“We restore and make whole those parts which nature or ill fortune have taken away, not so much to delight the eye, but to buoy up the spirit of the afflicted.”

-Gaspare Tagliacozzi, 1597
Update from the Chair of Plastic Surgery

Michael Miller, MD
Chair, Department of Plastic Surgery

I hope you enjoy catching up with what is happening in the Department of Plastic Surgery. It has been another eventful year. We added two new faculty members whose work is highlighted in this newsletter. Both have national and international reputations as leaders in their respective areas of expertise. Many of our current faculty were recognized with honors and awards. Particularly noteworthy was the establishment of the Robert F. and Edgar T. Wolfe Chair in Plastic and Reconstructive Surgery at Nationwide Children’s Hospital that was awarded to Dr. Richard Kirschner, Chief of the Division of Pediatric Plastic Surgery. Our education program continues to grow in reputation and quality, allowing us to successfully compete for the highest quality incoming residents in the country. Progress was made in our international program with formal cooperative relationships becoming established with San Bartolome Hospital in Lima, Peru, for ongoing training and patient care in plastic surgery. Looking ahead to this upcoming year, expect more progress with the addition of more new faculty members and programs. Stay tuned...

We are continuing to work toward full funding for the Robert L. Ruberg Alumni Chair of Plastic Surgery. We are two thirds of the way there. Please consider making a gift this year! Our development office can work with you to make it happen. Thank you for your faithful support of your OSU Department of Plastic Surgery.
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What’s new in Plastic Surgery

Clinical Innovations

In August of 2013 Dr. Jeffrey Janis joined the OSU Department of Plastic Surgery, coming from the University of Texas Southwestern Medical Center, to serve as Executive Vice Chair of the Department. Dr. Janis brings expertise and experience in a unique area: Surgical Treatment for Chronic Migraine Prevention. He is the only individual in Central Ohio, and one of only a few in the world, who are skilled in this revolutionary and innovative form of treatment. This surgical procedure is applicable for those whose migraines do not respond to medications or other interventions.

Patients who are candidates for this treatment are first evaluated by a multidisciplinary OSU team which performs appropriate assessments and tests to determine if surgical intervention is likely to address the problem. Then an individualized treatment plan, based on the patient’s history, physical exam and tests, is created. If a patient has a specific trigger point that is contributing to the migraine symptoms, the patient may be a candidate for a technique used to identify and decompress these nerves. The patient will then be offered surgical intervention, which may include multiple procedures, all performed in one operation in an outpatient setting. The types of procedures performed within that operation are dictated by the number and location of “trigger points” that are identified.

There is a great deal of data to support the efficacy, safety, and outcomes of this approach, with at least 24 studies published in peer-reviewed journals. Literature includes retrospective studies, prospective pilot studies, prospective randomized controlled studies, sham surgery studies, and five-year follow-up studies. The results show a high level of success, with average improvement of more than 75% from baseline. This approach is therefore far more effective than traditional treatments for this population, and can result in significant improvements in these patients’ quality of life.
Research Innovations:

Dr. David Dean joined the OSU Department of Plastic Surgery in August 2013, coming from the Department of Neurological Surgery at Case Western University to establish the Plastic Surgery Osteo Engineering Lab within the OSU Center for Regenerative Medicine and Cell-Based Therapies. Dr. Dean’s research interests include Craniofacial and Bone Regenerative Medicine, Tissue Engineering, Computer-aided Implant Design, and Additive Manufacturing (3D Printing). A major focus of Dr. Dean’s lab has been the design and fabrication (using 3-D printing) of patient-specific skull implants to replace defects created by trauma or cancer surgery.

