jim Lane  
Consultant and Contributor  
james-lane@uiowa.edu  
319-384-8074

## University of Iowa Anesthesia Nursing Program News and Highlights

The University of Iowa Anesthesia Nursing Program honored its senior class of Student Nurse Anesthetists with a reception on Saturday afternoon, February 17, 2007. The ten students received certificates from the University of Iowa Colleges of Medicine and Nursing indicating their completion of the program. A large group of family and friends of the students attended the ceremony, along with many UI faculty, CRNAs, SRNAs, and residents. The graduation address was delivered by Javier H. Campos, M.D, Professor of Anesthesia, Vice Chair for Clinical Affairs, Director of the Division of Cardiothoracic Anesthesia, and Medical Director of the Main Operating Rooms. Four of these recent ten graduates will begin their careers as Certified Registered Nurse Anesthetists at University of Iowa Hospitals and Clinics.

Carla Aldrich was recognized for her time and dedication as Chief SRNA for the Class of 2007. As Chief, she spent many hours working on schedules and represented her class at the American Association of Nurse Anesthetists Assembly of School Faculty last year. The graduates awarded the CRNA Recognition to Northwest Iowa Anesthesia Associates, Spencer, IA. The graduates were the first SRNAs to work with this group at Spencer Hospital, and gained invaluable experiences with them. Deborah Dehring, M.D., Associate Professor of Anesthesia, was awarded the Outstanding Physician Educator by the graduating class. The SRNAs appreciate all the hard work and diligence Dr. Dehring exemplifies in teaching both in the classroom and the OR.

A distinguishing fact about this class is it includes the first graduates of the University of Iowa Anesthesia Nursing Program's Rural Nurse Anesthesia Education Project. The project's aim is to increase the number of CRNAs in rural locations by allowing RNs to go through the program without having to leave their home town for the majority of their training. Three of the graduating students were based in locations other than Iowa City for their primary clinical training and also for part, or all, of their didactic education. The distance locations were Spencer Hospital, Iowa Lutheran (Des Moines), and Metro Anesthesia (West Des Moines). The distance students are able to fully interact during class over a system of Internet Provider based cameras. Each distance location has a web conferencing unit, plus students are provided cameras giving them the option of connecting from their personal residence, or virtually anywhere with high-speed Internet access. The program has also been able to utilize this system to allow guest lecturers to teach without being physically present at UIHC. The Anesthesia Nursing Program currently has three distance students enrolled, and two more will be starting the program in the Fall of 2007.



The faces behind the success of the University of Iowa Anesthesia Nursing Program:  
Edward Thompson, Ph.D., C.R.N.A., Program Director,  
Sharon Doak, M.B.A., Program Coordinator (standing),  
and Dawn Hanna, B.S., Programmer Analyst.



Spring 2007 Graduating S.R.N.A. Class  
Back Row, Left to right: Sarah Hoefling, Carla Aldrich, Trevor Capron, Ben Nuti, Monica Firme, Mary Koopmann; Front Row, Left to Right: Lisa Schlenker, Susan Pair, Jennifer McClimon, Stephanie Lawrence



# Photo Gallery ASA 2006 MEETING



Gil Kenyon



Barb Bewyer, Betsie Hosick and Jim Lane



Christine Botkin and Javier Campos



Fred Mensink and Deb Dehring



Alan Ross, Jim Blair and Girish Kumar



Won Choi and Dick Schlobohm



Tim Brennan, Brad Hausstad and Wendy Hausstad



Laura Fomitchev, Ivan Fomitchev and Yuri Tsurulinikov



Tara Hata, Javier Campos, Dan Fiddler and Jaroslaw Przybyl



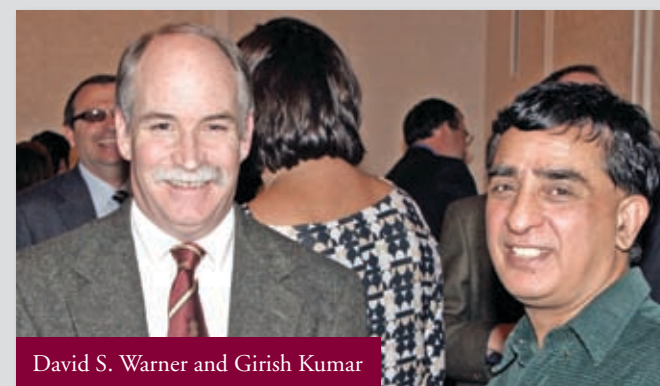
Won Choi and Jim Blair



Left to right: Tom Deprenger, Gil Kenyon, Katherine Moyers (standing), Mary Kenyon and Phyllis Schlobohm



