Expanded Center Boosts Educational Excellence

The newly expanded Clinical Skills Education and Assessment Center is a cornerstone for medical and healthcare education at Ohio State. The center’s expansion allows the university to bolster existing programs, launch new instructional techniques and employ new outcomes assessments to ensure trainee competencies. By housing the most advanced equipment, simulators and observation/AV systems in a state-of-the-art facility, the center puts Ohio State at the forefront of healthcare education in both procedural and patient simulation nationwide.

The expansion adds 18,000 square feet of space to the center’s original 8,100-square-foot learning area located in the basement of Prior Hall. The lower-level space, the Ann Crowe Essig Patient Simulation Learning Laboratory, which opened in 2004, will continue to be used for training healthcare professionals through simulated patient experiences.

The patient encounter rooms replicate hospital and clinic exam rooms. Students and residents can hone their professional and interpersonal skills by conducting histories and physical exams on standardized patients, individuals who are trained to represent specific case scenarios. These interactions not only help trainees learn how to diagnose and treat patients, but also help to develop the trainees’ communication skills. Valid, reliable assessment tools ensure students are ready for progressive levels of responsibility. Observation areas provide for real-time viewing, and an integrated audiovisual system (employed here and throughout the center) digitally records and stores sessions on a web-based server for later off-site review.

The new floor includes areas designed to simulate hospital and clinical settings. Flexible spaces support greater interdisciplinary interaction. The center’s four virtual critical care bays, for example, allow trainees from various disciplines (medicine, pharmacy, allied medicine, nursing, etc.) to work together on patient simulation scenarios in rooms that emulate hospital settings. These include an operating room, an emergency room, a neonatal intensive care/OB/Gyn area and a trauma/intensive care suite.

Procedural practice sessions are heavily integrated throughout the medical school curriculum. In addition, student-led interest groups can organize hands-on procedural workshops on suturing, intubation and phlebotomy. Simulation technology also is available to help residents, faculty, staff and community health professionals advance their skills.

Learn more by visiting medicine.osu.edu/orgs/clinicalskills.

America’s Best – #46 Urology

Department of Urology faculty, supported by nursing and clinical staff, provide patients with dynamic care for a variety of advanced urological problems, explains Robert Bahnsen, MD, department chair and holder of the Dave Longaberger Endowed Chair in Urology.

Within the department are fulltime faculty with subspecialty expertise on oncology urology; pediatric urology; endourology/stone disease; robotics, laparoscopy/minimally invasive surgery; female urology/voiding dysfunction, urologic trauma and reconstruction, and men’s sexual health/fertility.

The two most recent fellowship-trained urologists added to the department specialize in urologic trauma and men’s sexual health/fertility.

The department is a national leader in minimally invasive and robotic surgical care. Ohio State helped pioneer the da Vinci robotic Surgical Systems and offers a multispecialty robotic surgery program that provides more than 70 robotic procedures. In addition to robotic surgery, Ohio State urologists lead the way in natural orifice transluminal endoscopic surgery (NOTES) and laparoendoscopic single-site surgery (LESS), which faculty use for minimally invasive surgical procedures.

While providing expert care, Urology faculty members continue to exhibit the scientific leadership that improves technology and treatment and, ultimately, patients’ lives. Current research studies include a neurogenic bladder study; an interstitial cystitis study; a polyscope fiber-optic durability study; and two methods to diagnose clear cell renal cell cancer — positron emission tomography/computed tomography (PET/CT) imaging with a radioactive antibody in comparison to a CT scan alone, which is currently the standard diagnostic tool. Ohio State is one of 14 sites, and a leading contributor, participating in a phase III renal cell carcinoma imaging clinical trial sponsored by Wilex, an international pharmaceutical company specializing in oncology.

Read the article on the next page about specialized men’s health services. Visit urology.osu.edu for additional information about the comprehensive care provided by Urology faculty.

The 2011 U.S. News World Report rankings of “America’s Best Hospitals” included 11 of Ohio State’s Wexner Medical Center services among the nation’s best. These are: Cancer; Cardiology/Heart Surgery; Diabetes/Endocrinology; Ear, Nose and Throat; Gynecology (Women’s Health); Nephrology; Neurology and Neurosurgery; Orthopaedics; Pulmonology; Rehabilitation; and Urology. Seven services ranked in the Top 25 nationally.

