

**ARIEL BARKAN, M.D.** (Residency 1983), was elected president of the Pituitary Society in June. Barkan is a professor of medicine and neurosurgery as well as the co-director of the Pituitary and Neuroendocrinology Center. His election represents international recognition for the outstanding work being done at U-M. Barkan's research and clinical interests include physiology and pathophysiology of Growth Hormone pulsatile secretion and novel strategies for diagnosis and treatment of pituitary diseases.

**ROBERT H. BARTLETT** (M.D. 1963) was awarded an honorary doctorate degree from the Thomas Jefferson University/Jefferson Medical College in May. Bartlett, an emeritus professor of surgery at the U-M, was recognized for developing extracorporeal life support from the laboratory, through the first successful clinical trials, to routine use worldwide. In addition to the honorary degree, he also delivered Jefferson Medical College's commencement speech in which he stressed the life-long responsibilities new doctors have for their patients.

**VALERIE P. CASTLE, M.D.** (Fellowship 1990), the Ravitz Foundation Professor of Pediatrics and Communicable Diseases and chair of the Department Pediatrics and Communicable Diseases, was elected vice president of the Association of Medical School Pediatric Department Chairs for a two-year term ending in 2015. Castle will then serve as president for two years, followed by a final two-year term as past president. The mission of the association is to pursue optimal health of children through the development of successful academic pediatric departments across North America.

**GRACE H. ELTA** (M.D. 1977) earned a Distinguished Clinician Award in May from the American Gastroenterological Association for her leadership of the U-M endoscopy unit that has become a model for the nation. Serving for more than 10 years as the medical director of the Medical Procedures Unit and associate chief of clinical programs, the award recognizes her vision for providing care that is seamless, thoughtful and comprehensive. A professor of internal medicine, Elta has achieved local and national recog-

niton for her patient care and clinical research activities, particularly in the area of pancreatic and biliary disease and inflammatory bowel disease.

**JAMES B. FROEHLICH, M.D.** (Fellowship 1996), was installed as president of the Society of Vascular Medicine at the society's June meeting. Director of vascular medicine at the Frankel Cardiovascular Center and director of the anticoagulation clinic, Froehlich is an associate professor of internal medicine. His many clinical and research interests include peripheral vascular disease and patterns of vascular disease.

**SUSAN D. GOOLD** (M.D. 1987, Residency 1992) was elected chair of the American Medical Association Council on Ethical and Judicial Affairs, beginning in June. The council maintains and updates the 160-year-old AMA Code of Medical Ethics, widely recognized as the most comprehensive ethics guide for physicians. Professor of internal medicine, and of health management policy at the School of Public Health, Goold's research focuses on "money, medicine and

*(continued on p. 42)*



Barkan



Bartlett



Castle



Elta



Froehlich



Goold

## Faculty Profile ] Hasan Alam: Buying Time

### THE 60 MINUTES FOLLOWING TRAUMATIC INJURY

represent the “golden hour” for saving a life, says Hasan B. Alam, M.D., head of the U-M Section of General Surgery. “You have to first survive the injury to have delayed complications. The window is pretty short.”

Alam has spent much of his career developing life-saving interventions aimed at this critical window. The Norman Thompson Professor of Surgery, Alam was recruited to U-M in October 2012 from Massachusetts General Hospital, where he helped establish their Division of Trauma, Emergency Surgery and Surgical Critical Care, while teaching at Harvard Medical School.

For about half the people who succumb to injuries, it’s not that the wound is too grievous to fix, but that it couldn’t be done quickly enough. “If we can sustain the patient through the first few hours,” he says, “not only will they recover, but they can return to being contributing members of society.”

Alam received his surgical training at the Washington Hospital Center in Washington, D.C., followed by a postdoctoral research fellowship at the Uniformed Services University of Health Sciences (USUHS) in Bethesda, Maryland. He then served as a faculty member at Georgetown University and USUHS.

