

MICHAEL ROBERT ZENN, M.D., M.B.A., F.A.C.S.

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Current Position

President, Zenn Plastic Surgery, Raleigh, NC, 2017 to present.
Chief Medical Officer, Novadaq Corporation. 2016 to 2017
Professor of Surgery with Tenure, Division of Plastic and Reconstructive Surgery
Duke University Medical Center, 2013 to 2016
Vice Chief, Division of Plastic and Reconstructive Surgery
Duke University Medical Center, 2009 to 2016
Program Director of Plastic Surgery Independent Residency, DUMC 2003 to 2015
Program Director of Plastic Surgery Integrated Residency, DUMC 2012 to 2015
Director, Human Tissue Laboratory, DUMC 2009 to 2016
Director, Gross Anatomy Laboratory, Duke School of Medicine, 2014 to 2016
Director, Duke Anatomic Gifts Program, 2014 to 2016
Director, Educational Projects, Duke Department of Surgery, 2014 to 2016

Past Positions

Associate Professor, Division of Plastic and Reconstructive Surgery
Duke University Medical Center, 2005 to 2013 (tenured 2011)
Assistant Professor, Division of Plastic and Reconstructive Surgery
Duke University Medical Center, 2000 to 2005
Assistant Professor, Division of Plastic and Reconstructive Surgery
University of North Carolina at Chapel Hill, 1995 to 2000

Education

Fuqua School of Business, Duke University, Durham, NC **M.B.A.** 2013
(with Health Sector Management certificate)
Cornell University Medical College, New York, NY **M.D.** 1988
University of Pennsylvania, Philadelphia, PA **B.A.** 1984
Natural Science Major, *summa cum laude*

Postgraduate Training

Memorial Sloan-Kettering Cancer Center, New York, NY
Microsurgery Fellow, July 1995 - December 1995
Massachusetts General Hospital, Boston, MA
Plastic Surgery Resident, 1993-1995
The New York Hospital-Cornell Medical Center, New York, NY
General Surgery Resident, 1988-1992
Chief Surgical Resident, 1992-1993

Awards and Honors

American Society of Plastic Surgeons Visiting Professor, 2015-2016

Pathways to Leadership Program. American Society of Plastic Surgeons leadership training program, January 2007 – October 2007.

The North Carolina Medical Society Tobacco Control Award, Winner Physician Category, 1999

Teaching Scholars Program. University of North Carolina School of Medicine, 1997-1999.

Cornell University Medical College

Alpha Omega Alpha, 1987

A.M.A. Scholarship in Clinical Nutrition, Fall 1988

Joseph Collins Foundation Scholarship, 1984-1988

George N. Papanicolaou Fellow in Clinical Anatomy, Fall 1988

University of Pennsylvania

Phi Beta Kappa, 1984

Dean's List, 1980-1984

Certification

American Board of Plastic Surgery, September 1998 (recertified 2009)

American Board of Surgery, May 1994

Professional Society Memberships

American Society of Plastic Surgeons

American Society of Aesthetic Plastic Surgeons

American Association of Plastic Surgeons

American Society for Reconstructive Microsurgery

Association of Academic Chairmen in Plastic Surgery

World Society for Reconstructive Microsurgery

Plastic Surgery Research Council

American College of Surgeons, Fellow

North Carolina Society of Plastic and Reconstructive Surgeons,

Vice-President 2001-2002, President 2002-2003

Southeastern Society of Plastic and Reconstructive Surgeons

North Carolina Medical Society

Nathan A. Womack Surgical Society

American Medical Association

Publications

- "Indications and Controversies for Implant-Based Reconstruction Utilizing Biological Meshes."* Zenn, MR. *Clinics in Plast Surg* 45(1): 55-63, 2018.
- "Optimizing outcomes of postmastectomy breast reconstruction with acellular dermal matrix: a review of recent clinical data."* Zenn MR, Venturi M, Pittman T, Spear S, Gurtner G, Robb G, Mesbahi A, and Dayan J. *ePlasty*. June, 2017
- "The role of intraoperative perfusion assessment: What is the current state and how can I use it in my practice?"* Phillips BT, Zenn MR, et al. *Plast Recon Surg* 137(2): 731-741, 2016
- "Early postoperative complications following gracilis free muscle transfer for facial reanimation: a systematic review and pooled data analysis."* Garcia RM, Gosain AK, Zenn MR, Marcus JM. *J Reconstr Microsurg* 31: 558-564, 2015
- "Contemporary solutions for the treatment of facial nerve paralysis."* Garcia RM, Zenn MR, Marcus JM, et al. *Plast Recon Surg* 136(1): 189-196, 2015
- "Staged Immediate Breast Reconstruction (SIBR)."* Zenn MR. *Plast Recon Surg* 135(4): 976-979, 2015
- "Bipaddle radial forearm flap for head and neck reconstruction."* Zhang YX, Lazzeri D, Zhou X, Li Z, Nicoli F, Zenn MR, et al. *J Craniofac Surg* 26(2) 350-3, 2015
- "A National Snapshot of Satisfaction with Breast Cancer Procedures."* Atisha D, Zenn MR, et al. *Ann Surg Oncol* 22(2): 361-9, 2015
- "Multidisciplinary approach to treatment of radiation-induced chest wall sarcoma."* Kara HV, Gandolfi BM, William JB, D'Amico TA, Zenn MR. *Gen Thorac Cardiovasc Surg Epub* Feb, 2015.
- "A detailed evaluation of anatomic variations of the profunda artery perforator (PAP) flap using computed tomography angiograms."* DeLong M, Hughes D, Zenn MR et al. *Plast Recon Surg* 134(2): 186-192e, 2014
- "Correlation between abdominal perforator vessels identified with preoperative computed tomography angiography and intraoperative fluorescent angiography in the microsurgical breast reconstruction patient."* Pestana IA, Zenn MR. *Ann Plast Surg* 72:144-9, 2014
- "Evolving trends in autologous breast reconstruction: Is the Deep Inferior Epigastric Artery Perforator flap taking over?"* Pien I, Caccavale S, Cheung MC, Butala P, Hughes DB, Ligh C, Zenn MR, et al. *Ann Plast Surg Epub* Aug 2014
- "Factors influencing fellowship selection, career trajectory, and academic productivity among plastic surgeons."* DeLong MR, Hughes DB, Tandon VJ, Choi BD, Zenn MR. *Plast Reconstr Surg* 133(3): 730-6, 2014
- "Prefabricated neck expanded skin flap with the superficial temporal vessels for facial resurfacing."* Lazzeri D, Su W, Qian Y, Mesmer C, Zenn M, et. al. *J Reconstr Microsurg* (4): 255-62, 2013
- "Intraoperative laser angiography using the SPY system: review of the literature and recommendations for use."* Gurtner CG, Jones GE, Neligan PC, Newman MI, Phillips BT, Sacks JM, Zenn MR. *Annals of Surgical Innovation Research* 7(1): 1-15, 2013
- "Autologous blood use for free flap breast reconstruction: a comparative evaluation of a preoperative blood donation program."* Louer CR, Chang JB, Hollenbeck ST, Zenn MR. *Annals of Plastic Surgery* 70(2): 158-161, 2013