Ranked among “America’s Best” for 19 consecutive years, Ohio State was also chosen by US News as the top hospital in the central Ohio metro region.
Medical Briefs

Match Day is March 16

On Friday, March 16, Ohio State’s Med 4 students will find out where they will continue their training as they open their Match Day envelopes at the Ohio Union. This nationwide event matches fourth-year medical students with medical residency programs. Graduating MDs list their top residency choices, and programs nationwide select applicants from the pool. In addition, graduating MDs nationwide will learn if they have been chosen to participate in one of more than 50 Ohio State training programs accredited by the Accreditation Council of Graduate Medical Education.

Enjoy a ‘Nite Out’

Ohio State medical students, staff and faculty will take to the stage of the Thurber Theatre (located in the Drake Union) at 7 p.m. March 23-24 to entertain, amuse and raise money for the Columbus Free Clinic. This annual production supports the student-managed primary and urgent-care clinic that provides free care to those in need. Tickets, which are $5, can be purchased in the lobby of Meiling Hall the week prior to the event as well as in the Drake Union the nights of the show.

Campus Campaign 2012

During Campus Campaign 2012, which runs through April 30, faculty and staff of Ohio State’s Wexner Medical Center have another opportunity to make a difference in people’s lives. As one of the nation’s most successful faculty and staff giving campaigns, Campus Campaign allows each individual to support any fund at the university. Whether the gift supports a researcher discovering a new cure or therapy, scholarships for students, a fund that helps your coworkers in times of hardship, the arts or any other area of our university, your contribution will make a difference. No gift is too small, and it’s your participation that matters most. Faculty and staff have received their giving packet from their department volunteer. Additional information and online giving is available at the Campus Campaign page of the intranet OneSource. Questions can be directed to the Campus Campaign office at 292-3065 or by e-mail to ccampaign@osu.edu.

Hazez is Brandeis Award recipient

Jeffrey W. Hazez, MD, General and Gastrointestinal Surgery, will receive the Society of American Gastrointestinal and Endoscopic Surgeons 2012 Brandeis Award in March. The Brandeis Award includes an $8,000 scholarship for the Leadership Program in Health Policy and Management at the Heller School for Policy and Management at Brandeis University. The Brandeis course trains clinical leaders in healthcare policy and management and provides healthcare professionals with the skills essential to creating innovative and sustainable solutions to improve the quality, cost effectiveness and efficiency of healthcare service delivery.

EDs earn third-consecutive excellence award

Ohio State’s Emergency Departments (EDs) have received the HealthGrades Emergency Medicine Excellence Award® for the third year in a row. The University Hospital ED and the University Hospital East ED are the only central Ohio EDs to earn this 2012 distinction and are among only 263 institutions honored nationally. Recipients of the award represent the top 5 percent of hospitals in emergency medicine in the nation. HealthGrades found that a typical patient is much more likely to survive an emergency hospitalization at a top-performing hospital than at other hospitals.

OSUCCC – James repeats as Leapfrog ‘Top Hospital’

For the third consecutive year and fourth time in five years, Ohio State’s Comprehensive Cancer Center – James Cancer Hospital and Solove Research Institute (OSUCCC – James) has been named among the safest and most effective hospitals in the country by the Leapfrog Group, a national coalition of public and private purchasers of employee health coverage that collectively work to improve healthcare quality.

Ohio State earns NCI phase II contract renewal

The National Cancer Institute (NCI) has awarded the OSUCCC – James a phase II clinical trials contract that could be worth more than $8 million over five years if fulfilled to capacity. Principal investigator Miguel Villalona, MD, says the money, a renewal of a similar $3 million NCI contract awarded to Ohio State in 2006, will enable the OSUCCC – James to conduct phase II clinical trials on NCI-sponsored agents as the lead institution in a four-member consortium that is one of only seven consortia holding NCI phase II contracts.

