

## First Robotic Surgery in Kentucky

The first robotic surgical procedure in Kentucky was performed at the Chandler Medical Center Hospital on January 13, 2004, using the new da Vinci® Surgical System. The surgical team consisted of Chand Ramaiah, M.D., Director of Minimally Invasive Cardiac Surgery and Assistant Professor of Cardiothoracic Surgery; Phillip Camp, M.D., Assistant Professor of Cardiothoracic Surgery; Randy Schell, M.D., anesthesiologist; Jeannie Dalton, R.N.; Heather Courtney, OR Tech;



Robotic Surgery Team: clockwise from left front, Heather Courney, Jeannie Dalton, R.N., Robert Mentzer, M.D., Chand Ramaiah, M.D., Randy Johnson, Phillip Camp, M.D.

Randy Johnson, OR Tech; and observed by Department of Surgery chairman, Robert Mentzer, M.D. Dr. Ramaiah, as lead robotic surgeon, performed a left internal mammary artery (LIMA) mobilization.

Dr. Ramaiah, who is highly trained in laparoscopic procedures, limited the time for the procedure to one hour in order to minimize patient exposure to anesthesia. It was completed in 45 minutes and he stated that there were no problems and the team worked together very well. He has since done six of the procedures. Dr. Ramaiah and Dr. Camp will train on the robotic system soon in vascular surgery which will allow them to perform fully robotic coronary artery bypass surgery.

UK Department of Surgery is the first in the Commonwealth to use a robotic system to assist or completely perform procedures. Unlike most institutions, UK is using or intending to use the robot in multiple specialties including Cardiothoracic, Pediatric, Urologic, Vascular and General Surgery as well as Transplantation.

On February 6, 2004, Stephen Strup, M.D., Director of Minimally Invasive Urologic Surgery and Associate Professor, performed the first fully robotic surgery: a prostatectomy. The operating room team consisted of Jason Crane, M.D., Urology chief resident, Rachel Mullins, R.N.,

*continued on p. 2*

*"The Department of Surgery has three principal goals: outstanding resident and medical student education, excellent patient care, and high quality research activities."*

*Robert M. Mentzer Jr, M.D.  
Frank C. Spencer  
Professor and Chairman,  
Department of Surgery*

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## Center for Advanced Surgery Opens Its Doors

For some time now, the Operating Room Executive Committee (OREC) has been working with the leaders of our institution to expand the capacity of our current surgical facilities. The first cases were performed at the Center for Advanced Surgery as planned on Monday, February 16, 2004. A total of 27 cases were performed on opening day. The industry standard for the number of cases generally performed at a new surgery center on opening day is 3-5 cases. During February, a total of 129 cases were performed at the CAS; 375 in March.

In upcoming months, the Center for Advanced Surgery (CAS), housed in the top two floors of the Gill Building, will provide an additional eight operating suites dedicated to outpatient surgical procedures. The spacious CAS has separate adult and pediatric waiting areas, sixteen Stage One recovery beds, and twenty-four private pre-op/



Banners on lighposts in front of the facility welcome patients

Stage Two recovery rooms. Instrument processing and sterilization are performed on site.

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**UK**  
UNIVERSITY OF KENTUCKY  
College of Medicine  
Department of Surgery



Bottom: the position of the surgeon's hands  
Top: the position of instruments and console view



Stephen F. Strup, M.D.

ROBOTIC SURGERY, continued from p. 1

Laurie Morrison, R.N., Jennifer Watkins, R.N. and Devon Lewis, Perioperative Services.

Dr. Strup had trained on the da Vinci® prior to coming to UK, but this was his first surgery using the system. "Like any new instrument, it takes getting used to," Strup said, "but the range of movement is wonderful, especially the wrist." Since February, Dr. Strup has performed six prostatectomies. The first took five and a half hours, the sixth took four hours, he said that the robotic procedure time was approaching the three to three and a half hours in which he could do the procedure laparoscopically.

Joseph Iocono, M.D., Assistant Professor of Pediatric Surgery and Daniel Beals, M.D., Associate Professor of Pediatric Surgery have trained in Cincinnati and plan their first robotic case in June. According to Dr. Iocono, "the application of robotics in pediatric minimally invasive surgery is just beginning. I expect robotics to have a similar impact on the future care of children as laparoscopic surgery did when it was introduced."

Other clinical faculty members that will be exploring and employing the robotic system are Siby Saha, M.D. and Timothy Mullet, M.D., for thoracic surgery; Thomas Johnston, M.D., Assistant Professor of Surgery, Transplantation Section; David Minion, M.D., Assistant Professor, General Surgery, for vascular surgery; and the new director of MIS, Raymond Gagliardi, M.D. who will be joining the faculty in July from Case Western University.

Laparoscopic surgery has been a common procedure in the past few years and was the mainstay of minimally invasive surgery (MIS). However, from the surgeon's point of view, there are limitations when using laparoscopic instruments. First, the field of vision is two-dimensional; the robotic field of vision is three-



Chand Ramaiah, M.D.

dimensional. The range of movement of laparoscopic instruments is very restricted (they only open and close); the robotic "hand" has a full range of movement. Finally, the robotic equipment virtually eliminates surgeon tremor.



Joseph Iocono, M.D.

**Comparison of Conventional (open retropubic prostatectomy [RP]), Laparoscopic and Robotic RP (VIP)**

Variable	Open RP	Laparoscopic	VIP (dVP)
Number	100	50	100
Operative time, min	164	248	140
Blood loss, mL	900	380	<100
Positive margins, %	24	24	5
Complications, %	15	10	5
Catheter, days	15	8	7
Hospitalization, days	3.5	1.3	1.2
Score, n (%)*	6 (100)	4.5 (75)	2.3 (38)

\*the values for the reference standard (open RP) were considered the index value, with values in each row (n) referenced to the index value. The final score is normalized to 100; a lower score indicates a better operation. Source: Menon, M. *Robotic radical retropubic prostatectomy. BJU Int* 2003;91(3):175-176.

In the past decade there has been rapid growth in the field of minimally invasive therapies, and it is driven in large part by patient demand. There are many benefits for the patient. In a study of more than 200 men with prostate cancer, robotic surgery significantly improved outcomes and reduced complications, blood loss and hospital lengths of stay as compared to traditional open and manual laparoscopic surgery (see Table).