Publications(cont.)

- "A novel approach to the treatment of lower extremity lymphedema by transferring a vascularized submental lymph node to the ankle." Cheng MH, Saint-Cyr M, Zenn MR. Gynecologic Oncology 126: 93-98, 2012
- "Assessment of zonal perfusion using intraoperative angiography during abdominal flap breast reconstruction." Losken A, Zenn M.R., et al. Plastic and Reconstructive Surgery 129: 581e, 2012
- "Correction of lower pole insufficiency in breast implant reconstruction." Zenn M.R. Plastic and Reconstructive Surgery 129: 618e, 2012
- "Fluorescent Angiography." Zenn M.R. Clinics of Plastic Surgery 38(2): 293-300, 2011.
- "The application of indocyanine green angiography in plastic surgery." Liu DZ, Mathes DW, Zenn MR, Neligan PC. Journal of Reconstructive Microsurgery 27: 355-364, 2011.
- "The Extended Abdominal Wall Flap for Transplantation." Hollenbeck S.T., Zenn M.R., Erdmann D., et al. Transplantation Proceedings 43(5): 1701-1705, 2011
- "Perineal and lower extremity reconstruction." Hollenbeck S.T., Zenn M.R., Erdmann D., et al. Plastic and Reconstructive Surgery 128(5): 551-563e, 2011.
- "A technique to perfuse cadavers that extends the useful life of fresh tissues: The Duke experience." Messmer C., Zenn M.R., Erdmann D., et al. Anatomical Sciences Education 3: 191-194, 2010.
- "Longitudinal outcomes and application of the subunit principle to 165 foot and ankle free tissue transfers." Hollenbeck S. T., Woo S., Zenn M. R. Plastic and Reconstructive Surgery 125(3): 924-934, 2010.
- "Pyoderma Gangrenosum following free TRAM breast reconstruction: a case report." Schoemann M.B. , Zenn M.R. Annals of Plastic Surgery 64(2): 151-154, 2010.
- "Unilateral nipple reconstruction with nipple sharing- time for a second look." Zenn M.R., Garofalo J. Plastic and Reconstructive Surgery 123(6): 1648-53, 2009.
- "Soft tissue defects and exposed hardware: a review of indications for soft-tissue reconstruction and hardware preservation." Viol A, Zenn M.R., et al. Plastic and Reconstructive Surgery 123(4): 1256-1263, 2009.
- "Early experience with fluorescent angiography in free tissue transfer reconstruction." Pestana I, Levin L.S., Zenn M.R., et al. Plastic and Reconstructive Surgery 123(4): 1239-1244, 2009.
- "Strategy for reoperative free flaps after failure of a first flap." Baumeister S, Zenn M.R., et al. Plastic and Reconstructive Surgery 122(3): 962-71, 2008.
- "Extended applications of vascularized preauricular and helical rim flaps in reconstruction of nasal defects." Zhang Y, Zenn M.R., et al. Plastic and Reconstructive Surgery. 121(5): 1589-1597, 2008.
- "Efficacy of ethyl nitrite in reversing surgical vasospasm." Baccarani A., Zenn M.R., et al. Journal of Reconstructive Microsurgery 23: 257-262. 2007
- "Free flap reconstruction of the scalp and calvaria of major neurosurgical resections in cancer patients: lessons learned closing large, difficult wounds of the dura and skull." Wang H.T., Erdmann D, Olbrich K.C., Friedman A.C. Levin L.S., and Zenn M.R. Plastic and Reconstructive Surgery. 119(3): 865-872, 2007
- "Inferior gluteal flap harvest with sparing of the posterior femoral cutaneous nerve." Zenn M.R., Millard J.A. Journal of Reconstructive Microsurgery 22: 509-512, 2006.
- "Insetting of the superficial inferior epigastric artery (SIEA) flap in breast reconstruction." Zenn M.R. Plastic and Reconstructive Surgery. 117(5): 1407-1411, 2006.

Publications(cont.)