Paskett honored for cancer prevention

Electra Paskett, PhD, MSPH, associate director for Population Sciences at the OSUCCC – James, will receive the 2012 American Association of Preventive Oncology (ASPO) Distinguished Achievement Award in March. The award goes to ASPO members who have demonstrated excellence in research related to cancer prevention and control and who are considered experts in their fields. From 2009-11, Paskett was president of ASPO, a post now held by Peter Shields, MD, deputy director of Ohio State’s Comprehensive Cancer Center.

Learn more about how The Ohio State University Wexner Medical Center is “creating the future of medicine to improve people’s lives” by visiting the News and Media Room at medicalcenter.osu.edu.

Urologists offer ED treatment options

Mary Connolly | The Ohio State University Wexner Medical Center

Except for television commercials, men’s sexual health remains a topic that’s seldom discussed—even during doctor visits.

Ohio State physicians Gregory Lowe, MD, and Christopher McClung, MD, would like to change that.

Although occasional ED is normal, men who have repeated difficulty getting or sustaining an erection should talk with their physicians or contact an Ohio State urologist.

Visit urology.osu.edu > Patient Care > Men’s Sexual Health and Male Infertility. For more information or an evaluation, call Lowe at 293-4696 or McClung at 293-3648.

Gregory Lowe, MD
Christopher McClung, MD

Ohio State offers ED treatment options

Urologists offer ED treatment options

Mary Connolly | The Ohio State University Wexner Medical Center

Except for television commercials, men’s sexual health remains a topic that’s seldom discussed—even during doctor visits.

Ohio State physicians Gregory Lowe, MD, and Christopher McClung, MD, would like to change that.

Although occasional ED is normal, men who have repeated difficulty getting or sustaining an erection should talk with their physicians or contact an Ohio State urologist.

Visit urology.osu.edu > Patient Care > Men’s Sexual Health and Male Infertility. For more information or an evaluation, call Lowe at 293-4696 or McClung at 293-3648.

Gregory Lowe, MD
Christopher McClung, MD

Ohio State offers ED treatment options

Urologists offer ED treatment options

Mary Connolly | The Ohio State University Wexner Medical Center

Except for television commercials, men’s sexual health remains a topic that’s seldom discussed—even during doctor visits.

Ohio State physicians Gregory Lowe, MD, and Christopher McClung, MD, would like to change that.

Although occasional ED is normal, men who have repeated difficulty getting or sustaining an erection should talk with their physicians or contact an Ohio State urologist.

Visit urology.osu.edu > Patient Care > Men’s Sexual Health and Male Infertility. For more information or an evaluation, call Lowe at 293-4696 or McClung at 293-3648.

Gregory Lowe, MD
Christopher McClung, MD
Eileen Scahill suggest that BAP1 mutations cause the disease in a small subset of patients with hereditary uveal melanoma and other cancers. Uveal melanoma is the most common type of eye tumor in adults.

“We are describing a new cancer genetic syndrome that could affect how patients are treated. If we know that a patient has this particular gene mutation, we can be more proactive with increased cancer screenings to try to detect these other potential cancers when they are beginning to grow,” says Ohio State Comprehensive Cancer Center scientist Mohamed Abdel-Rahman, PhD, Ophthamology, who is first author of the study reported in the Journal of Medical Genetics.

Continues on next page

But for Ohio State…

DBS can improve quality of life

For an artist, having control of your hands means everything. So when Don, a retired art teacher, started experiencing shakiness in his right hand, it threatened to put his lifelong love of art on hold.

Don was diagnosed with essential tremor, a neurological disorder that causes uncontrollable movement, and he was receiving medication for his condition. Don and his wife, Sandy, continued with their retirement plans: Residing in Sylvania, Ohio, in the summer and Florida in the winter.

However, despite medication, Don’s tremor persisted. Not only was painting out of the question, but his tremor was becoming so bad it was increasingly difficult for him to do things on his own. Simple things like cutting his food and eating required Sandy’s help. The active couple started avoiding social situations and ate in the far corner of their favorite Florida restaurant to avoid embarrassment.

Soon after Don’s diagnosis, his neurologist recommended consulting with Ohio State experts about their successful Deep Brain Stimulation therapy (DBS).