The new system maintains a corresponding eye-hand-instrument alignment. The instruments move in the same direction as the surgeon's hand so that there is natural hand-eye coordination. Traditional laparoscopic instruments have a counter-intuitive movement as if the procedure were being reflected in a mirror. The surgeon is able to work easily, comfortably and intuitively with many of the same skills as open surgery. The robot mimics



Overview of the daVinci Surgical System

*ROBOTIC SURGERY, continued from p. 2*

the movement of the human hand and translates natural hand and wrist activity into corresponding, scaled movements decreasing the learning curve, minimizing fatigue, hand tremor, and facilitating ambidextrous movements.

The console gives surgeons control and the ability to navigate inside the patient during surgery. The view of the operative field on the console's screen is a true-to-life 3-D image and includes the necessary depth perception for manipulation of delicate tissue layers. The camera controls allow for change, movement, zoom, and rotation of the field of vision without disrupting the procedure.

One of the possible problems with open surgery is the incision site. The patient often experiences discomfort and there is a potential for infection in any opening in the skin. The robotic LIMA procedure used only three small ports. In terms of recovery time and quality of life it is a great improvement over the traditional incision.

With the support of Joseph Claypool, Hospital Administration, the Department was able to get the latest generation in robots. It has three instrument arms which, in the words of Dr. Camp, "Allows more stability, the surgeon can have two active hands and another hand in the field without violating MIS principles."

A new era has started for the Department of Surgery and the Commonwealth of Kentucky. Robotic surgery will allow the performance of state-of-the-art procedures, but more importantly it will enhance care of patients served by the UK Medical Center. As Dr. Mentzer remarked, "the point of expanding our capabilities with robotic surgery is not to have the latest technology, but to improve the care and quality of life of our patients."

*CAS, continued from p. 1*

The center has been opened in a phased process. Initially three operating rooms were opened for the first four week period from February 16 – March 14, 2004. On March 15, three additional operating rooms were opened. Currently the date for the opening of the final two operating rooms at the CAS is pending. At that time, the facility will be available for all services to perform outpatient procedures.

A number of groups were involved in the processes needed to open the CAS. The



*Dan Goulson, M.D., Medical Director and Donna Reed Norton, R.N., M.S., Administrative Director of the Center for Advanced Surgery*

Physician Advisory Committee (PAC) was organized for the purpose of making recommendations to the OREC regarding CAS policies. The PAC will have an ongoing role in the management of the center.

Donna Reed Norton, R.N., M.S. was named the Administrative Director of the Center for Advanced Surgery and began her new job duties on August 25th. Ms. Norton is an experienced administrator who has managed several ambulatory surgery centers. Most recently she was the administrator of Surgicare of Wichita, Kansas, a seven bed, multi-specialty facility. In addition to her experience with free standing surgery centers, Ms. Norton has managed intensive care, medical-surgical, and post-anesthesia care units. Ms. Norton has educational degrees in Management, Community Health and Nursing. She is originally from Western Kentucky and was eager to return to the Commonwealth.

The Operating Room Executive Committee, in conjunction with Edwin Bowe, M.D., Chair of Anesthesiology, has appointed Dan Goulson, M.D. as Medical Director of the Center for Advanced Surgery. As Medical Director, Dr. Goulson is a member of both OREC and PAC. Dr. Goulson joined the UK Anesthesiology Department in 1997. Previously he was the Chair of the Anesthesia Department at the Northern Navajo Medical Center, Indian Health Service, in New Mexico. He received an M.D. from the University of North Carolina School of Medicine and performed his residency at the University of Wisconsin Hospital and Clinics.

Additional management team members include Cheryl L. Harrison, CAS Business Staff

supervisor and Mary B. Moore, CAS Staff Development Manager. Ms. Harrison held a number of positions in the University of Kentucky Operating Room Services Between 1990 and 2004, including serving as the Administrative Support Associate to the Director for more than five years. During her nursing career Ms. Moore has had extensive experience with a number of Lexington health care providers including St Joseph Hospital, Lexington Clinic, Humana Hospital, Lexington Surgery Center and Central Baptist Hospital.

The CAS management team in conjunction with Dr. Goulson and Ms. Norton comprise the CAS Patient Care Committee which reviews key

performance indicators on a regular basis. The Patient Care Committee makes recommendations to the PAC regarding practice and policies in order to achieve desired patient and physician satisfaction and efficiency targets.

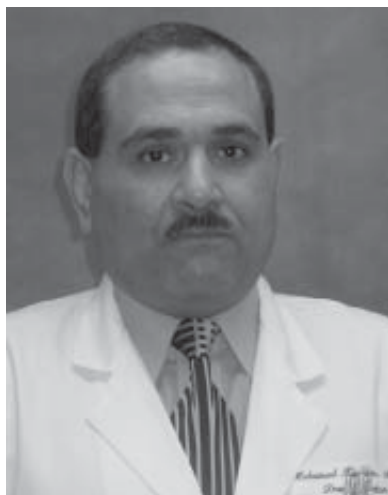
OREC committee members include: Robert M. Mentzer, Jr., M.D., Chair; David Allen; Sanford Archer, M.D.; Edwin Bowe, M.D.; Dan Goulson, M.D.; Genevieve Haas, R.N.; Donna Reed Norton, R.N., M.S.; Andrew Pulito, M.D.; and Kay Walter, R.N.

CAS Physician Advisory Committee Members include: Sanford Archer, M.D., Chair; Constantine Charoglu, M.D.; John Conklin, M.D.; Dan Goulson, M.D.; Joseph Iocono, M.D.; M. Salik Jahania, M.D.; Daniel Kenady, M.D.; Scott Mair, M.D.; Stephen Spires, M.D.; Julia Stevens, M.D.; Daniel Stewart, M.D.; Phillip Tibbs, M.D.; Erwin Turner, D.M.D.; Joseph Van Sickels, D.M.D.; and Fred Zachman, M.D.