- "Restoration of fecal continence after functional gluteoplasty: longterm results, technical refinements, and donor site morbidity." Hultman S.C., Zenn M.R., Baker C., et al. Annals of Plastic Surgery 56(1): 65-70, 2006.
- "Breast necrosis following use of the internal mammary artery for Coronary Artery Bypass." Gonyon D.L., Zenn M.R., Milano C. and Levin L.S. Annals of Plastic Surgery 54: 88-91, 2005
- "Closure techniques for large pelvic wounds." Zenn M.R. Seminars in Colon and Rectal Surgery. Vol. 15(1) pp. 59-67, 2004.
- "A randomized placebo controlled comparison of electroacupoint stimulation, ondansetron vs. placebo for prevention of postoperative nausea and vomiting." Gan T.J., Jiao K.R., Zenn M.R., et al. Anesthesia and Analgesia. 99: 1070-1075, 2004
- "Salvage of the failed breast reconstruction." Zenn, M.R. Breast Disease. Vol 16, 157-161, 2002
- "Control of Breast Contour by the Use of Z-plasty in the Irradiated Breast Reconstruction." Zenn, M.R. Plastic and Reconstructive Surgery 112(1) 210-214, 2003
- "A simple approach to the radiated scalp wound using Integra skin substitute." Gonyon D, Zenn, M.R. Annals of Plastic Surgery 50(3) 315-320, 2003
- "Extended TRAM flap (eTRAM): a feasibility study on fresh human cadavers." Heitmann C, Zenn, M.R. Annals of Plastic Surgery 50(3) 256-262, 2003
- "Functional unilateral gluteoplasty for fecal incontinence: technical refinements, donor site morbidity, and longterm outcome." Zenn, M.R. Plastic Surgery Forum 26: 247-248, 2003.
- "Introital Stenosis Requiring Pelvic Resection and Soft Tissue Reconstruction: a Case Report." Zenn, M.R., Fowler, W.C., Jr., Bos, G.D. Obstetrics & Gynecology 98(5): 972-974, 2001.
- "Treatment of Fibrous Dysplasia of the Mandible with Radical Excision and Immediate Reconstruction: a Case Report." Zenn, M.R. and Zuniga, J.R. Journal of Craniofacial Surgery 12(3): 259-263, 2001
- "Principles of Microsurgery." Zuniga, J., Zenn, M.R. Oral and Maxillofacial Clinics of North America 13(2): 331-342, May 2001.
- "Microvascular Reconstruction of the Lower Extremity." Zenn, M.R., Levin, L.S. Seminars in Surgical Oncology 19(3): 272-281, 2000
- "Replantation of the Penis: A Patient Report" Zenn, M.R., Carson, C.C., and Patel, M.P. Annals of Plastic Surgery 44(2): 214-220, 2000
- "Helical Advancement with Posterior Auricular Pull-through Flap: a technique for reconstruction of combined helical and scaphal defects." Zenn, M.R. Aesthetic Plastic Surgery 23: 131-133, 1999.
- "Severe Granulomatous Reaction to Injected Liquid Silicone Mimicking Inflammatory Cancer of the Breast: a case report." Zenn, M.R. and Fakhry, S.M. Contemporary Surgery 54(2): 105-108, 1999.
- "The Role of the Radial Forearm Free Flap in Mandibular Reconstruction." Zenn, M.R., Hidalgo, D.A., Cordeiro, P.C., Shah, J.P., Strong, E.W., and Kraus, D.H. Plastic and Reconstructive Surgery 99(4): 1012-1017, April 1997.
- "Subciliary Malar Augmentation and Cheek Advancement: A Six Year Study in 22 Patients Undergoing Blepharoplasty." May, J.W., Jr. and Zenn, M.R. Plastic and Reconstructive Surgery 96(6): 1553-1559, 1995.
- "Aesthetic Reconstruction of Tikhoff-Linberg Shoulder Defects with a Dual Pedicle TRAM Free Flap." Hidalgo, D., Zenn, M., and Marcove, R. Plastic and Reconstructive Surgery 91(7): 1340 - 1343, 1993.

Publications(cont.)

"*Variations in Digital Nerve Anatomy.*" Zenn, M., Hoffman, L., Latrenta, G. and Hotchkiss, R. The Journal of Hand Surgery. Vol. 17, No. 6, pp. 1033-1036, November, 1992.

"*Preparation of Small Caliber Intestine for Anastomosis with the E.E.A. Stapler.*" Fong, Y., Zenn, M., and Barie, P. Surgery, Gynecology, and Obstetrics, Vol. 174, pp. 525-526.

"*Hypertrophic Pyloric Stenosis in the Newborn: A Case Report.*" Zenn, MR and Redo, SF. The Journal of Pediatric Surgery, 28(12): 1577-1578, December, 1993

Books Authored

RECONSTRUCTIVE SURGERY: Anatomy, Technique, and Clinical Applications. Zenn MR, Jones G. Quality Medical Publishing, St. Louis, MO. 2012. (ISBN 978-1-57626-324-2). 2-volume, 1,992 pages, 4000 illustrations, 4 DVDs demonstrating surgical techniques.

Book Chapters

"Supraclavicular Artery Flap." Zenn MR. in FLAPS AND RECONSTRUCTIVE SURGERY, (Second Edition), Chapter 33.1. Edited by Fu Chan Wei, M.D. and Samir Mardini, M.D. Elsevier, Philadelphia, 2017.

"Indocyanine Green/SPY Imaging in Perforator Breast Reconstruction." Zenn MR. in PERFORATOR FLAPS FOR BREAST RECONSTRUCTION. Edited by Joshua Levine, M.D. et al. Thieme Medical Publishers, New York, 2016

"Fluorescent Angiography." Zenn MR. in *Toolbox for Autologous Breast Reconstruction-CLINICS OF PLASTIC SURGERY*. Edited by Maurice Nahabedian. Elsevier, Philadelphia. April, 2011

"Laser Angiography." Zenn MR. (eMedicine Journal, 2011)

"Autologous Reconstruction: Gluteal Flap Breast Reconstruction." Zenn MR in BREAST SURGERY. Edited by Kirby I. Bland, M.D. and V. Suzanne Klimberg, M.D. Lippincott Williams & Wilkins, Philadelphia, 2011.

