1. Department Chair’s Essay

The past four years have been extremely productive for the Department of Plastic Surgery at the Ohio State University. The continual growth trajectory of our business and the development of state-of-the-art technology designed for the care of our patients has been the driving force for our team’s continued expansion of our faculty, providers, and services. In addition, the reputation of the entire Plastic Surgery product line has been rapidly expanding and there have been many significant achievements within the clinical, research, and teaching arenas.

In clinical care our guiding principle is to provide services that are fully integrated into a multidisciplinary environment within an academic medical center, as well as providing readily available reconstructive surgery services to other specialists at the University Hospital, Ross Heart Hospital, James Cancer Hospital, and Nationwide Children’s Hospital. Our surgical volumes, billings, and revenues reached record levels again in fiscal year 2011. Some cases performed this year have never before been performed at The Ohio State University. Our physicians are among the first to use new robotic technologies in the operating room. In addition to advanced techniques for reconstructive surgery, we continue to offer state-of-the-art aesthetic surgery as an essential part of a comprehensive clinical service in plastic surgery.

We successfully recruited four new members to the full-time faculty this year, increasing the number of faculty in our department faculty to fifteen:

- Dr. Maya Spaeth joined our faculty at Nationwide Children’s Hospital. She will serve as the Co-director of the Hand, Microsurgery, and Brachial Plexus Center at Nationwide Children’s Hospital.
- Adrian Baylis, PhD, CCC-SLP is a Speech Scientist and Speech-Language Pathologist who joined Nationwide Children’s Hospital as Director, Resonance Disorders Program and Co-Director, 22q11 Deletion Syndrome Center
- Dr. Melissa Kinder joined us after successfully completing her Plastic Surgery Residency here at OSU. She has an interest in pursuing a hand fellowship in the future.
- Alok Sutradhar, PhD is our post-doctoral researcher in advanced technology applications in surgery. He joined our Department as an Assistant Professor this spring. Dr. Sutradhar also has a faculty appointment in the Department of Mechanical and Aerospace Engineering at OSU.
- In addition, we are in the process of recruiting two more physicians, a hand specialist and a microsurgeon, further expanding the expertise and capability of Ohio State Plastic Surgery.
With the addition of these four new faculty members, the OSU Department of Plastic Surgery is now a full-service academic plastic surgery group of thirteen practicing physicians making it one of the largest plastics surgery programs in the nation. Our success in recruiting additional faculty members helped us achieve our goal of becoming a Department at The Ohio State University.

In order to support this growth in faculty, we have added several key staff members in administration and clinic to our organization. Melanie Dickman, Administrative Associate, Heather Graley, RN, Stacey Seibert, Education Coordinator all joined us this year. We will also be finalizing the addition of a new Clinic Manager and Human Resources Specialist.

Our mission remains to “restore, repair and make whole those parts which nature had given but fortune has taken away.” Our program’s primary objective is restoring wholeness to people suffering from physical deformities through integrated programs in patient care, education and research in the field of Plastic Surgery. Our vision is to foster and build partnerships with other academic disciplines and hospitals as well as our patients and the community to develop our program to become nationally and internationally renowned.

Due to our significant academic and clinical growth this year, we have opened a new multidisciplinary clinic at the James Breast Center, in addition to our locations at Gowdy Field, Nationwide Children’s Hospital and Easton Town Center. The formalization of our Department status at the Ohio State University Medical center makes us one of a handful of such programs in the country, and one of the largest. Department status has several advantages, not the least of which is enhanced recognition as a leader in our field- regionally, nationally and internationally. We look to continue this momentum and represent the Institution in a positive light, currently and in the future.

Our priorities for the upcoming year include:
- Utilizing and enhancing our Departmental status at The Ohio State University
- Continue to work toward financial stability
- Actively recruit key faculty in integral areas of the department, especially in research
- Foster academic development of current faculty
- Continue to refine clinical care processes
- Establish a high risk treatment center within our clinic at Gowdy Field
- Utilize a multi-media approach to further publicize our unique clinical services
- Expand our basic and translational research programs in wound healing, biocomputation, regenerative medicine, and clinical science.

Clinical services

Our clinical services continue to expand both in volume and scope.

Dr. Gregory Pearson continues to have a very active practice in General Plastic Surgery, particularly in facial trauma and Pediatric Plastic Surgery. He assumed all responsibility for performing surgery on patients through the Craniofacial Clinic at Nationwide Children’s Hospital upon Dr. Ruberg’s retirement and served well in this position. In addition, his
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assistance with the residency program is of tremendous help to the Director. Dr. Pearson is projected to take over as Program Director in 2012. He also organized the Tri-State Craniofacial Meeting that was held in Columbus in October, 2010.