*An operating room in the Center for Advanced Surgery*

## New Faculty



**Mohamed Ibrahim, M.D., Ph.D.**, joins the Section of Transplantation as Assistant Professor. He received his medical degree from Alexandria University, Faculty of Medicine, Egypt and his Ph.D. from Tohoku University, School of Medicine, Sendai, Japan. Dr. Ibrahim completed a clinical fellowship in multi-organ transplantation at the University of Iowa.

## PolyHeme® Trial at UK

Under the leadership of principal investigator Andrew Bernard, M.D., researchers in the Division of General Surgery have proposed that the UK Trauma center take part in the national clinical trial testing PolyHeme®, an oxygen-carrying blood substitute being developed by Northfield Laboratories, in the treatment of hemorrhagic shock. The first stage of the process, which involved community meetings to explain how patients would be enrolled in the protocol and solicit community feedback on those plans, has been completed.

The study structure falls under a federal regulation that allows research to be conducted in certain emergent situations using an exception from the requirement for informed consent. The federal regulation requires community consultation to ensure that the community is involved in the University's Medical Institutional Review Board's (IRB) decision-making process.

Massive blood loss often causes trauma patients to display dangerously low blood pressure, which increases the risk of organ failure and death due to oxygen deprivation. Northfield Laboratories proposes to enroll 720 patients in the nationwide study, which will last approximately one year. Dr. Bernard expects to enroll 40 to 50 at this location if UK joins the study.



*Andrew C. Bernard, M.D.*

Dr. Bernard and members of the research team have presented protocol information and answered questions at a series of meetings with a variety of groups designed to be representative of the counties involved in this trial (Lexington/Fayette, Anderson, Bourbon, Clark, Jessamine, Madison, Scott, Franklin, Pulaski, Rowan, Breathitt and Woodford counties). The team submitted its report to the UK Medical IRB, which will have final approval to determine whether the protocol proceeds.

For additional information, visit the University of Kentucky PolyHeme® trial Web site: [www.mc.uky.edu/surgery/Divisions/General/polyheme.htm](http://www.mc.uky.edu/surgery/Divisions/General/polyheme.htm).

## Cardiothoracic Surgery Hosts Visiting Professor



*Left to right: Carol Spears, M.D.; Fariba Gharai, M.D.; Timothy Mullett, M.D.; Victor Ferraris, M.D.; Jeffrey P. Gold, M.D.; Phillip Camp, M.D.; Robert M. Mentzer, Jr., M.D.; Chand Ramaiah, M.D.; William Douglas, M.D.; Sajjad Rizvi, M.D.; Salik Jahania, M.D.; and Samantha Terry, P.A.*

Jeffrey P. Gold, M.D. was the visiting professor for the March 31<sup>st</sup> Department of Surgery Grand Rounds. Dr. Gold is the Professor and Chairman of the Unified Albert Einstein College of Medicine Department of Cardiac and Thoracic Surgery, as well as the Cardiothoracic Surgeon-in-Chief of the Montefiore Medical Center. He received his medical degree from Cornell University College of Medicine. His cardiothoracic surgery

residency was completed at the Brigham and Women's Hospital and it was supplemented with additional training as Chief Resident in Congenital Cardiac Surgery at the Boston Children's Hospital. He joined the faculty at Cornell University-New York Hospital as Professor of Cardiothoracic Surgery and Professor of Pediatrics. He joined the Montefiore-Einstein faculty in May 1996 as the leader of

the clinical, research, and educational programs for the Bronx based program and for the Albert Einstein Cardiothoracic Network. He is also a senior and founding member of the Montefiore-Einstein Heart Center executive team.

Dr. Gold's presentation was entitled "Remembering 9-11: Lessons for the Future and Visions of the Past." He spoke about heroism and courage at a time of national crisis and the role of health professionals at a time of national crisis. Clinical case presentations were given by Cardiothoracic Surgery residents Sajjad Rizvi, M.D., chief resident, and Fariba Gharai, M.D., as well as General Surgery residents Carol Spears, M.D. and Ross Tekulve, M.D.

The Division of Cardiothoracic Surgery also co-sponsored Dr. Gold to speak for Medical Education Grand Rounds on "Electronic Learning Styles and Physician Learning Communities: The Status of E-Learning in Medical Education."

In January, Dr. Ferraris and the Division of Cardiothoracic Surgery also hosted Visiting Professor Richard D. Weisel, M.D., chair, division of Cardiac Surgery, professor of Surgery, Department of Surgery, University of Toronto. Dr. Weisel spoke on "Cardioplegia 2004: Improved Results for Coronary Artery Bypass Grafting (CABG)."

## Pilot Program for New OR Scheduling Procedures to Run April 5 through June 30

The pilot program for the new OR scheduling procedures began on April 5, 2004, the new process will be effective at the start of the next fiscal year. The goals of this Process Improvement Initiative are: to increase OR case volume, provide safe anesthesia, and increase customer satisfaction (both internal and external) by improving first-case start times.

In order to facilitate these improvements, several process changes will occur. The most significant change is that 100% of all patient packets for elective cases will be routed through the Pre-Op Clinic along with a checklist outlining all required documentation. Each packet will be assessed by the Pre-Op Clinic clerk to ensure completeness. Each packet will then be reviewed by the nurse practitioner (NP), physician's assistant (PA), or Resident on duty at the Pre-Op Clinic to determine if the patient needs to be seen in the clinic for ancillary tests, cardiac clearance, etc. If necessary, the Pre-Op staff will contact and schedule the patient to be seen. The NP, PA, or Resident will again review patient packets one day prior to surgery to determine if tests are needed on the day of surgery; such packets will be flagged to ensure that tests are completed in a timely manner the following morning. Packets will be sent to OR holding room at UKCMC or CAS as appropriate.

The Pre-Op Clinic itself has made a number of changes to accommodate the new process, including the retention of one resident (Anesthesia) and one Physician's Assistant

(Internal Med), establishment of a Medical Directorship, increased number of telephone lines, computer, and fax capabilities, and private office space for the triage nurse.

*Please note:*

- Physicians will continue to be the first to determine whether a patient needs to be seen at the Pre-Op Clinic. Block-time will be created in the Pre-Op Clinic, based on surgery clinic hours, to accommodate walk-in patients
- Block-time will be created in Cardiology to accommodate those patients requiring cardiac clearance

During the trial period, the Process Improvement Initiative Team will be monitoring and evaluating OR start times, reason codes for delayed start times, efficiency of Pre-Op Clinic, etc. Your input during this time is critical so that appropriate changes can be made. Please communicate your observations to one of the people listed below. If you need additional information regarding the new process, please see Julianna Lee in MN-272 or call her at 323-5604.