"Trunk Reconstruction." Walsh M, Zenn MR, Levin LS in PLASTIC AND RECONSTRUCTIVE SURGERY. Edited by Maria Siemionow, M.D. Springer (in print)

"Breast Reconstructive Surgery." Tahernia A, Erdmann D, Zenn MR in MANAGEMENT OF BREAST DISEASES. Edited by Ismail Jatoti, M.D. Springer, Verlag Berlin Heidelberg, 2010.

"Gynecomastia." Zenn MR. in COSMETIC AND RECONSTRUCTIVE BREAST SURGERY. Edited by Maurice Nahabedian, M.D. et al. Saunders Elsevier, Philadelphia 2009.

Book Chapters(cont.)

“Skull Base Reconstruction.” Zenn MR. in PLASTIC SURGERY: INDICATIONS AND PRACTICE. Edited by Bahman Guyuron, M.D. et al. Saunders Elsevier, Philadelphia 2009.

“Breast Reconstruction.” Zenn, MR in FIRST EXPOSURE – GENERAL SURGERY. Edited by Danny O. Jacobs, M.D., M.P.H. McGraw-Hill, New York. 2006

“Multiple Digit Replantation.” Zenn, M.R. and Levin, L.S. in THE MUTILATED HAND. edited by Norman and Jeffrey Weinzweig, M.D. Elsevier Mosby, Philadelphia, 2005.

“Breast Reconstruction: the Free TRAM Flap,” (eMedicine Journal, November 5, 2001 Volume 2, Number 11); revised December 2004

“Breast Reconstruction: the Bipedicled TRAM Flap,” (eMedicine Journal, August 7, 2001 Volume 2, Number 8); revised January 2005

“Breast Reconstruction: the Unipedicled TRAM Flap,” (eMedicine Journal, February 15, 2001 Volume 2, Number 2); revised January 2005

“TRAM Flap Reconstruction: The Single Pedicle, Whole Muscle Technique.” Zenn, M. R. and May, J.W. Jr. in SURGERY OF THE BREAST: PRINCIPLES AND ART. edited by Scott Spear. M.D. Lippincott-Raven, 1998(first edition); 2006 (second edition); 2011 (third edition)

Educational Courses

Co-Director, *Annual Fresh Cadaver Flap Dissection Course for Reconstructive Surgery*, University of Pennsylvania, Philadelphia, PA., August 2017

Director, *Annual Fresh Cadaver Flap Dissection Course for Reconstructive Surgery*, Duke University Medical Center, Durham N.C., August 2003-2016

Director, *Duke Breast Perforator Flap Dissection Course*, Duke University Medical Center, Durham N.C., August 2012-2016

Co-Director, *Duke Facial Nerve Symposium*, Duke University Medical Center, Durham N.C., September 2008

Editorial Boards

Journal of Reconstructive Microsurgery 2003-2015

Annals of Plastic Surgery 2007-2015

Head and Neck 2008-2015

Committee Memberships

AACPS – Nominating Committee, 2010 to 2015

AAPS – Development Committee, 2011– 2012

AAPS – Issues Subcommittee, 2015 – 2016

ABPS – Oral Board Examiner, 2012 – present

Committee Memberships(cont.)

ACGME – member Accreditation Appeals– Plastic Surgery, 2010-2016
ASPS/PSF – Finance and Investment Committee, 2015 – 2017
ASPS – Ethics Committee, 2013– 2016
ASPS – Program Committee, Microsurgery, 2006 to 2010
ASPS – Program Committee, Breast Surgery, 2010 to 2016
ASPS – Curriculum Development Committee, 2009 to 2015
ASRM – Executive Council, Senior Member at Large, 2008 to 2011
ASRM – Executive Council, Historian, 2014 to 2016
ASRM – Education representative to ASPS 2008 to 2012
ASRM – Ad-hoc Breast Committee, 2006 to 2015
ASRM – Audit Committee, 2005 to 2011
ASRM – CPT/RUC Committee, 2004 to 2012
ASRM – Buncke Lectureship Committee, 2006 to 2012
ASRM – Program Committee (Chairperson), 2007
ASRM – Godina Selection Committee, 2010-2012
ASRM – Bylaws Committee, 2016-2017
Duke School of Medicine Curriculum Committee, 2014 – 2016
DUMC – ICGME – voting member, 2005 to 2016
Durham Regional Hospital – GME committee, 2010 to 2015
WSRM – Bylaws Committee, 2013-2015

Community Service

Board Member, *Race for the Cure*, Susan Komen Foundation, NC Triangle Affiliate, 2001 to 2004

“Saving Face: Reconstruction of Head and Neck Cancers and Their Prevention.”

An outreach program started in 1997 targeted at teens in North Carolina to reduce high risk behaviors of chewing tobacco, smoking, and excessive sun bathing. The one hour program depicted graphically plastic surgical procedures required to reconstruct defects from head and neck cancer resections. Suggestions to reduce cancer risk were provided. (1997 to 2010)

Presentations

“Master Class: Nipple-Sparing Mastectomy and Direct-to-Implant: Making It Work.” QMP Reconstructive Symposium. Chicago, IL. November, 2017.

“Combination of Flaps and Tissue Expansion in Breast Reconstruction.” QMP Reconstructive Symposium. Chicago, IL. November, 2017.