Dr. Pankaj Tiwari completed his fourth year here at Ohio State and he has continued to perform beyond our expectations. His clinical practice volume has grown such that he is at the top of our department. He has also grown in his management and leadership skills and has been an effective Clinical Affairs Director. Dr. Tiwari also acts as the lead advisor for our Communication and Marketing projects which includes our departmental website. He has also represented the Department and University internationally, with several trips to India.

Our Easton office location has become very successful under the leadership of Dr. Anne Taylor, who has now been a part of the Department’s faculty for three years. Dr. Taylor serves as the Aesthetic Director of our program as well as the Director of the Resident Cosmetic Clinic. Dr. Taylor also represents our Department and the University by serving on many different committees and leadership positions in local and national Plastic Surgery professional organizations. This year, Dr. Taylor led the effort to create an Aesthetic Fellowship, the first of its kind here at the University.

Dr. James Boehmler has completed his third year with in the Department of Plastic Surgery. Dr. Boehmler is one of five of our reconstructive microsurgeons and his clinical volumes have grown tremendously over this past year. Dr. Boehmler has contributed greatly to the Department by establishing our microsurgery laboratory and by serving as the Department’s Finance Director. In addition, he serves on several critical committees including OpTime and Epic which are crucial roles as these two systems were implemented in our department in August 2009. Dr. Boehmler will also serve the Department as Vice Chair of Operations, as well as coordinate the upcoming IHIS transition as our Departmental Super User.

The Department was delighted this year to join forces with The Department of Orthopedics to create the Microsurgery Training Center based at the multidisciplinary Hand Center. We also anticipate adding an additional plastic surgery hand specialist. This will continue the tradition of cooperation that is encouraged here at Ohio State.

The Department has continued our strong alliance with Nationwide Children’s Hospital, which is under the direction of Dr. Richard Kirschner. OSU Plastic Surgery assisted with the recruitment of a new pediatric plastic surgeon, Dr. Maya Spaeth. Dr. Adrian Baylis also joined the team as a speech pathologist working with resonance disorders and 22q11 deletion syndrome. Over the past year, nearly all of our full-time faculty members have provided general plastic surgery and clinical services at Children’s. OSU Plastic Surgery continues to work with Children’s Hospital to conduct two major multidisciplinary clinical programs. The Craniofacial Clinic has been staffed primarily this year by Dr. Gregory Pearson who has been assisted by Dr. Robert Ruberg. This program has been very successful and continues to grow in patient volume. In addition, Dr. Gayle Gordillo has continued to direct the multidisciplinary Vascular Malformations Clinic that serves as a center for patient care as well as clinical and basic translational research.

Research
Mirroring our achievements in clinical care, our talented faculty are expanding in clinical, basic, and translational research.

Dr. Gordillo serves as our dedicated clinical researcher and has been quite productive and successful this year. She has continued developing her successful research program in wound healing and vascular malformations. She has furthered her national chronic wound tissue bank and has made important contributions in wound healing and vascular malformations research. Dr. Gordillo has been appointed as Vice Chair of Research for our Department, coordinating all basic, translational, and clinical research for Plastic Surgery.

Alok Sutradhar, PhD., our post-doctoral researcher in advanced technology applications in surgery, joined our Department as an Assistant Professor this Spring. He also has a faculty appointment in the Department of Mechanical and Aerospace Engineering at OSU. He has been working on several different project areas including: 1) Measuring skin elasticity and skin thickness of the female breast in order to create a physics-based simulation of the breast for surgical planning, teaching, and outcomes prediction. 2) Developing patient-specific optimal layout of reconstructed craniofacial region subject to constraints using topological optimization methods. 3) Developing a mathematical model to predict successful tissue transfer method based on blood vessel diameter, tissue volume and oxygen delivery. 4) Computer simulations to predict breast augmentation surgeries, i.e., mastopexy and implant reconstruction and 5) Developing a framework designed for an objective assessment score for selection of appropriate type of breast reconstructive surgery. These ongoing projects have resulted in two article publications (one in Proceedings of the National Academy of Sciences) and another two article submission. He has given 2 invited talks (i.e., Penn State, U Pittsburgh) and two presentations (ASME Congress IMECE). His research has been highlighted in ‘The Economist’, ‘Spiegel Online’, ‘Science update’, ‘Smart Planet’ among other places. He has served multiple times this year on grant review study sections at NSF. He is also an active member of the ASME technical committee on Mechanics in Biology and Medicine. He has organized a symposium on ‘Mechanics in Cancer’ which was sponsored by NCI. We still have plans to recruit a more senior full-time research scientist to serve as our Research Director.