Lorra Miracle, Process Improvement/Value Analysis Facilitator.....323-4745

Diana Sage, Process Improvement Facilitator.....257-9643

Jennifer Riley, Patient Care Manager, Pre-Op Clinic.....257-5414

Judy Niblett, Patient Care Manager, PACU.....323-8090

## Resident of the Month February



**Brian P. Thornton, M.D.**, Plastic Surgery resident, was selected as the resident of the month for February 2004. Dr. Thornton was nominated by a nurse at the VA, who remarked that "Dr. Thornton treats from the smallest procedure to the largest as the most important case of the day, week, month or year, always with respect. Our patients think he is great, so does our staff. Dr. Thornton always takes an extra minute to listen to other problems. I cannot say enough good things about this young man, from the first time I worked with him, he impressed me with his concern for our veterans."

Dr. Thornton received a certificate; his picture was posted at UK and VA; \$150 credit at the UK Medical Bookstore; \$80 included in his paycheck, provided by the Medical Professions Placement Service, to pay for dinner out; and a parking space for a month in the VA parking garage.

## 2004 Department of Surgery Strategic Planning Retreat

On Friday, March 12, the Department of Surgery held its 3<sup>rd</sup> biennial Strategic Planning Retreat at the Lexington Hyatt Regency.

Under previous chairs the Department had a different type of strategic planning process, which included regular retreats. However, the new process, which was conceived by current chairman, Robert M. Mentzer, Jr., M.D., with the approval of the division chiefs, was implemented in 1999. Previously there had been no venue that offered all faculty, residents and staff the opportunity to come together and share plans, goals and accomplishments. It was agreed by the chairman and division chiefs that this type of communication was needed and important to the overall planning process. It serves as an informational and networking time for every member of the Department.

Each division/section chief presented a summary of strengths, weaknesses, opportunities and threats for his areas and concluded with action steps and goals. The same information

for the departmental administrative offices was presented by Mr. Shuck, Department Administrator. The morning session ended in a panel discussion with Provost Michael Nietzel, Ph.D., Executive Vice President for Health Affairs Michael Karpf, M.D., and Executive Vice President for Research Wendy Baldwin, Ph.D.

In conjunction with the Surgery Strategic Planning Retreat, the Excellence Award program recognized staff members who made outstanding contributions in the areas of patient care, administration/education and research and residents who have demonstrated excellence in the execution of their responsibilities. Surgery division chiefs selected winners for their areas in 2004. Overall winners for the department were selected from these divisional winners by a Nominations Review Committee and were announced at the Retreat luncheon. The awards went to: Diana Shappley, R.N., Patient Care; Jane

Keeble, Administration; Margaret Plymale, R.N., M.S.N., Education; Marietta Barton-Baxter, C.C.R.C., Research; Phillip Chang, M.D. and Dane Glueck, M.D. co-winners in Patient Care.



*Departmental awards: (left to right) Dane Glueck, M.D.; Margaret Plymale, R.N., M.S.N.; Phillip Chang, M.D.; Robert M. Mentzer, Jr., M.D., Jane Keeble; Diana Shappley, R.N.; Marietta Barton-Baxter, C.C.R.C.; and Charli Townes*

# Twenty-seven Years With the Department of Surgery



Jane Keeble

Jane Keeble will be leaving the Department of Surgery after 27 years in the Division of General Surgery. She is retiring and moving to Virginia. Jane has steadfastly refused any acknowledgements or gifts for her service, but a coworker of hers wrote the following and it echoes the sentiments of many who will miss this wonderful lady. Goodbye, Jane.

*Miss Jane's desk is filled with flowers – a peony, roses, irises and spiderworts all grace her desk. The flowers look as if intended for a Monet painting - colors both subtle and vibrant against the dark wood desk. Daily another flower offering appears for Miss Jane to add artistically to the still life.*

*The flowers are a silent tribute of respect from those she has listened to, mentored and helped. Miss Jane retires on June 30, of this year after 27 years with the Department of Surgery, Division of General Surgery. She has directed the administrative activities of General Surgery through both trouble-free and trying times with humor, grace, wit and intelligence. She treats everyone the same, it does not matter if it is a delivery person or a visiting dignitary; everyone is treated with respect, a great gift to all from a great lady.*

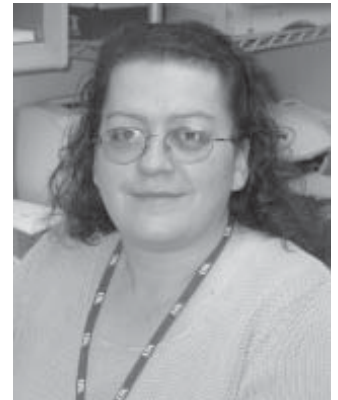
*Miss Jane will not allow a grand farewell, a party in her honor. She tells us to "send a flower to those in need, or a balloon to a child with cancer." So silently each day those she has touched appear with another offering of respect, a bit of beauty for one who has given us so much loveliness.*



Lisa Marble, Staff Support Associate II, Neurosurgery



Charity Ellis, Staff Support Associate II, Pediatric Surgery



Donna Smith, Staff Support Associate II, Transplant



Jeremy Steve Lawson, Clinical Services Tech I, Urology



Lynne Cornish, Data Coordinator Sr., General Surgery



Whitney Walls, Administrative Staff Support II, Neurosurgery



Lori Eddinger, Staff Support II, Toni Johnson, Staff Support II, Neurosurgery

## New Staff

## New Arrivals

- Dr. **William Rosenblum** and his wife Gwen are the proud parents of a 7lbs 8oz girl named Jessica Eve.
- Drs. **Gentian Kristo** and his wife Fjoralba Babamusta welcomed their son, Elis Andon Kristo on February 4.