During his time in D.C. in the 1990s, Washington was known as the murder capital of the nation, amidst a crack cocaine boom that even felled the city’s mayor. As the ‘90s gave way to a new millennium, another kind of violence reared its head: terrorism and battlefield wounds. Alam treated survivors of the 9/11 airliner crash at the Pentagon, and these world-changing events shaped his trajectory as well.

The U.S. Navy asked Alam to focus on hemostatic dressings that would allow soldiers to control bleeding on the battlefield. Alam and his team developed advanced dressings, tested them on animal models and received FDA approval. Within a year, special operations forces in Afghanistan put the dressings to battlefield use. “Trauma care over the last 10 years has been revolutionized based on the lessons we’ve learned on the battlefield,” Alam says.

The Defense Advanced Research Projects Agency and the Office of Naval Research — which have funded high-risk, high-yield projects such as the unmanned drone and the Internet — are backing a Surviving Blood Loss program, including Alam’s “fluidless resuscitation” work. The idea is to create something light and easy to administer, like a pill or an injection, that soldiers could use to survive blood loss for a few hours.

“The things we learn will spill over into the civilian sector. The only winner in war is trauma care,” says Alam.

The other deadly complication from trauma — traumatic brain injury — is not so easily solved. “We have no specific treatment for TBI,” Alam says. “Either you live or you die; your brain will survive or not.” Alam and colleagues are studying a pharmacological intervention to help protect the brain. The Army and Department of Defense are funding the project. In a scenario that seems more sci-fi than science, Alam also is researching suspended animation — which, with fluidless resuscitation, received National Institutes of Health funding.

“Maybe I can’t fix problems within the first few minutes,” he says, “but what if I could put you into a state of suspended animation and buy two or three hours? We then should be able to take a 100 percent lethal injury and convert it to being 90 to 100 percent survivable. —RICK KRUPINSKI



(continued from p. 40)

ethics,” and justice issues in health and health care.

**CRYSTAL HOLMES, D.P.M.**, was appointed in July by Governor Rick Snyder to the Michigan Board of Podiatric Medicine and Surgery, which oversees the practice of more than 840 Michigan podiatrists. An assistant professor in the U-M’s Division of Metabolism, Endocrinology and Diabetes and at the VA Ann Arbor Healthcare System, Holmes’ research interests include diabetic foot management and treatment, wound healing and diabetic limb preservation.

**MONICA LYPSON, M.D.**, was elected to a two-year term on the National Board of Medical Examiners Executive Board of Directors in April. The mission of the NBME is to protect the health of the public through state-of-the-art assessment of health professionals. Lypson is associate professor of internal medicine and of medical education and assistant dean of Graduate Medical Education. Her areas of expertise include primary care and patient-doctor communications.

**KATHRYN MOSELEY, M.D., M.P.H.**, assistant professor of pediatrics and communicable diseases and co-chair of the pediatric ethics committee at the U-M C.S. Mott Children’s Hospital, was elected to the American Medical Association Council on Ethical and Judicial Affairs in July. Moseley is a clinical bioethicist and is part of the Child Health Evaluation and Research Unit.

**JOHN V. MORAN, Ph.D.**, professor of human genetics and of internal medicine and a Howard Hughes Medical Institute investigator, was awarded the Curt Stern Award by the American Society of Human Genetics at its October meeting. The award recognizes Moran’s leadership in research on the biology of DNA sequences that can change their position in the genome — creating or reversing mutations and altering the genome’s size — as well as for his mentorship of graduate students and postdoctoral researchers.

**CHUNG OWYANG, M.D.**, the H. Marvin Pollard Professor of Internal Medicine, was awarded the Julius Friedenwald Medal by the American Gastroentero-

logical Association in May to recognize his lifelong contributions to the field of gastroenterology. Owyang, in his distinguished 34-year career, built the Division of Gastroenterology and, as chief, continues to oversee one of the truly elite GI programs in the U.S., while making many important discoveries through his own research program that advance our understanding of the physiology of pancreatic secretion.