Andrew Wilkey, Javier Campos and Ed Wegrzynowicz



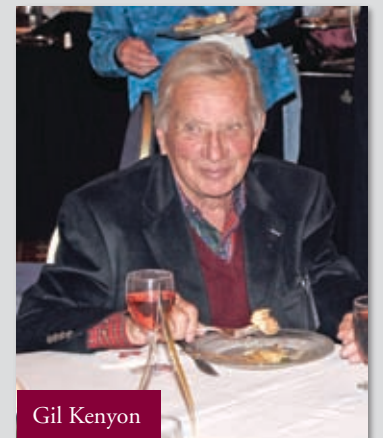
David S. Warner and Girish Kumar



Frank Dexter and Dan Mitchell



Victoria Laur, John Laur and Andrew Wilkey



Gil Kenyon



Tom Deprenger, John McGee and Sharon McGee




# Upcoming Iowa Anesthesia Department CME Conferences

The Department of Anesthesia at UIHC continues to remain active in planning and sponsoring conferences that train physicians in specific areas of the specialty. We look forward to expanding our offerings in the future. Each of the conferences we lead is approved for allowance of CME credits to the participating physician. Detail regarding the upcoming conferences can be found on the Department's Web site at <<http://www.anesth.uiowa.edu>>. Should you have specific questions regarding a conference, you may e-mail or call the UIHC College of Medicine CME office contact, Lori Bailey. She can be reached via e-mail at [lori-bailey@uiowa.edu](mailto:lori-bailey@uiowa.edu) or by telephone at 319-335-8599.

- Anesthesia Symposium VII  
May 2007
- RASCI (Regional Anesthesia Study Center of Iowa)  
May 19 – 20, 2007
- June 16 – 17, 2007
- August 4, 2007
- Fall dates to be announced.

- I-CHAT (Iowa Conference on Hyperbaric Applications and Treatments)  
October 6, 2007
- Iowa Airway Workshop 2007  
October 20, 2007



### IOWA CHAT

Iowa Conference for Hyperbaric Applications and Treatments

**2007**


**SATURDAY, October 6, 2007**

7th Floor Atrium  
Roy Carver Pavilion  
University of Iowa Hospitals and Clinics

Sponsored by: The Department of Anesthesia, University of Iowa Roy J. Carver and Lucille A. Carver College of Medicine

#### Highlights

- Public Health Aspects of CO Poisoning
- Update on Late Radiation Tissue Injury
- The HERTS Trial
- Interpretation of TCM's
- Decompression Illness
- Approval Indicators for HBO/Scuba Indicators
- Current Reimbursement Issues in Hyperbaric Medicine



### Airway Workshop 2007

**SATURDAY, OCTOBER 20, 2007**

Sponsored by: University of Iowa Roy J. and Lucille A. Carver College of Medicine  
Department of Anesthesia

#### 7th Floor Atrium Roy Carver Pavilion University of Iowa Hospitals and Clinics

**Keynote presentation for:**

- Pediatric and neonatal airways (includes new research on how kids breathe now and in the future)
- Update on late radiation tissue injury (LRTI) and its clinical course (HBM & HBO)
- Current airway disease
- Current practice with bronchoscopic airway surgery
- Overview of airway disease techniques
- Late & intermediate airway treatment
- Obstructive sleep apnea
- The glottic airway with current of anesthesia & airway medicine

Program Director:  
Richard D. Jones, MD

This activity has been approved for 4.00 CME Category 1 Credits

# Alumni Update

In each issue of our Newsletter, we will report on activities and matters we feel will be of particular interest to our Alumni and Friends. We want you to look forward to this section and we promise to consider all remarks and suggestions you share with us. We invite you to participate in populating the section with news by submitting your own comments! Feel free to contact Barb at <[barbara-bewyer@uiowa.edu](mailto:barbara-bewyer@uiowa.edu)> or by regular mail via the Department.