## Congratulations

Congratulations to the Divisions and Sections of the Department of Surgery that received Awards for Registration Accuracy

**Platinum**

Transplant, Neurosurgery

**Silver**

General Surgery, Plastic Surgery

**Bronze**

Urology

## Awards and Honors

**Sibu Saha, M.D.**, Assistant Professor, Cardiothoracic Surgery, received an M.B.A. from the University of St. Francis, Joliet, Illinois in December 2003.

**Alfred M. Cohen, M.D.**, spoke to the Society of Surgical Oncology in March. He was the 2003-2004 president of the society and his presidential address was entitled, "Friendships, Partnerships and Teams – Keys to Academic Success." The meeting, which was held in Manhattan, was the largest meeting on record for the society, 1250 physicians.

**Henry C. Vasconez, M.D.**, Chief of the Division of Plastic Surgery, was featured in the March

28<sup>th</sup> Lexington Herald-Leader. The newspaper published an eight-page special report entitled "Operation Ecuador."

Dr. Vasconez returns to Ecuador, his childhood home, each year leading a team of medical workers. The team operated on 172 patients in the nine days they were there. Dr. Vasconez founded the annual Medical Mission Ecuador 14 years ago. This year he recruited his largest group, more than 90, from the United States and Canada.



Henry C. Vasconez, M.D.

## Pulito Represents KMA Advocating for Medical Liability Reform



Andrew Pulito, M.D.

Andrew Pulito, M.D., chief of Pediatric Surgery, Vice Chair of the Department of Surgery and KMA President, has been representing KMA in advocating for medical liability reform. In February, he appeared as a panelist on Kentucky Tonight, a weekly public affairs discussion on KET. In March, he addressed the Northern Kentucky Medical Society and participated in a panel discussion hosted by the Louisville Forum, which was broadcast on radio. He also joined Sen. David Williams in testifying in support of SB1 before the House Committee on Elections, Constitutional Amendments and Intergovernmental Affairs. Strong testimony was offered on the need for constitutional change and the effect rising malpractice rates have on patient access to a number of specialties. According to KMA the response from physicians and the general public with calls, letters and emails has inundated the legislators. In a two week period, they received more than 1000 e-mails.

## Divisional Surgery Excellence Award Winners

### Cardiothoracic Surgery

Stacey Richey, R.N., Patient Care

Ethel Wisdom, Administration/Education

Connie Dampier, R.N., Research

Sajjad Rizvi, M.D., Resident Award

### General Surgery

Mary Lawson, Patient Care

Jane Keeble, Administration/Education

Shaun McKenzie, M.D., Research

Phillip Chang, M.D., Resident Award

### Neurosurgery

Diana Shapple, R.N., Patient Care

Stacey Thompson, Administration/Education

Bonnie Rosbolt, Pharm.D., Research

Shaad Bidiwala, M.D., Resident Award

### Orthopedic Surgery

Henrietta Johnson, Patient Care

Cindy Aitkin, Administration/Education

Dane Glueck, M.D., Resident Award

### Otolaryngology

Myra Williams, Patient Care

Charlene Monaghan, Administration/

Education

Logan Collins, Research

### Pediatric Surgery

Becky Taylor, Administration/Education

### Plastic Surgery

Sherry Lackey, R.N., Patient Care

Dee Olsen, Administration/Education

Betsy Fink, Research

Brian Thornton, M.D., Ph.D., Resident Award

### Transplant

Saeed Sharify, Research

Nicholas Lopez, M.D., Resident Award

### Urology

Tina Petot, Patient Care

Tasos Tahmatzopoulos, M.D., Research

Jenne Garrett, M.D.

### Surgery Departmental Offices

Margaret Plymale, M.A., Education

Marietta Barton-Baxter, C.C.R.C., Research

## Annual Wildcat Symposium

Darren L. Johnson, M.D. and the University of Kentucky Sports Medicine Center will be hosting the 6th Annual Sports Medicine Wildcat



Symposium on Friday May 14th and Saturday May 15th.

It will be held at the Embassy Suites on Newtown Pike in Lexington, KY. The Keynote speaker will be Peter Indelicato, M.D. from the University of Florida. This

Symposium is for physicians, nurses, athletic trainers, physical therapists, physician assistants and all others interested in or working in the sports medicine field. For further information and registration, please go to CE.uky.edu.

## Visiting Professor Paul N. Manson, M.D.

In April, the Division of Plastic Surgery's "Andrew M. Moore, Sr. Visiting Professor" was Paul N. Manson, M.D., Professor and Chief, Division of Plastic Surgery, The Johns Hopkins University. Dr. Manson received his medical degree from Northwestern University, his general surgery residency was performed at Boston City and New England Deaconess Hospitals, and his plastic surgery fellowship at Johns Hopkins Hospital. His presentation was entitled, "Facial Injuries: Evolution of Current Treatment."



Left to right: Chris Marek, M.D.; Brian Thornton, M.D.; Ameen Habash, M.D.; Paul N. Manson, M.D.; Clint Merrick, M.D.; Jason Jack, M.D.; and Rob Ferguson, M.D.

## New Faculty



Donald E. Patterson, M.D.

Donald E. Patterson, M.D. comes to the Department as an Assistant Professor in the Division of General Surgery. He received his medical doctorate from the University of Texas Medical School at Houston and performed his residency at Scott and White Memorial Hospital, Temple, Texas. Dr. Patterson also completed fellowships in Endovascular Surgery at Arizona Heart Institute, Phoenix, Arizona and in General Vascular Surgery at Pennsylvania Hospital, Philadelphia, Pa.

## External Project Grants Awarded

- ◆ **Easton Reid, Ph.D.**, has been awarded a National Institutes of Health/ National Heart Lung and Blood Institute grant in the amount of \$63,141 for his project, "Cardiac Opioid Receptors and Protein Kinase C."
- ◆ **Victor Ferraris, M.D.**, has been awarded a Bayer Pharmaceuticals grant in the amount of \$14,300 for his project, "The Effect of Aprotinin on the Thrombin Receptor, PAR-1."
- ◆ **Roy Patchell, M.D.**, has been awarded \$2,000 by the American College of Radiology for acting as Study Chair of the "Radiation Therapy Oncology Group Protocol RTOG 00-13."
- ◆ **Paul Spring, M.D.**, has been awarded a Kentucky Lung Cancer Research Program grant in the amount of \$200,000 for his project, "Multidrug Resistance in Lung Cancer."
- ◆ **Hong-Bo Zhao, M.D., Ph.D.**, has been awarded a National Organization for Hearing Research grant in the amount of \$15,000 for his project, "Regulation of Cyclin-dependent Kinases on Math1 Gene Expression in Hair Cell Differentiation."
- ◆ **Natasha Kyprianou, Ph.D.**, has been awarded a National Institutes of Health/National Cancer Institute grant in the amount of \$1,192,657 for her project, "Anoikis Effect by Quinazolines on Prostate Growth."