“State of the Art in Breast Reconstruction.” National Congress of Columbian Plastic Surgery (SCCP) and the Ibero-Latin American Federation of Plastic Surgery(FILACP). Cartagena, Columbia. September, 2017.

“Staged Immediate Breast Reconstruction – The Zenn Delay.” National Congress of Columbian Plastic Surgery(SCCP) and the Ibero-Latin American Federation of Plastic Surgery(FILACP). Cartagena, Columbia. September, 2017.

Presentations(cont.)

- “Contemporary Solutions for Facial Palsy.” National Congress of Columbian Plastic Surgery (SCCP) and the Ibero-Latin American Federation of Plastic Surgery(FILACP). Cartagena, Columbia. September, 2017.
- “Principles of Flap Selection in Breast Reconstruction.” Visiting Professor, Southern Illinois University. Springfield, IL. March, 2017.
- “My Experience in Single Stage Breast Reconstruction with Nipple Sparing Mastectomy and Primary Breast Implant Placement.” Visiting Professor, Southern Illinois University. Springfield, IL. March, 2017.
- “How to Avoid Flap Necrosis in Breast Reconstruction.” Visiting Professor, Southern Illinois University. Springfield, IL. March, 2017.
- “Facial Reanimation.” Visiting Professor, Southern Illinois University. Springfield, IL. March, 2017.
- “Principles of Flap Selection in Breast Reconstruction.” Moscow Breast Surgery Annual Meeting. Moscow, Russia. March, 2017.
- “My Experience in Single Stage Breast Reconstruction with Nipple Sparing Mastectomy and Primary Breast Implant Placement.” Moscow Breast Surgery Annual Meeting. Moscow, Russia. March, 2017.
- “Combination of Tissue Expansion and Autologous Flaps in Breast Reconstruction.” Moscow Breast Surgery Annual Meeting. Moscow, Russia. March, 2017.
- “How to Avoid Flap Necrosis in Breast Reconstruction.” Moscow Breast Surgery Annual Meeting. Moscow, Russia. March, 2017.
- “Novel Approaches to IMF and Lower Pole Deformities in Breast Reconstruction.” Moscow Breast Surgery Annual Meeting. Moscow, Russia. March, 2017.
- “New Technologies in Plastic and Reconstructive Surgery: ICG Laser Angiography.” Annual Meeting of the American Society of Reconstructive Microsurgery, Waikoloa, Hawaii. January, 2017.
- “ALT and Fibula Flaps in Microsurgical Reconstruction.” Oncologic Reconstruction and Microsurgery Course. Duke Hospital. Durham, NC December, 2016.
- “One Stage Breast Reconstruction.” QMP Reconstructive Symposium. Chicago, IL. November, 2016.
- “Staged Immediate Breast Reconstruction (SIBR).” QMP Reconstructive Symposium. Chicago, IL. November, 2016.
- “The Medical Device Industry and the Role of the Chief Medical Officer.” Fuqua Business School MBA Class Lecture. Durham, NC. October 2016

Presentations(cont.)

- "Microsurgical Reconstruction of the Head and Neck." Plastic Surgery Grand Rounds. University of Manitoba, Winnipeg, Canada. September, 2016.
- "One Stage Breast Reconstruction After Nipple Sparing Mastectomy with ADM and Implants." Plastic Surgery Grand Rounds. Washington University. St. Louis, MO. May 2016
- "Obamacare." Grand Rounds. Chang Gung Memorial Hospital. Taipei, Taiwan. May 2016
- "One Stage Breast Reconstruction After Nipple Sparing Mastectomy with ADM and Implants." Plastic Surgery Grand Rounds. Chang Gung Memorial Hospital. Taipei, Taiwan. May 2016
- "Microsurgical Reconstruction of the Head and Neck." Plastic Surgery Grand Rounds. University of Virginia. Charlottesville, VA. April 2016
- "Intraoperative Assessment of NSM perfusion with SPY." BC3 Meeting. Georgetown University. Washington, DC. April 2016
- "The Cosmetic Implications of Radiation Therapy on Autologous Breast Reconstruction." BC3 Meeting. Georgetown University. Washington, DC. April 2016
- "Staged Immediate Breast Reconstruction for High Risk Skin-Sparing and Nipple Sparing Mastectomies." BC3 Meeting. Georgetown University. Washington, DC. April 2016
- "One Stage Breast Reconstruction After Nipple Sparing Mastectomy with ADM and Implants." Plastic Surgery Grand Rounds, University of Louisville. Louisville, KY. March 2016
- "Acellular Dermal Matrix (ADM) Use in Breast Reconstruction." Barcelona Breast Meeting, Barcelona, Spain. March 2016
- "Avoiding Complications in Autologous Breast Reconstruction." Barcelona Breast Meeting, Barcelona, Spain. March 2016
- "Gluteal Artery Perforator (GAP) Flap Reconstruction." Breast Reconstructive Course on Cadaver. Alicante, Spain. October, 2015
- "Transverse Upper Gracilis (TUG) Flap Reconstruction." Breast Reconstructive Course on Cadaver. Alicante, Spain. October, 2015
- "Staged Immediate Breast Reconstruction for High Risk Skin-Sparing and Nipple Sparing Mastectomies." American Society of Plastic Surgery Annual Meeting. Boston, MA. October, 2015.
- "Microsurgical Facial Reanimation." American Society of Plastic Surgery Annual Meeting. Boston, MA. October, 2015.

Presentations(cont.)