Additional regular sections of our Newsletter: In each issue moving forward, we will bring you relevant news from the University of Iowa Foundation. Some issues will highlight the specific programs available to our alumni and friends for gift giving. Other issues may highlight other services the Foundation can offer you. Content we plan to bring you regularly includes profiling individual alumni and friends who are recognized for their contributions to the specialty of anesthesiology, and notification regarding honors and awards granted to our faculty and staff.

Enhanced Web site for alumni and friends: The Department of Anesthesia Home page is currently undergoing an extensive renovation. Dr. Avinash Kumar, working with the Department's Computer Support staff, is supervising the work that will bring the Home page and all the associated links up to date. A major component of the work will be to create an "Alumni and Friends" link. This section of the Anesthesia Home page will serve as a comprehensive information and communications resource. Here one will find department news, announcements, schedules, contacts, upcoming CME programs, and any other materials our alumni and friends are interested in. Also, this section will provide opportunities to instantly update personal information or just to log "what I've been up to" updates. Important links to the University of Iowa Foundation and the Carver College of Medicine will be accessible. It is our goal to establish this "Alumni and Friends" section of our Home page as the place to go when seeking information related to the UIHC Department of Anesthesia. Once our new and improved Web site is up and running, your feedback will be a crucial part of our efforts to provide the resources that serve your needs. Look for this project to be complete and all the enhanced features to be available online by this summer. Until then, please address any responses to this article to Dr. Avinash Kumar at [avinash-kumar@uiowa.edu](mailto:avinash-kumar@uiowa.edu).

# Alumni Profile

## William Hamilton, M.D.

2007 Recipient of the University of Iowa Carver College of Medicine Distinguished Alumni Award for Service



William Hamilton

University of California, San Francisco, Dr. Hamilton worked tirelessly to ensure the success and vitality of the Department, setting goals then surpassing expectations. Respected by his peers and revered by his students, Dr. Hamilton knew how to win hearts and minds while at the same time exhibiting a firm discipline and focus that inspired all with whom he came in contact.

Dr. Hamilton distinguished himself as a physician, an educator, and an academician of the highest order. More importantly though, he has distinguished himself as a leader and a visionary with an unwavering spirit and devotion to his profession and community – with a lifelong interest in the University of Iowa.

Recently, Dr. Hamilton was selected recipient of the University of Iowa Carver College of Medicine Distinguished Alumni Award for Service. Established in 1998, the Distinguished Alumni Award is the highest honor that the UI Carver College of Medicine bestows upon its graduates, and recipients are identified by their outstanding roles as educators, health care providers, and scientists, as evidenced by their becoming influential in advancing the art and science of medicine. The College of Medicine will formally recognize Dr. Hamilton during a special ceremony on June 8, 2007. Dr. Hamilton has agreed to return to Iowa sometime in the future as a Visiting Professor, when he will lecture to the Department house staff and faculty on the topic of the history of the Department.

William Hamilton, M.D., has innumerable achievements to his name. He has been a pioneering researcher, educator, leader, and administrator who made an indelible mark on the specialty of Anesthesiology. He served as the first Chair of the Department of Anesthesiology at the University of Iowa and developed the nation's finest academic medicine department at the University of California, San Francisco, where he currently holds the position of Emeritus Professor of Anesthesia. His education roots are in Iowa, where he received his B.A. at the University of Iowa in 1943, and his M.D. in 1946.

Following his graduation from the UI College of Medicine, Dr. Hamilton served a two-year tour of duty in the Army Medical Corps before returning to the UI College of Medicine to complete his anesthesia residency and pursue a fellowship in cardiovascular research. Dr. Hamilton's drive set him on course to rise through the faculty ranks to ultimately become Professor and Chair of the Department of Anesthesia in 1958. Until his departure in 1967, when he succeeded Dr. Stuart Cullen as the Chair of the Department of Anesthesia at the

INTERNSHIP AND ASSISTANT RESIDENT APPLICATION BLANK  
THE STATE UNIVERSITY OF IOWA  
University Hospitals  
Iowa City

Date: 13 March, 1948

1. Name: William K Hamilton

2. Present Address: 97th General Hospital, APO 757, Ft. Belvoir, IL, 61801

3. Permanent Address: PANORA, IOWA

4. Name and Address of Parents or nearest relative: MRS. O.G. HAMILTON, PANORA, IOWA

5. Date of Birth: 1922 December 15 (year) (month) (day)

Religious affiliation: PRESBYTERIAN (month) (day)