## 2004 Department of Surgery Research Colloquia Schedule

The Research Colloquia are held in MN136, the College of Medicine Dean's Conference Room. Each colloquium is scheduled from 8:30 to 9:30 a.m.

### JANUARY 21

#### **Timothy Mullett, M.D.**

Associate Professor  
Division of Cardiothoracic Surgery  
*Evolution of Clinical Trial Networks*

### MARCH 17

#### **Lixin Zhang, Ph.D.**

Postdoctoral Fellow, Neurosurgery  
*Neuroprotective Effects of the Neuregulins on Dopamine Neurons and*

#### **Robert Lasley, Ph.D.**

Professor of Surgery  
Department of Surgery  
Director, Surgical Research  
*Signal Transduction in Cardiac Cells*

### MAY 20

#### **Michal Toborek, M.D., Ph.D.**

Associate Professor  
Neurosurgery Research  
*Disruption of the Blood Brain Barrier in HIV Infection*

### JULY 21

#### **Paul Spring, M.D.**

Associate Professor  
Division of Otolaryngology  
*The Role of NF-kB and P-Glycoprotein in Low Dose Irradiation of Head and Neck Cancer*

### SEPTEMBER 16

#### **Mansoor Ahmed, Ph.D.**

Associate Professor  
Department of Radiation Medicine  
Graduate Center for Toxicology  
*Role of TGF-beta Signaling in the Regulation of Radiation-induced Apoptosis of Solid Tumors*

### NOVEMBER 17

#### **Bin-Tao Pan, Ph.D.**

Associate Professor  
Division of Neurosurgery  
*Mechanisms of Oncogenic Ras in Tumor Progression*  
and

#### **Nader Hanna, M.D.**

Associate Professor  
Division of General Surgery  
*Gastronintestinal Tumors*

## Faculty Presentations

### Cardiothoracic Surgery

#### Douglas, William I., M.D.

- Congenital Cardiac Surgery in the Adult, A Medical and Surgical Teamwork Approach to Cardiovascular Disease Symposium, Lexington, Ky., January 2004

#### Ferraris, Victor A., M.D.

- Surgical Treatment of End Stage Heart Disease, A Medical and Surgical Teamwork Approach to Cardiovascular Disease Symposium, Lexington, Ky., January 2004

#### Mentzer Jr., Robert M., M.D.

- Advances in Myocardial Preservation, A Medical and Surgical Approach to Cardiovascular Disease. University of Kentucky Colleges of Pharmacy and Medicine Continuing Education Office, Lexington, Ky., January 2004
- New Drugs that Surgeons Need to Know, Tech-Con 2004, San Antonio, Society of Thoracic Surgeons/American Association of Thoracic Surgeons (STS/AATS), San Antonio, Texas, January 2004
- Myocardial Protection and Translational Research, Albert Einstein College of Medicine/Montefiore Medical Center Visiting Professor Surgery Grand Rounds, Bronx, NY, March 2004

#### Ramaiah, Chand, M.D.

- Advances in Minimally Invasive Cardiac Surgery, A Medical and Surgical Teamwork Approach to Cardiovascular Disease Symposium, Lexington, KY, January 2004
- Knowing About the Presentation of Sarcoma and Treatment Options, Tumor Board, University of Kentucky, Lexington, KY, January 2004
- The Role of Robots in Cardiac Surgery, Saint Joseph Healthcare, Lexington, KY, April 2004

### Neurosurgery

#### Patchell, Roy A., M.D.

- New Developments in Neuro-Oncology, Visiting Professor, UT Cancer Center, Memphis, Tenn., December 2003.
- Metastatic Epidural Spinal Cord Compression, Invited Speaker, Danish Society for Medical Oncology, Copenhagen, Denmark, January 2004.
- Surgery Versus Radiation in Spinal Cord Compression, Invited Speaker, Neuro-Oncology 2004: Current Concepts (Cleveland Clinic Brain Tumor Institute and the Department of Neurosurgery), Orlando, Fla., February 2004.
- New Developments in the Treatment of Spinal Cord Compression Caused by Cancer, Invited Speaker, Benton Franklin County Medical Society 20th Annual CME Seminar, Pasco, Wash., February 2004.
- New Treatment Options for Patients with Cancer-Related Spinal Cord Compression, Visiting Professor, Department of Radiation Oncology, Eastern Virginia Medical School, Norfolk, Va., March 2004.

#### Young, A. Byron, M.D.

- Unilateral Intraputamenal GDNF Improve Bilateral Motor Functions In Patients with Parkinson's Disease, AANS Annual Meeting, Orlando, Fla., May 2004
- Outcomes in Glioma: Biopsy and Adjuvant Therapy versus Resection and Adjuvant Therapy: Clinical and Molecular Issues, Annual Neuro-Oncology and Blood-Brain Barrier Disruption Consortium Meeting, Sunriver, Oregon, March 2004

### Orthopaedic Surgery

#### Boland, Michael, M.D.

- Elbow Fracture Dislocations, Trauma Physician Forum Sponsored by EBI, Parsippany, NJ, February 2004
- Controversies in Peripheral Nerve Injuries, Chief Rounds to the Department of Physical Medicine and Rehabilitation, Lexington, Ky., March 2004

#### Charoglu, Constantine P., M.D.

- Adult Wrist Pain, 35th Annual Family Medicine Review, Lexington, Ky., May 2004
- Acute Elbow Pain in a High School Athlete - Poster Presentation, Southeast Athletic Trainers Association Annual Meeting, Atlanta, Ga., March 2004