Dr. Ergun Kocak has completed his second year as one of our microsurgery faculty members with in the Department of Plastic Surgery. Dr. Kocak has proven to be a tremendous asset to our Department as he is a capable clinician and a promising researcher. He has presented his research at the ASRM annual meeting in January 2011. Methodology developed from Dr. Kocak’s laboratory has also been disclosed to The Ohio State University Office of Technology and Licensing and is being reviewed for patentability at this time. Dr. Kocak has had three peer reviewed manuscripts published in Plastic and Reconstructive Surgery Journal within the last 12 months. A fourth paper outlining his laboratory work is under review at this time. He is also in the data accrual phase for a human trial that will compare CT angiograms to intraoperative perforator vessel anatomy in autologous DIEP flap breast reconstruction cases.

Education
We made significant advances in our education program.

Under the direction of Dr. Michael Miller as Program Director and Dr. Gregory Pearson as Associate Program Director the Department initiated the 3rd year of 6-year integrated residency program. The program has experienced unprecedented success in recruiting the very best match candidates from around the country and world.

We have continued to enhance our communication with the community faculty through social events, a monthly community faculty meeting and a city-wide M&M conference as well as establishing a local professional society, Columbus Society of Plastic Surgeons. Our visiting professors this past year have all spoken at the Columbus Society of Plastic Surgeons and this has drawn exposure to Ohio State and what our faculty has to offer to the community.

2. Mission and Vision Statements

Mission:
The mission of the Department of Plastic Surgery at the Ohio State University is to restore wholeness to people suffering from physical deformities through integrated programs in patient care, education, and research in the field of Plastic Surgery.

Vision:
We will be the world’s leading center for the practice, training, and advancement of Plastic Surgery.

3. Research Programs

A. Basic Science

- Kocak, Ergun (Principle Investigator). Gene Directed Enzyme Prodrug Therapy in Gene Modified Muscle Flaps using a Syngeneic Tumor in an Immunocompetent Rat Model. Seed Grant from The American Cancer Society, $30,000.
- Kocak, Ergun (Principle Investigator). Gene Directed Enzyme Prodrug Therapy in Gene Modified Muscle Flaps using a Human Xenograft Tumor in an Immunodeficient Mouse Model. CCTS Davis Bremer Pilot Award, $40,000.

B) Clinical Research

- Gordillo, Gayle M. (Principal Investigator) A multicenter randomized, controlled trial examining cellular and tissue oxygenation levels related to various wound healing therapies- KCI USA, Inc. $124,878.
• Gordillo, Gayle M. (Principal Investigator) A Prospective, Multi-Center, Double Blind, Randomized Placebo Controlled Trial to Evaluate the Safety and Efficacy of ICXP007 in a Phase III trial with Four-Layer Therapeutic Compression, for the Treatment of Non-Infected Skin Leg Ulcers due to Venous Insufficiency. FDA Phase III, $195,304.

• Gordillo, Gayle M. (Co-investigator) Efficacy of Natural Vitamin E Tocotrienol on the Treatment of Surgical Scars – Randomized Double-Blinded Placebo Controlled Trial Designed to Assess the Qualitative Effects of Tocotrienol on Scar Healing Outcomes in Plastic Surgery Patients, $600,000

• Gordillo, Gayle M. (Principal Investigator) Use of dermaPACE (Pulsed Acoustic Cellular Expression) device in conjunction with standard of care in the treatment of diabetic foot ulcers – SanuWave; FDA phase II; $73,506

• Kocak, Ergun (Co-investigator). Distal Interphalangeal Joint Arthrodesis with the Herbert Headless Compression Screw: Outcomes and Complications in 67 Consecutively Treated Joints.

• Kocak, Ergun (Co-investigator). A Reliable Method for the Preoperative Estimation of Tissue to be Removed during Reduction Mammoplasty.


• Kocak, Ergun (Principle Investigator). Breast Aesthetics: Objective Measures Based on 3-D Imaging.