- “Chest Wall Reconstruction.” QMP Reconstructive Symposium. St. Louis, MO. October, 2015.
- “Microsurgical Reconstruction of the Head and Neck.” Annual Meeting of the Danish Society for Plastic and Reconstructive Surgery. Billund, Denmark. October, 2015.
- “ICG Laser Assisted Angiography in Trauma and Reconstructive Surgery.” Annual Meeting of the Danish Society for Plastic and Reconstructive Surgery. Billund, Denmark, October, 2015.
- “Use of ICG Laser Assisted Angiography in Surgery: a Tour of Microsurgery, Surgical Oncology, Trauma and other Surgical Specialties.” General Surgery Grand Rounds. Dalhousie University. Halifax, Nova Scotia. September, 2015.
- “Microsurgical Reconstruction of the Head and Neck.” Plastic Surgery Grand Rounds. Singapore General Hospital, Singapore. September, 2015.
- “Facial Reanimation.” Plastic Surgery Grand Rounds. Singapore General Hospital, Singapore. September, 2015.
- “Facial Reanimation.” Case Western Reserve University – Cleveland Clinic Combined Plastic Surgery Grand Rounds, Cleveland, OH. August, 2015.
- “The Use of Fluorescent Angiography in Breast Reconstruction Surgery.” General Surgery Grand Rounds. University of Illinois. Peoria, IL. May, 2015.
- “Facial Reanimation.” Plastic Surgery Grand Rounds. University of Southern California (USC), Los Angeles, CA. April, 2015
- “The Use of Fluorescent Angiography in Reconstructive Surgery.” WSRM Annual Meeting. Mumbai, India. March, 2015
- “Staged Immediate Breast Reconstruction for High Risk Skin-Sparing and Nipple Sparing Mastectomies.” Plastic Surgery at the Red Sea – An Aesthetic and Reconstructive International Symposium. Eilat, Israel. March, 2015
- “Use of Intraoperative Technology in Autologous Breast Reconstruction.” American Society of Reconstructive Microsurgery Annual Meeting. Bahamas. January, 2015.
- “The Use of Fluorescent Angiography in Breast Reconstruction Surgery.” Breast Reconstruction: State of the Art 2014. New York University. NY, NY. November, 2014
- “Staged Immediate Breast Reconstruction (SIBR) for Difficult Nipple-Sparing Mastectomy Cases.” Breast Reconstruction: State of the Art 2014. New York University. NY, NY. November, 2014
- “Immediate Implant Reconstruction with Acellular Dermal Matrix.” 5th International Oncoplastic Breast Surgery (IOBS) Symposium. Guangzhou, China. September, 2014
- “Nipple Sparing Mastectomy Utilizing ICG Laser Angiography.” 5th International Oncoplastic Breast Surgery (IOBS) Symposium. Guangzhou, China. September, 2014

Presentations(cont.)

- "Perforator Breast Reconstruction with ICG Laser Angiography." 5th International Oncoplastic Breast Surgery (IOBS) Symposium. Guangzhou, China. September, 2014
- "The Beauty of Microsurgery." International Oldenburg Plastic Surgery Symposium. Oldenburg, Germany. August, 2014
- "How to Demystify Microsurgery." European Plastic Research Council Annual Meeting. Hamburg, Germany. August, 2014
- "Laser Angiography in Perforator Breast Surgery." Grand Rounds, Brussels University Hospital. Brussels, Belgium. August, 2014.
- "Patient Selection and Options for Breast Reconstruction." Masters of Surgical Oncology Meeting, Cary, NC. July, 2014.
- "Enhancing Outcomes in Facial Reanimation: the Role of Physical Therapy." American Society of Reconstructive Microsurgery Annual Meeting. Kauai, HI. January, 2014.
- "Avoiding Problems in Autologous Breast Reconstruction Utilizing SPY." American Society of Reconstructive Microsurgery Annual Meeting. Kauai, HI. January, 2014.
- "Maximizing Efficiency in Autologous Breast Reconstruction." American Society of Reconstructive Microsurgery Annual Meeting. Kauai, HI. January, 2014.
- "How will Microsurgeons Afford the Affordable Care Act?" American Society of Reconstructive Microsurgery Annual Meeting. Kauai, HI. January, 2014.
- "Facial Reanimation." QMP Reconstructive Symposium. Chicago, IL. November, 2013.
- "Salvage of the Failed Breast Reconstruction." QMP Reconstructive Symposium. Chicago, IL. November, 2013.
- "Peer-Reviewed Proven Effects of NPWT: Setting the Record Straight." QMP Reconstructive Symposium. Chicago, IL. November, 2013.
- "Facial Reanimation: State of the Art." American Society of Plastic Surgery Annual Meeting. San Diego, CA. October, 2013.
- "Immediate – Delayed Breast Reconstruction." North Carolina Society of Plastic Surgery Annual Meeting. Kiawah, SC. October, 2013
- "Salvage of the Failed Breast Reconstruction." Grand Rounds. The Mayo Clinic. Rochester, MN. August, 2013.
- "Facial Reanimation." Grand Rounds. The Mayo Clinic. Rochester, MN. August, 2013.
- "Advantages of SPY, CT, and MRI in Reconstruction." QMP Reconstructive Symposium. Chicago, IL. November, 2012.

Presentations(cont.)