#### Johnson, Darren L., M.D.

- SLAP Lesions Recognition and Treatment, Cherry Blossom Seminar, Arlington, Va., March 2004
- Arthroscopy Technique in the Treatment of Anterior Shoulder Instability, Cherry Blossom Seminar, Arlington, Va., March 2004
- A Study of the Relationship between Postural Sway, Navicular Drop, and Ankle Strength in Division I Football Players, SEATA Annual Meeting and Clinical Symposium, Atlanta, Ga., March 2004
- Landing Kinematics of Collegiate Women's Basketball Athletes Correlate with Isokinetic Peak Torque Values, SEATA Annual Meeting and Clinical Symposium, Atlanta, Ga., March 2004
- Management of PCL Tears and Posterior Lateral Capsular Instabilities., The 10th Annual Sports Medicine Symposium for the Health Care Professional, Cincinnati, Ohio, February 2004
- Evaluation and Management of the Multiple Ligament Injured Knee, Cherry Blossom Seminar, Arlington, Va., March 2004

#### Mair, Scott D., M.D.

- Bolgla, LA, Uhl TL, Mattacola CG, Malone TR, **Mair SD**. The Effect of a Simulated Knee Effusion of Quadriceps Function: Implications for Rehabilitation. Southeastern Athletic Trainers Annual Meeting, Atlanta, Ga., March 2004.
- Kuschinsky N, Uhl T, Sciascia A, **Mair SD**, Nitz AJ, Maticola CG. Muscle Activity Comparison of 4 Common Shoulder Exercises in Unstable and Stable Shoulders. Presented at the Southeastern Athletic Trainers Annual Meeting, Atlanta, Ga., March 2004.

*continued on page 10*

## Faculty Presentations (continued)

### Pienkowski, David, Ph.D.

- Roche CP, Mattingly B, Vyas A, Talwalkar V, Tylkowski C, Stevens D, Hardy D, **Pienkowski D**. Subject Matched Correlation of Tarsal Articular Surface Morphology and Joint Motion in the Normal Adolescent Foot and Surgically Treated Unilateral Clubfoot, Annual Meeting of the Orthopaedic Research Society, San Francisco, Calif., March 2004
- Marrs B, Andrews R, Rantell T, **Pienkowski D**. Multiwalled Carbon Nanotubes Enhance the Fatigue Life of Bone Cement, Annual Meeting of the Orthopaedic Research Society, San Francisco, Calif., March 2004
- Castellvi A, Huang H, Saigal S, Clabeaux D, Pienkowski D. Semirigidity in the prevention of adjacent level degenerative disc disease, 8th International ARGOS Symposium, Paris, France, January 2004

### Rosenblum, William J., M.D.

- Damage Control Orthopaedics, 2nd Annual Trauma 101 Symposium, Cincinnati, Ohio, April 2004

### Walker, Janet L., M.D.

- Developmental Hip Dysplasia, Residents Conference, Shriners Hospital, Lexington, Ky., March 2004

## Otolaryngology

### Arosarena, Oneida A., M.D.

- Bell's Palsy: Evidence Based Treatment, 35th Annual Family Medicine Review, Lexington, Ky., May 2004
- Repair of Mandibular Fractures using Bone Morphogenic Proteins, Association for Research in Otolaryngology, Daytona Beach, Fla., February 2004

### Spring, Paul M., M.D.

- **Spring PM**, Shajahan S, Satishkumar S, Brown B, Shareef M, Ahmed M. Lack of P-glycoprotein induction causes enhanced tumor cell killing in oral cancers treated with low dose fractionated radiation and docetaxel. American Association for Cancer Research Annual Meeting, Orlando, Fla., March 2004
- Gupta S, Arnold SM, **Spring PM**, Mohiuddin M, Ahmed M. Low-dose fractionated radiation potentiates the effect of cisplatin independent of the hyper-radiation sensitivity phenomenon, in human lung cancer cell lines. American Association for Cancer Research Annual Meeting, Orlando, Fla., March 2004
- Shajahan S, Ahmed M, **Spring PM**. Differential expression of multidrug resistant roteins by varied radiation dose schemata in oral carcinoma. American Association for Cancer Research Annual Meeting, Orlando, Fla., March 2004

### Zhao, Hong-Bo, M.D., Ph.D.

- Connexin hemichannel function in the cochlea, Association for Research in Otolaryngology Annual Meeting, Daytona Beach, Fla., February, 2004
- Carrie R. Fleming and Hong-Bo Zhao, Adult stem progenitor cells in the mouse and guinea pig cochlea, Association for Research in Otolaryngology Annual Meeting, Daytona Beach, Fla. February, 2004.

## Plastic Surgery

### Pu, Lee L., M.D., Ph.D.

- Cryopreservation of Living Tissues and Organs: Preliminary Results from the Cryopreservation Laboratory of the Division of Plastic Surgery, Clinician Scientists and Research in the Department of Surgery Grand Rounds, Lexington, KY, March 2004
- Optimal long-term preservation of adipose aspirates after conventional liposuction, The Aesthetic Meeting, Vancouver, B.C., Canada, April 2004

### Rinker, Brian D., M.D.

- Replantation and Beyond, Department of Surgery Grand Rounds, UKMC, Lexington, KY, February 2004
- Microvascular free flap salvage of the pediatric lower extremity, American Society for Reconstructive Microsurgery Annual Meeting, January 2004, Palm Spring, Calif., January 2004

### Vasconez, Henry C., M.D.

- Plastic Surgical Management of Cleft Lip/Cleft Palate, Orthodontic Graduate Students Management of Complex Orofacial Deformities Course, UKMC, Lexington, Ky., March 2004

## Urology

### Kyprianou, Natasha, Ph.D.

- Effect of Doxazosin on Prostate Apoptosis, International Cardura Faculty Meeting, Zurich, Switzerland, February 2004

### Strup, Stephen F., M.D.

- Hand-assisted laparoscopic nephroureterectomy (HALNU) with en bloc bladder cuff excision: Efficacy and recurrence rate in 59 consecutive cases, Southeastern Section of American Urological Association 68th Annual Conference, Oranjestad, Aruba, March 2004
- Bladder cancer, UK Continuing Education Family Medicine Review, Lexington, Ky., May 2004
- Bladder cancer, UK Continuing Education Family Medicine Review, Lexington, Ky., February 2004
- Laparoscopic radical prostatectomy, Urologic Laparoscopy Course, London Ontario, Canada, February 2004
- Laparoscopic radical nephrectomy, Urologic Laparoscopy Course, London Ontario, Canada, February 2004
- Laparoscopic prostatectomy, Ethicon-Florida Prostatectomy Course, Miami, Fla., March 2004

### Crane, J. Jason, M.D. and Garrett, Jenne, M.D.

- Laparoscopic Interstitial Laser Ablation of the Kidney: Acute and Chronic Porcine Study, Southeastern Section American Urological Association 68<sup>th</sup> Annual Meeting, Oranjestad, Aruba, March 2004

## Faculty Publications

### Department

Sloan PA, **Plymale MA**, LaFountain P, Johnson M, Snapp J, **Sloan DA**. Equipping medical students to manage cancer pain: a comparison of three educational methods. *J Pain Symptom Manage* 27(4): 333-342, 2004.