C) Translational Research

• Gordillo, Gayle M. (Principal Investigator) Gene Expression Profiles in Healing and Non-Healing Wounds – a large multicenter translational research protocol being implemented at OSU and other wound care centers in the National Healing Corp network that collects wound tissue specimens, medical history and clinical outcomes data to determine patterns of gene expression in healing versus non-healing wounds. Tissue specimens will be evaluated by histology for quality control and then proceed to gene chip analysis on single cell populations using laser capture technology. Data collection and management strategies were incorporated into the protocol, which is also approved by the GCRC at OSU. They support the data collection process.

• Gordillo, Gayle M. Mechanisms Regulating Wound Vascularization – a Pilot study for the Program Project Initiative Grant to get preliminary data for a planned P50 Center grant submission to NIH to establish a wound healing Center of Excellence at OSU. A $400,000 seed grant was provided by the Davis Heart and Lung Research Institute to support the development of this proposal. Dr. Gordillo is the clinical core director and wrote the human subjects protocol and supervised development of
data management tools to support translational needs of 4 basic science investigators.

- Gordillo, Gayle M. (Co-investigator) Mechanisms Underlying Impaired Diabetic Wound Healing (R01). NIH/NIDDK, $1,200,00. Is a translational protocol looking at the effects of diabetes on macrophage function in wounds. Macrophages are collected from the wound non-invasively using VAC Sponges in a protocol developed jointly by Gayle Gordillo and Sashwati Roy.


- Gordillo, Gayle M. Isolation of cells and proteins from wound fluid in patients treated with VAC dressings (2006-present) – protocol used to obtain preliminary data for the NIH/NIDDK R01 award and currently being used to acquire preliminary data for planned P50 center grant.


- Miller, Michael and Sutradhar, Alok. Co-Principal Investigator, EAGER: Topological Optimization Methods for Designing Patient-Specific Large Craniofacial Segmental Bone Replacements, NSF CMMI Award # 1032884. $158,407

4. Three Accomplishments in Research

- Ergun Kocak, M.D. served as a grant reviewer on a national committee of the PSF for the 2011 funding cycle.

- Brian Janz, M.D. Awarded: DePuy Academic Enrichment Grant
  Project: A biomechanical study of metacarpal fracture fixation, 2011, $10,000

- Gayle Gordillo, M.D. Awarded: Mechanisms Regulating Hemangioendothelioma: A Plastic Surgeon’s Challenge (R01), NIH/NIGMS, $1,900,000 (principal investigator)

- Gayle Gordillo, M.D. Awarded: Comparison of diabetic foot ulcer limb salvage rates in patients receiving specialized wound care versus standard care at OSUMC (UL1) NIH/NCRR $37,494. (principal investigator)

- Ergun Kocak, M.D. Awarded: OSU Center for Clinical and Translational Science (CCTS) and Richard P. and Marie R. Bremer Medical Research Fund (Davis/Bremer Research Fund) for “Gene Therapy of Plastic Surgical Flap Tissues in a Mouse Xenograft Model to Treat Human Colorectal Tumor Implants”, June 2010, $40,000
5. List of Clinical Programs

- **Hemangioma and Vascular Malformation Clinic** – established and directed by Dr. Gayle Gordillo. Provides comprehensive care to patients with hemangiomas and vascular malformations. This clinic is staffed by 4 physician providers which includes a dermatologist and 3 plastic surgeons. The volume of patients seen has also doubled in size and exceeds 400+ patient visits per year.

- **Inpatient Wound Consult Service** – established and directed by Dr. Gayle Gordillo and staffed by Drs. Melissa Kinder and Brian Porshinsky. This service provides expertise in the evaluation and management of inpatients with pressure ulcers, venous stasis ulcers or diabetic foot ulcers. This service sees about 200 patients per year.

- **The Craniofacial Clinic at Nationwide Children’s Hospital** is serviced by Dr. Gregory Pearson and Dr. Robert Ruberg.

- **Comprehensive Wound Center (CWC)** – Recognized by OSU Board of Trustees in 10/04. This center was developed by Dr. Gordillo and Dr. Chandan Sen to: 1) accelerate the translation of basic science findings to clinical application. 2) encourage novel partnerships and multidisciplinary approaches to investigate complex problems related to wound repair and regeneration, and 3) use data to develop clinical best practices and become leaders in the field of tissue repair and wound management. The objectives and activities of the CWC adhere to NIH Roadmap guidelines. The CWC was used as a centerpiece in the recently funded OSU proposal for a Clinical and Translational Science award from NIH ($35,000,000).

6. List of Three Accomplishments in Clinical Care

- OSU Department of Plastic Surgery is now a full-service, comprehensive Plastic Surgery Program of thirteen physicians making it one of the largest Plastics Surgery Programs in the nation.