The laboratory work includes the use of locally developed implant Computer Aided Design (CAD) software to prepare patient-specific implants, implant components, and surgical devices that are then created via additive manufacturing (3D printing). Using these techniques, Dr. Dean’s team can prepare restorative but inert (i.e., non-resorbing) cranial implants for patients. In addition, a major focus of his preclinical research program has been the 3D printing of resorbable scaffolds. These scaffolds can then be seeded with living cells and cultured, in order to create a “tissue-engineered bone graft.” The process, when perfected, could therefore eliminate the need to take bone from other sites in the body, or to use inert, non-biological materials, to repair defects in the skull. Dr. Dean has multiple publications in prestigious journals that document the success of his techniques. This important work is supported by several research grants from the National Institutes of Health.
HONORS, AWARDS AND APPOINTMENTS

Dr. Greg Pearson was one of three recipients of this quarter’s Exceptional Physician Peer Award from the OSU Wexner Medical Center. This new award was created to recognize junior and mid-career physicians for “showing exemplary skills in one or more of the following areas: patient focus, collegiality/professionalism, innovative models of care, leadership and collaboration.”

Dr. Michael Miller was elected in May, 2014, to be one of the 22 Directors of the American Board of Plastic Surgery. Dr. Miller will serve six years on the board, overseeing the Plastic Surgery certification process. Dr. Miller continues to serve on the General and Plastic Surgery Devices Panel of the U.S. Food and Drug Administration; he was recently appointed as Reconstructive Surgery Section Editor of the Annals of Surgical Oncology.

Dr. Richard Kirschner was named the first recipient of The Robert F. and Edgar T. Wolfe Chair in Plastic and Reconstructive Surgery at Nationwide Children’s Hospital. Dr. Kirschner was recently elected Vice President of the American Cleft Palate-Craniofacial Association.

Dr. Anne Taylor served as the President of the Ohio Valley Society of Plastic Surgeons for the past year. Dr. Taylor presided over the 2014 meeting of the Society, which was held at The Greenbrier in White Sulphur Springs, West Virginia, from June 5 to 7. Many OSU faculty members, including Dr. Albert Chao, Dr. Jeffrey Janis and Dr. Richard Kirschner, participated in the program, along with several of the OSU Plastic Surgery residents. Our residents were the winners in the Resident Jeopardy portion of the program! During the meeting, Dr. Robert Ruberg was presented with the President’s Award for Service.

Dr. Jeff Janis recently published the second edition of his textbook, Essentials of Plastic Surgery. Dr. Janis was elected President of the American Council of Academic Plastic Surgeons in April and currently is a member of the American Society of Plastic Surgeons Board of Directors, serving as the Vice President for Education. Dr. Janis will also serve as the Program Chair for the ASPS Annual Meeting in Chicago this fall. Finally, he also serves on the Program Committees of the American Association of Plastic Surgeons and the American Society for Aesthetic Plastic Surgery.

Two OSU faculty members, Dr. Gayle Gordillo and Dr. Anne Taylor served as Visiting Professors for the ASPS/Plastic Surgery Foundation during the 2013-2014 academic year. Dr. Jeff Janis has been selected as an ASPS/PSF Visiting Professor for the 2014-2015 academic year. Each Visiting Professor is usually hosted at four academic institutions during the year of service, with resident education being the principal focus of the visits.

Dr. Gayle Gordillo presented "MicroRNA Regulates Hemangioendothelioma Growth by Targeting the Nox-4/MCP-1 Pathway" at a 2014 meeting of the International Society for the Study of Vascular Anomalies in Melbourne, Australia.
HONORS, AWARDS AND APPOINTMENTS

Dr. Susan Vasko (and co-authors) presented “Bupivacaine versus Liposome Bupivacaine for Pain Control after Augmentation Mammaplasty” at the April, 2014 meeting of the American Society for Aesthetic Plastic Surgery in San Francisco.

Dr. Albert Chao has assumed the role of Program Director for the OSU Plastic Surgery Microsurgery Fellowship. During the past year, he has been appointed to the ASPS Curriculum Development Committee (which is co-chaired by Dr. Jeff Janis), and the ASPS In-Service Examination Committee.

Dr. Adriane Baylis currently serves as a Council Member for the American Cleft Palate-Craniofacial Association.