DBS is a leading-edge surgical procedure that can improve the quality of life and decrease physical disability for those suffering from neurological disorders. DBS involves neurosurgical implantation of electrodes into the brain, which are connected to a small pacemaker. The device is implanted into the chest wall. The electrodes deliver tiny electrical signals that calm abnormal brain signals. The goal of these electrical signals is to alleviate disabling symptoms and restore patients to better functioning.

Although the procedure sounded impressive, Don says, “I was a little apprehensive about surgery.” The couple decided to continue trying different medications to treat Don’s tremor. But after a few years of taking many different combinations of more than 30 medications with little relief, Don realized pills weren’t going to cure his condition.

“It got to the point where I had to do something,” Don says. So the couple followed the recommendation of Don’s neurologist and met with Ohio State neurologist Punit Agrawal, DO, and neurosurgeon Ali Rezai, MD. Testing was scheduled to determine whether Don was an appropriate candidate for the procedure. DBS requires one surgery to place electrodes into the brain and a second to implant the programming device into the chest. The assessment showed that Don was an excellent DBS candidate.

“If I knew then what I know now, I would have done it (DBS) right away and not put it off,” Don admits. He explains that his first surgery lasted less than six hours and was pain-free. Don was alert during the surgery so that the Ohio State team could assess his hand control. Sandy was amazed when a staff member came out of the operating room during the procedure to update and show off a well-drawn sketch Don had just made.

As a result of the DBS procedure, Don can control his essential tremor with a click of a button. To stop the shaking, he simply holds the antenna near his chest to turn the programmer on. Don returns to Ohio State every six months to adjust the programmer’s settings.

Don says he is back in control of his life. Once again, he enjoys painting. And instead of sitting in the shadows, he and Sandy now paint in Florida in the winter.

Don was diagnosed with essential tremor, a neurological disorder that causes uncontrollable movement, and he was receiving medication for his condition. Don and his wife, Sandy, continued with their retirement plans: Residing in Sylvania, Ohio, in the summer and Florida in the winter.

However, despite medication, Don’s tremor persisted. Not only was painting out of the question, but his tremor was becoming so bad it was increasingly difficult for him to do things on his own. Simple things like cutting his food and eating required Sandy’s help. The active couple started avoiding social situations and ate in the far corner of their favorite Florida restaurant to avoid embarrassment.

Soon after Don’s diagnosis, his neurologist recommended consulting with Ohio State experts about their successful Deep Brain Stimulation therapy (DBS).

DBS is a leading-edge surgical procedure that can improve the quality of life and decrease physical disability for those suffering from neurological disorders. DBS involves neurosurgical implantation of electrodes into the brain, which are connected to a small pacemaker. The device is implanted into the chest wall. The electrodes deliver tiny electrical signals that calm abnormal brain signals. The goal of these electrical signals is to alleviate disabling symptoms and restore patients to better functioning.

Although the procedure sounded impressive, Don says, “I was a little apprehensive about surgery.” The couple decided to continue trying different medications to treat Don’s tremor. But after a few years of taking many different combinations of more than 30 medications with little relief, Don realized pills weren’t going to cure his condition.

“It got to the point where I had to do something,” Don says. So the couple followed the recommendation of Don’s neurologist and met with Ohio State neurologist Punit Agrawal, DO, and neurosurgeon Ali Rezai, MD. Testing was scheduled to determine whether Don was an appropriate candidate for the procedure. DBS requires one surgery to place electrodes into the brain and a second to implant the programming device into the chest. The assessment showed that Don was an excellent DBS candidate.

“If I knew then what I know now, I would have done it (DBS) right away and not put it off,” Don admits. He explains that his first surgery lasted less than six hours and was pain-free. Don was alert during the surgery so that the Ohio State team could assess his hand control. Sandy was amazed when a staff member came out of the operating room during the procedure to update and show off a well-drawn sketch Don had just made.

As a result of the DBS procedure, Don can control his essential tremor with a click of a button. To stop the shaking, he simply holds the antenna near his chest to turn the programmer on. Don returns to Ohio State every six months to adjust the programmer’s settings.

Don says he is back in control of his life. Once again, he enjoys painting. And instead of sitting in the shadows, he and Sandy now dine in the middle of their favorite restaurant.