- Plastic Surgery joined forces with The Department of Orthopedics to create the OSU Hand Center Microsurgery Training Center.

- Dr. Michael Miller and Dr. Richard Kirschner were named to Best Doctors in America 2010-2011.

- Dr. Pankaj Tiwari performed the first robotic procedures in Plastic Surgery at Ohio State.

7. Educational Programs

- Plastic Surgery Residency Training Program is now in the 3rd year of our integrated 6-year program. In 2010-2011 the department continued with the new program format.
This is an exciting process for our program and is adding great deal of knowledge and experience for our residents. All our residents in the program passed their written exams. It is also consistent with changes in training which are mandated by the ACGME starting in 2010.

- The OSU Department of Plastic Surgery hosted the Second Annual Ruberg Symposium in September 2010. This year’s symposium honored Dr. Robert Ruberg as well as focused on the emerging healthcare environment, relevant economic and business concepts pertaining to plastic surgery, and improving outcomes in plastic surgery of breast and aging faces. A highlight of this year’s program was a live surgery, simulcast directly to the conference and featuring live Q & A between program participants and the surgeons.

8. List of Three Accomplishments in Education

- OSU Plastic Surgery Residency Program was fully accredited with no citations at the last ACGME site visit.
- Drs. Anne Taylor, James Boehmler and Michael Miller served as examiners for the American Board of Plastic Surgery examinations in 2010
- OSU Plastic Surgery added four fellowships for the upcoming year: an additional microsurgery fellowship, a pediatric fellowship, an aesthetic fellowship and a hand fellowship in collaboration with the multidisciplinary Hand Center
- Dr. Gayle Gordillo spoke on “Pressure Ulcers Evaluation & Management” OSU MedNet Live CME Webcast, Apr. 2010

9. List of Community Outreach Programs

- Dr. Pankaj Tiwari was a visiting Clinical Professor at Ganga Hospital in Coimbatore, India, April 2011
- James Boehmler led a Breast Reconstruction Seminar at The Ohio State University that was featured in Health1 Magazine in 2010
- Cindy Koutz, PA spoke at a Breast Cancer Survivor meeting in Findlay, OH in 2011

10. List of Three Accomplishments in Community Outreach

- Gayle Gordillo, M.D. - Women of Color Foundation – Annual Conference Panelist “The Impact of Mentoring” May 2010
- Gayle Gordillo, M.D. - OSU College of Medicine MD Camp – “The Realities of
Surviving as a Minority in your Profession.” June 2010

- Michael Miller, M.D. – Severed as an Adjunct Merit Reviewer, Merit Review Subcommittee for Surgery, Department of Veterans Affairs, 2010

11. Faculty

Michael J. Miller, M.D., Professor of Surgery
Department Chair
B.S.: University of Massachusetts, Boston, MA, 1978
M.D.: University of Massachusetts, Boston, MA, 1982
Specialty Training: Berkshire Medical Center, Pittsfield, MA
The Ohio State University, Columbus, OH
Tulane University, New Orleans, LA
Appointment: 2007
Specialty Interests: reconstructive surgery for patients deformed by cancer
Research Interests: tissue repair and regeneration and applications of advanced technology in clinical surgery
Previous Appointment: Deputy Chairman of Plastic Surgery, MD Anderson Cancer Center at the University of Houston, Houston, Texas

Robert L. Ruberg, M.D., Professor of Surgery
B.A.: Haverford College, 1963;
Specialty Training: Hospital of the University of Pennsylvania
Appointment: 1975
Specialty Interests: breast surgery; children’s plastic surgery
Research Interests: plastic surgery education, curriculum development

Gayle M. Gordillo, M.D., Associate Professor of Surgery
B.A.: Stanford University, Palo Alto, CA, 1984
M.D.: The Ohio State University, Columbus, OH, 1990
Specialty Training: Plastic Surgery Residency, Ohio State University, Columbus, OH, 1999
Appointment: 1999
Research Interests: Angiogenesis

Adrian Baylis, PhD., CCC-SLP, Assistant Professor of Plastic Surgery
B.S.: Marquette University, Milwaukee, WI 2001
PhD: University of Minnesota, Minneapolis, MIN 2007
Specialty Training: Speech, hearing, language sciences
Appointment: 2011
Specialty Interests: Resonance disorders, 22q11 deletion syndrome