- "Update on Microsurgical Head and Neck Reconstruction." QMP Reconstructive Symposium. Chicago, IL. November, 2012.
- "Salvage of the Failed Breast Reconstruction." QMP Reconstructive Symposium. Chicago, IL. November, 2012.
- "Chest Wall Reconstruction." QMP Reconstructive Symposium. Chicago, IL. November, 2012.
- "The Use of Fluorescent Angiography in Plastic and Reconstructive Surgery." Plastic Surgery Grand Rounds. Medical University of South Carolina, Charleston, S.C. March, 2012
- "Breast Reconstruction: an Update on Current and New Techniques." AORN Annual Meeting. Chapel Hill, N.C. February, 2012.
- "The Use of Fluorescent Angiography in Breast Reconstruction Surgery." Breast Reconstruction: State of the Art. NYU School of Medicine. New York, NY. November, 2011.
- "Perforator Selection in DIEP Breast Reconstruction." 24th National Congress of the Italian Society of Microsurgery. Palermo, Italy. October, 2011.
- "Use of the Masseteric Nerve in Facial Reanimation." 24th National Congress of the Italian Society of Microsurgery. Palermo, Italy. October, 2011.
- "Breast Reconstruction 101." University of Wisconsin Grand Rounds. Madison, WI. September, 2011.
- "Facial Reanimation." University of Wisconsin Grand Rounds. Madison, WI. September, 2011.
- "Maximizing Aesthetics in Free Flap Breast Reconstruction." Santa Fe Breast and Body Symposium. Santa Fe, NM. August, 2011.
- "Secondary Revisions after Microsurgical Breast Reconstruction." Santa Fe Breast and Body Symposium. Santa Fe, NM. August, 2011.
- "Management of the Radiated Breast in Breast Reconstruction." Santa Fe Breast and Body Symposium. Santa Fe, NM. August, 2011.
- "Salvage of Failed Free Flaps with a Second Flap in Breast Reconstruction." Santa Fe Breast and Body Symposium. Santa Fe, NM. August, 2011.
- "Microsurgery- The Tie That Binds." Yale University Surgery Grand Rounds. New Haven, CT. May, 2011.
- "Revisional Surgery in Breast Reconstruction- Autogenous Reconstruction." Yale University Plastic Surgery Grand Rounds. New Haven, CT. May, 2011.
- "Laser Angiography in Plastic and Reconstructive Surgery." Vanderbilt University Plastic Surgery Grand Rounds. Nashville, TN. April 2011.

Michael R. Zenn, M.D.

"Laser Angiography in Plastic and Reconstructive Surgery." Methodist Hospital Grand Rounds. Dallas, TX. April 2011

"Perforator Breast Reconstruction." Southeast Society of Clinical Surgeons Annual Meeting. Durham, NC. March 2011.

"Revisional Surgery in Breast Reconstruction- Autogenous Reconstruction." Annual Meeting. American Society of Plastic Surgery. Toronto, CA. October 2010.

"Fluorescent Laser Angiography in Plastic and Reconstructive Surgery." Illinois Society of Plastic Surgeons Meeting. Chicago, IL. September, 2010.

"Financial Considerations in Free Flap Breast Reconstruction: Making it Work." Breast and Body Symposium. Santa Fe, NM. August, 2010.

"Flap Dissection in Autogenous Breast Reconstruction." Breast and Body Symposium. Santa Fe, NM. August, 2010.

"Salvage of Autogenous Breast Reconstruction with Flaps." Breast and Body Symposium. Santa Fe, NM. August, 2010.

"Breast Reconstruction Following Previous Failures." Reconstructive Surgery Symposium. Mayo Clinic, Rochester, MN. June, 2010.

"Facial Reanimation Using the Gracilis Muscle." Reconstructive Surgery Symposium. Mayo Clinic, Rochester, MN. June, 2010.

"Coding in Plastic Surgery at Duke." Duke Coding Society Meeting. Durham, NC. April, 2010.

"SPY Angiography in Plastic Surgery." Spy Imaging in Reconstruction Meeting. Cary, NC March, 2010.

"Alternative (Non-Abdominal Based) Perforator Flap Reconstruction: TUG Flap Breast Reconstruction" ASRM Annual Meeting. Boca Raton, FL. January, 2010.

"Cutting Edge Solutions for Facial Paralysis." ASRM Annual Meeting. Boca Raton, FL. January, 2010.

"Facial Reanimation- The Joy of a Smile." ASPS Annual Meeting. Seattle, WA. October, 2009

"DIEP Flap Breast Reconstruction." American College of Surgeons Annual Meeting. Chicago, IL. October, 2009.

"New Ideas in Breast Reconstruction." North Carolina Society of Plastic Surgeons Annual Meeting. Kiawah Island, SC. October, 2009.

"Breast Reduction and Breast Reconstruction – a personal evolution." Plastic Surgical Association Republic of China Annual Meeting. Taipei, Taiwan. November, 2008.

"Facial Reanimation- The Joy of a Smile" ASPS Annual Meeting. Chicago, IL. October, 2008

Presentations(cont.)