**ROBERT SILBERGLEIT (M.D. 1992)**, associate professor of emergency medicine, accepted the Clinical Trial of the Year award presented in May by the Society for Clinical Trials for his work with the Rapid Anticonvulsant Medication Prior to Arrival Trial (RAMPART), a multi-center study that involved 893 patients ranging in age from several months to 103 years experiencing status epilepticus — seizures lasting longer than five minutes. Paramedics using autoinjectors to deliver drugs into muscle were able to stop life-threatening seizures more quickly and safely before patients reached the hospital. —EK



Holmes



Lypson



Moseley



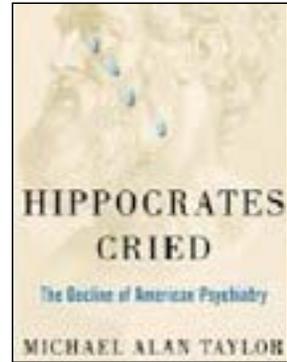
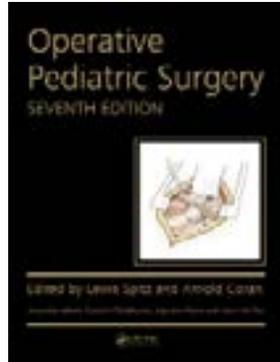
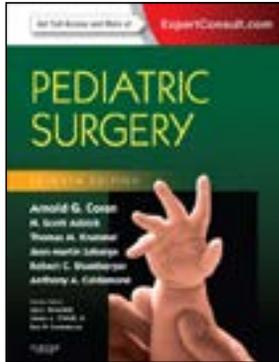
Moran



Owyang



Silbergleit



Edited by Nancy Barbas (M.D. 1984), associate professor of neurology; Laura Rice-Oeschger, M.A.; and Cassie Starback: *The Shapes of Memory Loss*, MPublishing, 2013.

By Arnold G. Coran, M.D., professor emeritus of surgery; N. Scott Adzick, M.D.; Thomas M. Krummel, M.D.; Jean-Martin Laberge, M.D.; Robert Shamberger, M.D.; and Anthony Caldamone, M.D.: *Pediatric Surgery*, seventh edition. Mosby, 2012. Also, edited by Arnold G. Coran, M.D.; and Lewis Spitz, Ph.D., M.D.: *Operative Pediatric Surgery*, seventh edition. CRC Press, 2013.

By Daniel Hinshaw, M.D., professor of surgery: *Suffering and the Nature*

*of Healing*, St. Vladimir's Seminary Press, August 2013.

By Cheryl A. King, Ph.D., professor of psychiatry; Cynthia E. Foster, Ph.D., assistant professor in psychiatry and director of the University Center for the Child and the Family; and Kelly Rogalski, M.D.: *Teen Suicide Risk: A Practitioner Guide to Screening, Assessment, and Management*. Guilford Press, 2013.

Edited by Diane Simeone, M.D. (Residency 1995), Lazar J. Greenfield Professor of Surgery, professor of molecular and integrative physiology, and director of the Translational Oncology Program in the Comprehensive Cancer Center; and

Stephen Pandol, M.D.: Special Issue of *Gastroenterology*, Volume 144, Number 6. May 2013. Also edited by Diane Simeone, M.D.; and Anirban Maitra, M.D.: *Molecular Genetics of Pancreatic Cancer*. Springer Sciences+Business Media, 2013.

By Michael Alan Taylor, M.D., adjunct professor of psychiatry, *Hippocrates Cried: The Decline of American Psychiatry*, Oxford Press, 2013.

Edited by Francis P. Worden, M.D. (Fellowship 2000), associate professor of internal medicine; and Rami N. Khoriaty, M.D. (Fellowship 2012), clinical lecturer of internal medicine: *Oncology Boards Flash Review*. Demos Medical Publishing, 2013. —EK