James H. Boehmler, M.D., Assistant Professor of Clinical Surgery
B.A.: University of Chicago, Chicago, IL
Brian Janz, M.D., Assistant Professor of Clinical Surgery
M.D.: Medical College of Ohio, Toledo, OH, 2001
Specialty Training: General Surgery at Harvard Medical School at Beth Israel Deaconess Medical Center, Boston, MA
Plastic/Reconstructive Surgery, Baylor College of Medicine, Houston, TX, 2008
Fellowship in Hand/Microsurgery at Curtis National Hand Center, Baltimore, MD
Appointment: September, 2009
Specialty Interests: Oncologic Reconstructive Surgery

Melissa Kinder, M.D., Assistant Professor of Surgery
B.S.: Butler University, Indianapolis, IN, 2002
M.D.: Southern Illinois University School of Medicine Springfield, IL, 2006
Specialty Training: Plastic Surgery Resident, The Ohio State University, 2011
Appointment: 2011
Specialty Interests: Hand Surgery

Richard Kirschner, M.D., Professor of Clinical Surgery
B.A.: University of Miami, FL, 1985
M.D.: University of Miami School of Medicine, FL, 1989
Appointment: March, 2010
Specialty Interests: Craniofacial Disorders and Cleft Lip
Previous Appointment: Director of Cleft Palate Program and Director of Research for Plastic Surgery, The University of Pennsylvania School of Medicine and The Children’s Hospital of Philadelphia, Philadelphia, PA

Ergun Kocak, M.D., Assistant Professor of Surgery
B.A.: University of Michigan, 1996
M.D.: The Ohio State University College of Medicine, Columbus, OH, 2000
Specialty Training: Plastic Surgery, The Ohio State University, Columbus, OH, 2008
Fellowship in Reconstructive Microsurgery, MD Anderson Cancer Center, 2009
Appointment: August, 2009
Specialty Interests: Oncologic Reconstructive Surgery

Gregory D. Pearson, M.D., Assistant Professor
B.S.: University of Illinois, Chicago, IL, 1994
M.D.: The Ohio State University, Columbus, OH, 1998
Specialty Training: Plastic Surgery, The Ohio State University, Columbus, OH, 2004
Fellowship in Craniofacial Surgery, IUPUI, Indianapolis, IN, 2005
Appointment: July 2005
Specialty Interests: Craniofacial Disorders

**Brian Porshinsky, M.D., Assistant Professor of Surgery**
B.A.: The Ohio State University, OH, 1991
M.D.: Medical College of Ohio, Toledo, OH, 1999
Specialty Training: Plastic/Reconstructive Surgery, University of Illinois at Chicago, IL, 2007
  Fellowship in Burn Surgery/Critical Care, New York Presbyterian Hospital, 2008
  Fellowship in Surgical Critical Care, The Ohio State University, Columbus, OH, 2009
Appointment: July, 2009
Specialty Interests: Oncologic Reconstructive Surgery

**Michael Ruff, M.D., Clinical Associate Professor of Orthopedics**
B.A.: The Ohio State University, OH, 1974
M.D.: The Ohio State University, OH, 1979
Specialty Training: Orthopedic Surgery, Ohio State University, Columbus, Ohio, 1984
  Fellowship in Kristine Kleinert Fellow in Hand and Microsurgery, University of Louisville, 1985
Appointment: June, 2009
Specialty Interests: Hand Surgery
Previous Appointment: Founding Partner Hand and Microsurgery Associates, Columbus, Ohio

**Maya Spaeth, M.D., Assistant Professor of Plastic Surgery**
B.Sc: University of British Columbia, 1990–92, 1993–95
M.D.: University of Calgary, 1997 – 2000
Specialty Training: Plastic Surgery at Ohio State University Hospital, July 2002-June 2007
  Hand fellowship at Baylor College of Medicine, July 1st 2007- June 30th, 2008
Appointment: May, 2010
Specialty Interests: Microsurgery, Pediatric Hand Surgery

**Alok Sutradhar, PhD.,**
B.S.: Bangladesh University of Engineering and Technology, Bangladesh, 1995
M.S.: Bangladesh University of Engineering and Technology, Bangladesh, 1999
PhD: University of Illinois at Urbana-Champaign, 2005
Specialty Training: Postdoctoral Research Fellow: MD Anderson Cancer Center, 2006
Postdoctoral Researcher: Ohio State University, 2007-2010
Appointment: 2011
Specialty Interests: Patient-specific modeling for bio-mechanical problems, topology optimization for designing craniofacial bone replacements, breast biomechanics
Research Interests: Modeling of oxygen transport and blood flow in reconstructive surgery, breast biomechanics, morphometry and aesthetics, cancer modeling
Anne Taylor, M.D., Associate Professor of Clinical Surgery  
B.S.: Dennison University, Granville, OH, 1986  
M.D.: The Ohio State University College of Medicine, Columbus, OH, 1990  
Specialty Training: Plastic Surgery, The Ohio State University, Columbus, OH, 1996  
Appointment: May, 2006  
Specialty Interests: Aesthetic Surgery  
Previous Appointment: Founder, Anne Taylor Plastic Surgery Inc., Columbus, OH