Learn more about compelling patient stories that illustrate the remarkable care provided every day at The Ohio State University Wexner Medical Center at medicalcenter.osu.edu. Find additional information about Don and how his artwork is contributing to Ohio State’s success at artworkforohiostateresearch.com.

Continues on next page

P4 Medicine: Ophthalmologists look to predict cancer risk

Eileen Scahill | The Ohio State University Wexner Medical Center

Ohio State researchers have discovered a hereditary cancer syndrome that predisposes certain people to a melanoma of the eye, along with lung cancer, brain cancer and possibly other types of cancer. The hereditary cancer syndrome is caused by an inherited mutation in a gene called BAPI, researchers say. The findings suggest that BAP1 mutations cause the disease in a small subset of patients with hereditary uveal melanoma and other cancers. Uveal melanoma is the most common type of eye tumor in adults.

“We are describing a new cancer genetic syndrome that could affect how patients are treated. If we know that a patient has this particular gene mutation, we can be more proactive with increased cancer screenings to try to detect these other potential cancers when they are beginning to grow,” says Ohio State Comprehensive Cancer Center scientist Mohamed Abdel-Rahman, PhD, Ophthamology, who is first author of the study reported in the Journal of Medical Genetics.

What do you like best about practicing medicine at Ohio State's Wexner Medical Center?

What I enjoy most about practicing medicine at Ohio State is that we are united in our commitment to creating medicine of the future — medicine that is predictive, preventive, personalized and participatory. Our culture of collaboration and breadth of talent in our single-campus university and academic medical center allow us to realize this vision.

What excites you most about the future of medicine?

I'm excited to see how rapidly we are learning, acquiring knowledge through technologies such as genetics that will give us insights about which we have not yet dreamed.

How do you think P4 Medicine will change your specialty over the next 10 years?

P4 Medicine will allow us to stratify information much more precisely to better understand the process and pathway of disease for individual patients. In addition, patients will be true partners in their own care, allowing us to create “life prescriptions” that engage them in a way that has not happened before.

Mohamed Abdel-Rahman, PhD, Ophthamology
**Time and Change: Ohio State’s School of Health and Rehabilitation Sciences**

The new name given in December to Ohio State's School of Health and Rehabilitation Sciences is a better fit for the School that is a nationally recognized education and research leader in Athletic Training, Health Information Management and Systems, Health Sciences, Medical Dietetics, Medical Laboratory Sciences, Occupational Therapy, Physical Therapy, Respiratory Therapy, and Radiologic Sciences and Therapy.

Since 1966, the School has provided the nation with more than 10,000 healthcare professionals. "Our graduates are leaders in their fields, known for their knowledge of the complex techniques and advanced technology required by their professions and how that knowledge translates into quality patient care," says Deborah S. Larsen, PT, PhD, the School’s director.

Expert faculty guide this student success, says Larsen. “The faculty in each of our programs are experts in their fields, leading the way in educational advancements, growth of the professions, and cutting-edge research. Their expertise is evident in their numerous publications, presentations and funded grants, positioning them as important contributors to the future of expanding healthcare delivery in the United States and abroad,” she explains.

In 1955, 11 students in the College of Arts and Sciences were enrolled in a handful of physical therapy courses that led to a one-year certification program or a four-year undergraduate degree program in physical therapy.

By 1966, requests for training in physical therapy led to the founding of the School of Allied Medical Professions (SAMP), a name it held until 2011.

Today, admission to the School is very competitive, and the need for healthcare practitioners continually expand, "adds Larsen.

**CarePoint Lewis Center**

Primary Care Physicians Welcome You

Now accepting new patients!

Our primary care physicians offer:

- Care for people in all age groups including children and seniors
- Evaluation and treatment of health concerns
- Routine physical exams and immunizations
- Routine health and cancer screenings
- Illness treatment for conditions such as cold and flu as well as chronic diseases such as diabetes or asthma
- Gynecologic services including pap smears, menopause care and contraceptives
- Minor surgery, such as suturing, biopsies, and removal of skin lesions and moles
- Education and counseling regarding healthcare issues and concerns

To schedule an appointment with a primary care physician at CarePoint Lewis Center call 614-688-7150.