NEW FACULTY ADDITION

The newest member of the OSU Plastic Surgery family is Dr. David Cabiling, who joined the faculty in August, 2014. Dr. Cabiling completed his undergraduate degree in biophysics at the Johns Hopkins University in 2001. He then moved to Philadelphia where he completed both his medical school and plastic surgery residency at The University of Pennsylvania as well as a research fellowship at the Children’s Hospital of Philadelphia. He subsequently pursued a reconstructive microsurgery fellowship at M.D. Anderson Cancer Center in Houston Texas. His interests include general reconstructive plastic surgery as well as microsurgery in trauma and cancer patients.

INTERNATIONAL SERVICE

Casa Azul America, Inc. is a non-profit foundation founded in 2007 by Dr. Richard Kirschner (Chief of Plastic and Reconstructive Surgery at Nationwide Children’s Hospital) and his wife LoriAnn Kirschner, RN (Education Outreach Liaison at Nationwide Children’s). The mission of the organization is to build sustainable interdisciplinary team care for cleft-affected children in developing countries. Through the support of Nationwide Children’s and through private donations, Casa Azul America has worked to fulfill its vision by providing both professional education and surgical care to children in Latin America.
INTERNATIONAL SERVICE

For many years, the Casa Azul America team dedicated its efforts to the children of Monterrey, Mexico. In 2013, a new partnership was forged with San Bartolome Hospital and with a team of plastic surgeons, led by Dr. Luis Paredes, in Lima, Peru. In addition to surgical missions, the Casa Azul America team has provided didactic and hands-on education to surgeons, dentists, and speech therapists in Lima. Last year, Dr. Adriane Baylis (Director of the Velopharyngeal Dysfunction Program at Nationwide Children's and Assistant Professor in the Department of Plastic Surgery at OSU), along with craniofacial speech fellow Caitlin Cummings, offered a cleft palate speech workshop to local providers, while the Casa Azul America surgical team members continued their work to build hope and smiles for the children of Lima.

JAMES HOSPITAL EXPANSION

In December 2014, The Ohio State University will open the doors of the new James Cancer Hospital and Solove Research Institute and Critical Care Center, a transformational facility that fosters collaboration and integration of cancer research and clinical cancer care, as well as critical care. The new James will help revolutionize cancer prevention and care by enabling world-class oncologists and researchers to work side-by-side to solve the mysteries of this disease. The facility also includes additional critical care beds and a new Emergency Department.
RESIDENCY UPDATE

For the first time since 1972, no residents “graduated” from the OSU program in June 2014. This unusual circumstance is the result of the change in our program from a 5 year “combined” program to a 6 year “Integrated” program. The residents who started the 5 year program in the 2008-2009 academic year, completed their residencies in June 2013. Those who started in the following year (2009-2010) will train for six years, completing their residencies in June 2015. Therefore, the only “graduate” in June 2014 is Dr. Theodore Nagel. Ted is finishing the OSU Microsurgery fellowship, and will be entering practice at Bassett Medical Center in Cooperstown, NY.

The Chief Residents who will finish training in 2015 are: Dr. Tyler Angelos, Dr. Joseph Brown, and Dr. Cain Linville. Tyler and Joe are “integrated residents;” they have been in our program since 2009. Cain is an “independent” resident; he will have spent 3 years with us, beginning in 2012.

We have two residents starting in PGY-1 of the Integrated residency on July 1, 2014. Dr. Jenny Barker is an MD/PhD graduate of University of Texas Southwestern Medical School in Dallas. Jenny received her undergraduate education at Massachusetts Institute of Technology, where she was a varsity volleyball player and captain of MIT’s competitive cheerleading squad, and served as a mentor for underprivileged girls who were interested in science and engineering. Dr. Juan Rendon is an MD/PhD graduate of the Loyola University Chicago Stritch School of Medicine in Maywood, IL. Juan received his undergraduate BS in Nursing from Georgetown University. In order to refine his nursing skills, Juan deferred admission to medical school for a year, and worked as an RN in the cardiothoracic ICU at UCLA Medical Center. It is interesting to note that in the entire pool of medical school graduates applying for Plastic Surgery residency this year, there were only 5 MD/PhDs, and 2 have chosen to come to OSU for their training!