Pankaj Tiwari, M.D., Assistant Professor of Clinical Surgery  
B.A.: Harvard University, Boston, MA, 1995  
M.D.: New York University School of Medicine, 2000  
Specialty Training: Plastic Surgery, Baylor College of Medicine, Houston, TX, 2006  
Fellowship in Reconstructive Microsurgery, MD Anderson Cancer Center, Houston, TX, 2007  
Appointment: August, 2007  
Specialty Interests: Aesthetics and Reconstructive Microsurgery

12. Faculty Departures

William A. Wallace, M.D.

13. Emeritus Faculty

Ronald B. Berggren, M.D., Professor Emeritus of Surgery  
B.A.: Johns Hopkins University, 1953;  
M.D.: University of Pennsylvania School of Medicine, 1957.

14. Clinical Faculty

Haroon A. Aziz, M.D., Clinical Assistant Professor of Surgery  
F.Sc.: Forman Christian College, West Pakistan, 1965  
M.B.B.S.: King Edward Medical College, West Pakistan, 1970.

Arthur G. Bing, M.D., Clinical Assistant Professor of Surgery  
M.D.: Pajaran University Bandung, Indonesia, 1965

James W. Ferraro, M.D., Clinical Associate Professor of Surgery  
B.S.: Western Reserve, 1961  
D.D.S.: Western Reserve, 1963  
M.D.: The Ohio State University, 1967

Greg Holland, M.D., Clinical Instructor of Surgery  
B.S.: Ohio University, 1983  
M.D.: The Ohio State University, 1987

Robert S. Houser, D.O., Clinical Instructor Surgery of Surgery
B.S.   The Ohio State University, 1993
D.O.   Ohio University, 1997

Jason Lichten, M.D., Clinical Assistant Professor of Surgery
B.A.:  Brandeis University, 1993
B.S.:  University of Pennsylvania, 1994
M.D.:  Jefferson Medical College, 1998

James D. McMahan, M.D., Clinical Instructor of Surgery
B.S.:  University of Oregon, 1979
M.D.:  Oregon Health Sciences University, 1983

Gregory E. Morrison, M.D., Clinical Assistant Professor of Surgery
B.A.:  Princeton University, 1976
M.D.:  Duke University Medical School, 1979

David S. Postlewaite, M.D., Clinical Assistant Professor of Surgery
B.A.:  Williams College, 1963
M.D.:  The Ohio State University, 1967

Bivik R. Shah, M.D., Clinical Assistant Professor of Surgery
B.S.:  University of Michigan, 1989
M.D.:  The Ohio State University, 1994

Timothy A. Treece, M.D., Clinical Instructor of Surgery
B.S.:  The Ohio State University, 1979
M.D.:  The Ohio State University, 1982

Susan D. Vasko, M.D., Clinical Instructor of Surgery
B.S.:  The Ohio State University, 1979
M.S.:  The Ohio State University, 1980
M.D.:  The Ohio State University, 1986

Rafael E. Villalobos, D.O., Clinical Assistant Professor of Surgery
B.S.:  University of Maryland, 1985
M.Sc.:  University of Maryland, 1987
D.O.:  West Virginia School of Osteopathic Medicine, 1991

John K. Wakelin, M.D., Clinical Instructor of Surgery
B.A.:  Xavier University, Cincinnati, OH  1996
M.D.:  The Ohio State University, Columbus, OH  2000

15. Resident Staff

Tyler Angelos, M.D.
PGY-3
Joseph Brown, M.D.
PGY-3

Michelle Coriddi, M.D.
PGY-4

Justin Harper, M.D.
PGY-2

Russ Hendrick, M.D.
PGY-4

John Hulsen, M.D.
PGY-2

Ibrahim Khansa, M.D.
PGY-4

Allison McAnneny, M.D.
PGY-5

Meghan Nadeau, M.D.
PGY-4

Ted Nagel, M.D.
PGY-4

Maakan Taghizadeh, M.D.
PGY-6

Jonathan Yang, M.D.
PGY-5

Myla Bennett, M.D.
PGY-5

Melissa Kinder, M.D.
PGY-5

Sumita Saha, M.D.
PGY-5

Microsurgery Fellows
Kongkrit Chaiyasate, M.D.
Fred Durden, M.D.
PGY-6
Matthew Talarczyk, M.D.
PGY-14

16. Peer Reviewed Articles


Miller, SH; Gosain, A; Gurtner, GC; Gutowski, KA; Ruberg RL; Salisbury, RE; Smith, DJ Jr., ed. 2011. The Yearbook of Plastic and Aesthetic Surgery. Philadelphia, PA, USA: Elsevier Mosby.