6. Married or Single: MARRIED

7. Place of Birth: GUTHRIE CENTER, IOWA

8. Preliminary education (state in detail): LIBERAL ARTS - 3 academic years - Sept 1940 - Dec 1942

9. Professional education (with degrees and exact dates of graduation): State University of Iowa, College of Medicine, Doctor of Medicine degree in December 1943

10. Previous institutional experience (Give beginning and closing dates, year, month and day in each instance):  
St Luke's Hospital, Duluth, Minnesota 1 April 1946 to 30 June 1947  
97th General Hospital, U.S. Army, Europe - Discharge Due in Summer 1949

11. Present military status or selective service classification: Active Duty with U.S. Army in Europe - Discharge Due in Summer 1949

12. Position sought: Residency in Anesthesiology

13. If physically ineligible for military service give general reasons for disqualification

14. If discharged from military service, give exact date with an indication of military rank and type of service

OUR LETTERS OF RECOMMENDATION sent promptly and directly to the hospital (Not required of interns)

I hereby agree and pledge myself as follows (1) to serve during the entire term to faithfully comply with the rules and regulations of the Hospitals now in effect and those of the future.

Signed: William K Hamilton

Please indicate comparative class standing: 22

Signed: W. K. Hamilton

mounted photograph must accompany this application



# Mark Your Calendar!

The Newsletter staff will share with you special events being planned that involve the Department of Anesthesia. We invite you to read these with your calendar nearby, marking the dates for those occasions you can plan to join. We always welcome alumni and friends of the Department at these events, and we encourage you to attend.

Should you be planning a trip to Iowa early this summer, two events we are particularly proud to announce are our honoring of recently appointed emeritus professors and our celebration of Dr. William Hamilton as recipient of the University of Iowa Carver College of Medicine Distinguished Alumni Award for Service. Check below for details!

Should you have questions regarding an event, please contact Barb Bewyer directly via e-mail at [barbara-bewyer@uiowa.edu](mailto:barbara-bewyer@uiowa.edu) or by phone at 319-353-7559.

<b>Friday, June 8, 2007</b> 2:30 – 4:00 p.m.	<b>Department Reception</b> to honor Emeritus Professors Mohamed Ghoneim, M.D. Peter Jebson, M.D. Martin Sokoll, M.D.
<b>Saturday, June 9, 2007</b> 6:30 p.m. RSVP	<b>Faculty &amp; Alumni Dinner</b> to honor Emeritus Professors and William Hamilton, M.D.
<b>Sunday, June 24, 2007</b> 12:00 Noon	<b>Resident Graduation Luncheon</b>
<b>Thursday, June 28, 2007</b>	<b>New Resident Welcome Party</b>
<b>Saturday, July 14, 2007</b>	<b>ABA/ASA Resident Intraining Written Exams</b>
<b>Friday, August 17, 2007</b> 3:00 – 8:00 p.m.	<b>Infant patient simulator demonstration</b> Iowa State Fair, Des Moines
<b>Sunday, September 30, 2007</b> Noon – 2:30 p.m.	<b>All-Department Annual Picnic</b>
<b>Saturday, October 13, 2007</b> 6:00 – 9:00 p.m.	<b>Alumni Reception during Annual ASA Meeting,</b> San Francisco

# Coming Up in the Next Issue

As mentioned in an article in this issue, you can look forward to each Newsletter containing some standard articles and material, as well as unique one-time-only articles. In the Fall 2007 Newsletter, we will publish articles featuring the new Ambulatory Surgery Center (ASC), its Director, Dr. Douglas Merrill, and the special support staff who facilitate the successful operation of the Center. We will bring you photographs of the ASC during construction, at the Open House, and during a normal workday. We are very excited about this new Center and proud of what its opening brings to surgical patients at UIHC. Also in the planning stage for the Fall 2007 Newsletter is an article authored by a current resident, providing her perspective on the Department and its training program.

O.K. That's it! You'll have to wait until you receive your Fall Newsletter to find out what additional content the issue will include. Once again, we remind you to write to us, send us your ideas and suggestions. We welcome hearing from you!

# A Letter from UI Foundation



Tom DePrenger

## Providing for the Future

Many thanks to all of you who have provided private support to the Department of Anesthesia over the past year. We are deeply grateful and want you to know that your gifts will continue to provide us with the resources we need to remain one of the top programs in the country. Related to that, I'd like to suggest another way you can make a lasting impact on the department and provide yourself with some resources you can use during your lifetime.