- "Facial Reanimation" ACPA Annual Meeting. Philadelphia, PA. April, 2008
- "Facial Reanimation." Facial Nerve and Reanimation Symposium. Durham, NC. September, 2008.
- "Facial Reanimation" Surgery Grand Rounds, Rochester University Medical Center, Rochester, NY, August, 2008.
- "Microsurgical Reconstruction of Mohs Defects." 22nd Annual Workshop in Plastic Surgery. St. Johns, USVI. January, 2008.
- "Microsurgical Salvage of Breast Reconstruction." 22nd Annual Workshop in Plastic Surgery. St. Johns, USVI. January, 2008.
- "Microsurgical Tips in Free Flap Breast Reconstruction." 22nd Annual Workshop in Plastic Surgery. St. Johns, USVI. January, 2008.
- "Breast Reconstruction- What Has Evolved as the Clinical Standard." American Society of Reconstructive Microsurgery. Beverly Hills, C.A. January, 2008.
- "Abdominal Wall Hernia Repair after TRAM Breast Reconstruction." Breast Surgery and Body Contouring Symposium; Santa Fe, N.M. August, 2007.
- "Revisional Breast Surgery using Myocutaneous Flaps." World Society of Reconstructive Surgery. Athens, Greece. July 2007
- "Revisional Surgery in Breast Reconstruction- Perfecting Shape." Annual Meeting. American Society of Plastic Surgery. San Francisco, CA. October 2006
- "Breast Reconstruction Salvage with Microsurgery." Breast Surgery and Body Contouring Symposium; Santa Fe, N.M. August, 2006.
- "Anatomic Relationship Between the Inframammary Fold and the Pectoralis Major Origin." Southeastern Society of Plastic and Reconstructive Surgeons 47th Annual Meeting. Sea Island, GA. June, 2006.
- "Breast Reconstruction in the New Millennium." AORN Annual Meeting. Chapel Hill, N.C. February, 2006.
- "Insetting of the superficial inferior epigastric artery (SIEA) flap in breast reconstruction." Annual Meeting. American Society of Reconstructive Microsurgery; Puerto Rico January, 2005
- "Functional Unilateral Gluteoplasty for Fecal Incontinence: Technical Refinements, Donor Site Morbidity, and Long-term Outcome." 72nd Annual Scientific Meeting of the American Society of Plastic Surgeons; San Diego, CA October, 2004.
- "Autogenous Alternatives to TRAM Flap Reconstruction of the Breast." 18th Annual Breast Surgery Symposium. Southeastern Society of Plastic and Reconstructive Surgeons/ PSEF; Atlanta, GA January, 2002

Presentations(cont.)

- "Chest Wall Reconstruction." 18th Annual Breast Surgery Symposium. Southeastern Society of Plastic and Reconstructive Surgeons/PSEF; Atlanta, GA January, 2002
- "Treatment of Hernias After TRAM Flap Reconstruction." 18th Annual Breast Surgery Symposium. Southeastern Society of Plastic and Reconstructive Surgeons/PSEF; Atlanta, GA January, 2002
- "Breast Reconstruction in the New Millennium." Living Beyond Breast Cancer. Rex Healthcare's Ninth Annual Survivor Program. Raleigh, N.C. October, 2001
- "Breast Reconstruction." Living Beyond Breast Cancer. Rex Healthcare's Eighth Annual Survivor Program. Raleigh, N.C. October, 2000.
- "Breast Reconstruction." Women's Cancers. UNC/Duke. The Grandover, Greensboro, N.C. October, 2000.
- "Breast Reconstruction." Hampton Roads Fall Cancer Conference; Virginia Beach, VA. October, 2000.
- "Fellowship in Plastic Surgery." North Carolina Society of Plastic and Reconstructive Surgeons annual meeting; Asheville, N.C. September, 2000.
- "Facial Reconstruction after Trauma." 11th Annual New Hanover Medical Center Trauma Symposium; Wilmington, N.C. February, 2000.
- "Melanoma in the New Millennium" Greensboro Rotary Club; Greensboro, N.C. July, 1999.
- "New Developments in Head and Neck and Breast Reconstruction." Nathan Womack Society; Chapel Hill, NC. May, 1999.
- "Breast Reconstruction." Body and Soul '98: A symposium about breast cancer for women and their families. A UNC/Duke sponsored symposium. October, 1998.
- "Microsurgical Breast Reconstruction" Reconstructive Surgery: The State of the Art Symposium, Durham N.C. June, 1998.
- "Mandible Reconstruction and Dental Implants" Reconstructive Surgery: The State of the Art Symposium, Durham N.C. June, 1998.
- "Avoiding Complications in Microsurgery." Southeastern Society of Plastic and Reconstructive Surgeons Annual Meeting; Boca Raton, FL. June, 1998
- "Microsurgical Considerations in Replantation of the Penis." Southeastern Society of Plastic and Reconstructive Surgeons Annual Meeting; Boca Raton, FL. June, 1998
- "Breast Reconstruction." American Society of Plastic and Reconstructive Surgical Nurses Annual Meeting. Chapel Hill, N.C. February, 1998.
- "Breast Reconstruction." Body and Soul '97: A symposium about breast cancer for women and their families. A UNC/Duke sponsored symposium. October, 1997.

Presentations(cont.)

"Replantation of the Penis." Southeastern Society of Plastic and Reconstructive Surgeons Annual Meeting. Boca Raton, FL June, 1999.

"Ambulatory Surgery: Lessons from Plastic and Reconstructive Surgery." American College of Surgeons Annual Meeting. Chicago, IL October, 1997.

"Microsurgical Reconstruction" Surgery Grand Rounds/Visiting Professor. New Hanover Regional Medical Center, Wilmington, NC. September, 1997.

"Cheek Reconstruction Utilizing a Free TRAM Flap." Nathan Womack Society; Chapel Hill, NC. February, 1997.

"Breast TRAM Flap, Gluteus Flap, and other Free Flaps." American Society for Reconstructive Microsurgery Annual Meeting; Boca Raton, FL January, 1997

"The role of the radial forearm free flap in mandibular reconstruction." The 65th Anniversary Scientific Meeting of the American Society of Plastic and Reconstructive Surgeons, Dallas, TX. November, 1996.

"Breast Reconstruction." Body and Soul '96: A symposium about breast cancer for women and their families. A UNC/Duke sponsored symposium. October, 1996.

"Cheek Reconstruction Utilizing a Free TRAM Flap." New England Society of Plastic and Reconstructive Surgeons 36th Annual Meeting; Boston, MA June, 1995.

"Correction of Tip Asymmetry in the Cleft Lip Nose." Biannual Meeting of the Harvard Plastic Surgical Residencies; Boston, MA June, 1995.

"Subciliary Malar Augmentation and Cheek Advancement: A Six Year Study in 22 Patients Undergoing Blepharoplasty." American Association of Plastic Surgeons; St. Louis, MO May, 1994.