17. Abstracts


18. Books


19. Book Chapters


20. Visiting Professorships

Dr. Pankaj Tiwari was a visiting Clinical Professor at Ganga Hospital in Coimbatore, India, April 2011

Dr. Michael Miller was a visiting professor for the Duke Flap Course, 2010

Dr. Michael Miller served on the faculty for the Mayo Symposium in Reconstructive Surgery, Mayo Clinic, Rochester, MN June 23-27, 2010

21. International Presentations

None

22. National Presentations

Gayle M. Gordillo, M.D.
“Pressure Ulcers Evaluation & Management”
OSU MedNet Live CME Webcast
Apr. 2010

Gayle M. Gordillo, M.D.
“Topical Oxygen Therapy.”
Society for Advanced Wound Care
Orlando, FL
Apr. 2010

Gayle M. Gordillo, M.D.
“Topical Oxygen Therapy.”
University of Illinois at Chicago Center for Wound Healing & Tissue Regeneration
Chicago, IL
May 2010

Gregory D. Pearson, M.D.
“Panfacial Fractures AO North America, Principles of Operative Treatment of Craniomaxillofacial Trauma and Reconstruction”
Pittsburgh, PA
May 2010

Michael J. Miller, M.D.
“Program Development in Oncologic Reconstructive Surgery”,
“Salvage Reconstruction Following Flap Failure”
“Optimizing Aesthetic Outcomes in Breast Reconstruction”
“Computer Assisted Design in Planning Midface Reconstruction”
“Total Esophageal Reconstruction with Supercharged Pedicled Jejunal Flaps”
Symposium in Reconstructive Surgery, Mayo Clinic
Rochester, Minnesota
June, 2010

Anne Taylor, M.D.
ASAPS Annual Meeting 2010: Instructional Course Presenter:
“Social Media- Can you teach an old dog to Tweet”
“Breast Asymmetry Strategies”

Anne Taylor, M.D.
ASPS 2010- “Health Care Reform: the Long and Winding Road”

23. Miscellaneous Presentations

Ergun Kocak, M.D.
2010 Department of Surgery 15th Annual Research Day Conference
Columbus, OH
May 2010

Michael J. Miller, M.D.
Lecturer, “Living Fully after Cancer: The Role of Breast Reconstruction”
Stefanie’s Champions, Breast Cancer Research Symposium
The Ohio State University Comprehensive Cancer Center, Arthur G. James Cancer Hospital and Solove Research Institute  
Columbus, OH  
April 2010

Michael J. Miller, M.D.  
Lecturer, “Breast Survivorship Symposium”  
The Ohio State University Comprehensive Cancer Center, Arthur G. James Cancer Hospital & Solove Research Institute  
Columbus, OH  
May 2010

Gayle Gordillo, M.D.  

Gayle Gordillo, M.D.  
“Clinical Implications of Basic Science of Wound Healing in the Management of Diabetic Foot Ulcers”. HEAL Ohio, Rootstown, OH, October 21, 2010

Brian Porshinsky, M.D.  
Burn Care and EMS, Berlin Twp Fire Department, October 27, 2010

Brian Porshinsky, M.D.  
Course Director and Instructor, Advanced Burn Life Support, Ohio State Medical Center, June 24, 2010

Anne Taylor, M.D.  
“Health Care Reform” point-counterpoint”  
2010 Ruberg Symposium Course Director and Instructor  
Columbus, Ohio

24. Distinguished Visitors

Malcolm Lesavoy, M.D.  
PSEF Visiting Professor  
“MOHS Facial Reconstruction”  
“Physician Health in Plastic Surgery”  
February 10 & 11, 2011

Michael Bentz, M.D.  
Los Angeles, California  
“Total Nasal Reconstruction “  
“Scalp and Skull Reconstruction
“Case Vignettes”
March 10 & 11, 2011

Milton Armstrong, M.D.
Keynote Speaker, 2010 Ruberg Symposium
September 9 & 10, 2010