Advances in health care during recent years have led to improved quality of life for many and the prospect of living fuller lives. As a result, more people now enjoy longer and more productive retirement years. To assure a comfortable financial future, it is more important than ever to plan prudently for sources of income in retirement for yourself and your loved ones – sources that can withstand the test of time and provide an income for life.

Making charitable gifts can seem more difficult in light of the need to plan for the future in times of lower interest rates and uncertain investment returns. Fortunately, there are ways to make meaningful charitable gifts today to the Department of Anesthesia while receiving payments that will not shrink over time – and that you cannot outlive. For many years, charitable gift annuities have proven to be a popular and reliable way for charitably minded individuals to continue their support as part of their retirement planning as they also preserve, or even enhance, their economic well-being.

By establishing a gift annuity, you can benefit the department while you also:

- Create a source of regular payments in retirement years
- Increase cash flow from highly appreciated assets in a tax-wise manner
- Minimize gift, estate, and income taxes
- Help support a parent, child, or another loved one.

## How Do Gift Annuities Work?

Under the terms of a gift annuity, you make a gift of cash, appreciated securities, or other appropriate assets in a way that allows you to retain payments for the remainder of your lifetime. You can also designate that payments continue for the life of one other person if desired, or direct that the payments be made to one of two others you name. Gift annuity payments vary according to the age of the annuitant (they must be at least 55 years of age or older) at the time the annuity is funded. To receive the maximum benefits from a gift annuity, it is important to think carefully about the property you use to make your gift. Consider the following assets as you decide what might offer the greatest opportunity for you:

- Stocks or mutual funds that have increased in value since you have owned them but yield little or no income
- Cash or the proceeds from bonds, CDs, and other investments that may be providing less income in today's environment
- Amounts withdrawn from a retirement plan. A gift annuity can offer a way to set aside more of such funds to provide future income, while reducing taxes that would otherwise be due now and in the future.

I would be happy to visit with you about gift annuities or any other type of planned gift you might have questions about. Feel free to contact me by sending an e-mail to [thomas-deprenger@uiowa.edu](mailto:thomas-deprenger@uiowa.edu) or by calling 319-335-3305. Thanks again for your interest in and support of the Department of Anesthesia.

Sincerely,

Tom DePrenger  
Senior Director of Development  
Carver College of Medicine/UIHC  
UI Foundation



# Save the Date!



## Highlights

- Public Health Aspects of CO Poisoning
- Update on Late Radiation Tissue Injury: The HORTIS Trial
- Interpretation of TCOM's
- Decompression Illness
- Approval of Indications for HBO/future Indications
- Current Reimbursement Issues in Hyperbaric Medicine

Program Director:  
Shawn Simmons, M.D.

Sponsored by: The Department of  
Anesthesia, University of Iowa Roy J. Carver  
and Lucille A. Carver College of Medicine

## IOWA CHAT

Iowa Conference for Hyperbaric Applications and Treatments

### 2007

SATURDAY, October 6, 2007

7th Floor Atrium  
Roy Carver Pavilion  
University of Iowa Hospitals and Clinics

## Airway Workshop 2007

SATURDAY, OCTOBER 20, 2007

Sponsored by: University of Iowa Roy J. and Lucille A. Carver College of Medicine,  
Department of Anesthesia

**7th Floor Atrium  
Roy Carver Pavilion  
University of Iowa Hospitals  
and Clinics**

**Airway Management for:**

- Parturient
- Infant and neonatal airways (children one month or less old, children one year or less)
- Obese (BMI  $\geq 30$ ) and morbidly obese (BMI  $\geq 40$ )
- Cervical spine disease
- Trauma patient with questionable C-spine injury
- Overview of alternative airway techniques
- Can't intubate, can't ventilate
- Obstructive Sleep Apnea

*\* The afternoon sessions will consist of interactive, hands-on workshops*

Program Director:  
Robert From, DO

This activity has been approved  
for AMA PRA Category 1 Credit™.

For additional information, contact  
Lori Bailey, CME office:

lori-bailey@uiowa.edu  
319-335-8599



University of Iowa Hospitals and Clinics  
Department of Anesthesia  
200 Hawkins Drive  
Iowa City, IA 52242

Nonprofit Organization  
U.S. Postage  
PAID  
Permit No. 45  
Iowa City, Iowa