### Cardiothoracic Surgery

**Kristo G**, **Yoshimura Y**, Niu J, Keith BJ, **Mentzer RM Jr**, Bunger R, **Lasley RD**. The intermediary metabolite pyruvate attenuates stunning and reduces infarct size in in vivo porcine myocardium. *Am J Physiol Heart Circ Physiol* 2004;286(2):H517-24.

**Stevens RM**, **Salik Jahania M**, **Mentzer RM Jr**, **Lasley RD**. Sodium-hydrogen exchange inhibition attenuates in vivo porcine myocardial stunning. *Ann Thorac Surg* 2004;77(2):651-7.

### Neurosurgery

**Lee YW**, Eum SY, Nath A, Toborek M. Estrogen-mediated protection against HIV Tat protein-induced inflammatory pathways in human vascular endothelial cells. *Cardiovasc Res*. In press.

Regine WF, Schmitt FA, Scott CB, Dearth C, **Patchell RA**, Nichols RC Jr, Gore EM, Franklin RL III, Suh JH, Mehta MP. Feasibility of neurocognitive outcome evaluations in patients with brain metastases in a multi-institutional cooperative group setting: results of Radiation Therapy Oncology Group trial BR-0018. *Int J Radiat Oncol Biol Phys* 2004;58(5):1346-52.

Bidiwala S, **Pittman T**. Neural network classification of pediatric posterior fossa tumors using clinical imaging data. *Pediatr Neurosurg* 2004;40(1):8-15.

### Orthopaedics

Brand JC, **Johnson DL**. Initial assessment of the acute and chronic multiple ligament injured knee: physical examination and imaging studies. In: Fanelli GC (ed), *The Multiple Ligament Injured Knee: A Practical Guide to Management*. Springer Verlag; 2004.

**Rinker B**, Efron CR, Beasley RW. Proximal radial compression neuropathy. *Ann Plast Surg* 2004;52(2):174-180.

Wilson T, Kantaras A, Atay A, Johnson D. Tunnel enlargement after anterior cruciate ligament surgery. *Am J Sports Med* 2004;32(2):543-9.

**Wilson T**, **Rosenblum W**, **Johnson DL**. Fracture of the femoral tunnel after an ACL reconstruction. *Arthroscopy* 2004;27(4):389-393.

**Wilson T**, **Satterfield W**, **Johnson DL**. Medial collateral ligament "tibial" injuries: Indication for acute repair. *Orthopaedics* 2004;27(4):389-393.

### Otolaryngology

**Spring PM**, Arnold SM, Dimova N, Shajahan S, Brown B, Dey S, Lele S, **Valentino J**, Jones R, Mohiuddin M, Ahmed MM. Low dose fractionated radiation potentiates the effects of taxotere in nude mice xenografts of squamous cell carcinoma of head and neck. *Cell Cycle* 2004;3(4):479-485.

Arnold SM, Regine WF, Ahmed MM, **Valentino J**, **Spring PM**, Kudrimoti M, **Kenady D**, Desimone P, Mohiuddin M. Low-dose fractionated radiation as a chemopotentiator of neoadjuvant paclitaxel and carboplatin for locally advanced squamous cell carcinoma of the head and neck :results of a new treatment paradigm. *Int J Radiat Oncol Biol Phys* 2004;58(5):1411-1417

### Plastic Surgery

**Marek CA**, **Pu LLQ**. Refinements of free tissue transfer for optimal outcome in lower extremity reconstruction. *Ann Plast Surg* 2004;52(3):270-5.

### Urology

Bhayani SB, Pavlovich CP, **Strup SE**, Dahl DM, Landman J, Fabrizio MD, Sundaram CP, Kaouk JH, Su L. Laparoscopic radical prostatectomy: A multi-institutional study of conversion to open surgery. *Urology* 2004;63(1):99-102.

Chenven ES, McGinnis D, **Strup SE**. The 3-port Laparoscopic pyeloplasty. *J Urol* 2004;171(3):1050-3.

Garrison JB, **Kyprianou N**. Novel targeting of anoikis for prostate cancer therapy. *Curr Cancer Drug Targets* 2004;4(1):85-95.

Tahmatzopoulos A, **Kyprianou N**. Apoptotic impact of alpha1-blockers on prostate cancer growth: a myth or an inviting reality? *Prostate* 2004;59(1):91-100.

Zeng L, **Rowland RG**, Lele SM, **Kyprianou N**. Apoptosis incidence and protein expression of p53, TGF-beta receptor II, p27Kip1, and Smad4 in benign, premalignant, and malignant human prostate. *Hum Pathol* 2004;35(3):290-7.

## May Grand Rounds

MN 363; 6:45-7:45 a.m., unless otherwise indicated

<b>May 5</b>	<b>Nader Hanna, M.D., F.A.C.S., F.I.C.S.</b> Assistant Professor Division of General Surgery	Challenges and Evidence- Based Surgery for Pancreatic Cancer
<b>Friday May 14</b>	<b>Karen E. Deveney, M.D.</b> Professor of Surgery Division of General Surgery Oregon Health and Science University Medical School	Current Management of Rectal Cancer
<b>May 19</b>	<b>William I. Douglas, M.D.</b> Assistant Professor of Surgery and Pediatrics Division of Cardiothoracic Surgery	Adult Extracorporeal Membrane Oxygenation (ECMO)