We also have one Independent resident starting in the 4th year of our program. Dr. Jaime Aburto completed his general surgery training at Wright State University. Jaime was born in El Paso, TX, and received his medical degree from the University of Monterey in Mexico. He is scheduled to finish his training with us in June 2017.
SUPPORT FOR THE MISSION OF OSU PLASTIC SURGERY

The education, research and clinical care missions of the OSU Department of Plastic Surgery are enormously aided by contributions to our Development Funds. We suggest considering a contribution to one or more of the following funds:

**Robert L. Ruberg, MD Alumni Fund in Plastic Surgery** (OSU Fund #646231). This fund is being used to fund an endowed chair in Dr. Ruberg’s name in the Department of Plastic Surgery.

**Academic Excellence Fund in Plastic Surgery** (OSU Fund # 301744). This fund supports the academic programs in the Department, especially the Plastic Surgery Residency.

**Plastic Surgery Discovery Fund** (OSU Fund #302557). This fund supports the research laboratories in the Department of Plastic Surgery.

**Reconstructive/General Plastic Surgery Fund** (OSU Fund #313669). This fund principally supports the clinical activities of Department faculty members.

For information about additional funds in the Department, and for “Ways to Give,” please log on to the Department on-line contribution site: [http://plasticsurgery.osu.edu/ways-to-give/](http://plasticsurgery.osu.edu/ways-to-give/)
RESIDENCY INSERT

FUNDING THE PLASTIC SURGERY RESIDENCY

Many people believe that “The University” supports our residency program. We have observed that there is a great deal of confusion about how the Plastic Surgery Residency is actually funded. In reality, there is actually NO monetary support from The Ohio State University for our residency. A University appointment (which all of the full-time Plastic Surgery faculty members at the Wexner Medical Center and at Nationwide Children’s Hospital have) entails a specific requirement for teaching. (In fact, there is a quantified requirement that each faculty member must spend 10% of his/her time in teaching-related activities.) However, this required teaching effort is only specific for medical students (and others enrolled at the University, for example, graduate students), and doesn’t include residents (who are considered employees, not students).

Resident salaries are paid by the Medical Center from monies received from Medicare. The Medical Center also provides a small fraction of the educational costs (approximately $50,000) which partially supports the Program Director (Dr. Greg Pearson) and the Education Program Manager (Stacey Seibert). All other costs (the remainder of the costs for the Program Manager, all of the costs for the Academic Program Coordinator, resident travel, books and loupes, visiting professors, etc.) are paid from the Academic Excellence Fund in Plastic Surgery and (mostly) from Department funds.

The Academic Excellence Fund in Plastic Surgery relies on tax-free contributions from the full time faculty and other donors (part-time faculty, former residents, patients and various interested parties) for all of its revenues. Monies generated in conjunction with the annual Ruberg Symposium make up a significant portion of the revenues in the Academic Excellence Fund. But the bulk of the resident expenses are paid directly from Department resources, which represent monies generated as a result of the practices of the full-time faculty members. To keep the residency program funded adequately and to provide the highest level of resident experience, we therefore rely heavily on the generosity of many different people who are willing to contribute to the Academic Excellence Fund (OSU Fund # 301744).
RESIDENCY INSERT

RESIDENCY GRADUATES PHOTO PROJECT

We are trying to create a photographic record of all of the graduates of the OSU Plastic Surgery residency. We have pictures of some of the recent graduates, but have no pictures of graduates from years ago. Therefore, we are asking ALL graduates of our residency to search their files and send us pictures. Ideally we would like a head and shoulders picture similar to what you might have used for photo identification for a residency application, or something similar. If you have such a picture from about the time of your residency, we would love to have a copy. If nothing from the time of your residency is available, then a current picture will have to do. Please send your pictures in any available form to:

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Thanks!