

Ergun Kocak, MD

Midwest Breast & Aesthetic Surgery

DEGREES

- M.D., The Ohio State University, Columbus, Ohio
- M.S., The Ohio State University, Columbus, Ohio
- B.S., University of Michigan, Ann Arbor, Michigan

MEDICAL TRAINING

- Fellowship, Reconstructive Microvascular Surgery, The University of Texas M.D. Anderson Cancer Center, Houston, TX
- Residency, Plastic Surgery, The Ohio State University, Columbus, OH
- Residency, General Surgery, The Ohio State University, Columbus, OH

LICENSURE/CERTIFICATIONS

- Fellowship, Reconstructive Microvascular Surgery, The University of Texas M.D. Anderson Cancer Center, Houston, TX
- Residency, Plastic Surgery, The Ohio State University, Columbus, OH
- Residency, General Surgery, The Ohio State University, Columbus, OH

POSITIONS

- 02/2014 – Present Plastic and Microvascular Surgeon, Co-Founder, Midwest Breast and Aesthetic Surgery, Columbus and Cincinnati, Ohio
- 08/2009 – 01/2014 Assistant Professor and Attending Surgeon, Department of Plastic Surgery, The Ohio State University, Columbus, Ohio
- 07/2008 – 06/2009 Clinical Specialist and Microsurgery Fellow, Division of Plastic Surgery, MD Anderson Cancer Center, Houston, Texas
- 07/2000 – 06/2008 Clinical Instructor / House Staff, The Ohio State University, Surgery. Columbus, Ohio

PROFESSIONAL CAREER MEMBERSHIPS

- American Society of Plastic Surgery
- American Society of Reconstructive Microsurgery
- Plastic Surgery Research Council
- Ohio Valley Society of Plastic Surgery
- Columbus Society of Plastic Surgery

HONORS AND AWARDS

- Highest Patient Satisfaction Rating, Wexner Medical Center at The Ohio State University (2013)
- Excellence in Teaching Award. College of Medicine, The Ohio State University (2012)
- Distinguished Undergraduate Research Mentor Award Nominee. Undergraduate Research Office. The Ohio State University (2011 and 2010)
- Highest Patient Satisfaction Rating, Ohio State University Medical Center, The Ohio State University (2011)
- Alumni Award for Distinguished Teaching Nominee. Office of Academic Affairs. The Ohio State University (2010)
- First Place Resident Research Competition. American College of Surgeons Ohio Chapter (2005)
- First Place Annual Meeting. Ohio Valley Society of Colon and Rectal Surgeons (2005)
- First Place Annual Presidential Symposium. The Columbus Surgical Society (2005)
- First Place Annual Resident Research Conference. The Ohio State University, Department of Surgery, The Ohio State University (2005)
- Alpha Omega Alpha, Medical Honors Society. The Ohio State University (2003)
- NCI/NIH T32 National Research Service Award (2003)
- Cancer Research Fellowship Award. American Cancer Society (2002)
- The Carey Award in Surgery. The Ohio State University College of Medicine (2000)

PEER REVIEWED JOURNAL ARTICLES

- **Kocak E**, Abdessalam SF, Nuovo G, Kissel JT, Walker MJ. "Stiff-person Syndrome: A Rare Presentation for Breast Cancer." *Breast Journal*. Vol. 6, no. 10 (November 2004): 552-553.
- Xiao JJ, Horst SN, Hinkle G, Cao X, **Kocak E**, Fang J, Young D, Agnese D, Sun D, Martin EW. "Pharmacokinetics and Clinical Evaluation of 125I Radiolabeled Humanized CC49 Monoclonal Antibody (HuCC49 Delta C(H)2) in Recurrent and Metastatic Colorectal Cancer Patients." *Cancer Biother Radiopharm*. Vol. 1, no. 20 (February 2005): 16-26.
- May KF, Roychowdhury S, Bhatt D, **Kocak E**, Bai XF, Liu JQ, Ferketich AK, Martin EW, Caligiuri MA, Zheng P, Liu Y. "Anti-human CTLA-4 monoclonal antibody promotes T cell expansion and immunity in a hu-SCID model: a new method for preclinical screening of costimulatory monoclonal antibodies." *Blood*. Vol. 3, no. 105 (February 2005): 1114-1120.
- Lute K, May KF, Lu P, Zhang H, **Kocak E**, Mosinger B, Wolford C, Philips G, Zheng P, Liu Y. "Human CTLA-4-knock-in mice unravel the quantitative link between tumor immunity and autoimmunity induced by anti-human CTLA-4 antibodies." *Blood*. Vol. 9, no. 106 (November 2005): 3127-3133.
- **Kocak E**, Ober J, Berme N, Melvin S. "Eye-motion parameters correlates with level of experience in video-assisted surgery: Objective testing of three tasks." *J Laparoscopic Adv Surg Tech*. Vol. 6, no. 15 (December 2005): 575-580.

- Horst S, **Kocak E**, Mantil J, Agnese D, Martin EW. "Abdominal positron-emission tomography lesions with increased standardized uptake values correlate with intraoperative findings." *Am J Surg*. Vol. 1, no. 191 (January 2006): 39-44.
- Li O, Chang X, Zhang H, **Kocak E**, Ding C, Zheng P, Liu Y. 2006. "Massive and destructive T cell response to homeostatic cue in CD24-deficient lymphopenic hosts." *J Exp Medicine*. Vol. 7, no. 203 (July 2006): 1713-1720.
- **Kocak E**, Lute K, Chang X, May KF Jr, Exten KR, Zhang H, Abdessalam SF, Lehman AM, Jarjoura D, Zheng P, Liu Y. "Combination therapy with anti-CTL antigen-4 and anti-4-1BB antibodies enhances cancer immunity and reduces autoimmunity." *Cancer Research*. Vol. 66, no. 14. (July 2006): 7276-7284.
- Sarikaya I, Povoski SP, Al-Saif OH, **Kocak E**, Bloomston M, Marsh S, Cao Z, Murray DA, Zhang J, Hall NC, Knopp MV, Martin EW. "Combined use of preoperative 18F FDG-PET imaging and intraoperative gamma probe detection for accurate assessment of tumor recurrence in patients with colorectal cancer." *World J Surg Onc*, no. 5 (January 2007): 80.
- May KF Jr, Lute K, **Kocak E**, Abdessalam S, Yin L, Li O, Guan Z, Philips G, Zheng P, Liu Y. "Immune competence of cancer-reactive T cells generated de novo in adult tumor-bearing mice." *Blood*. Vol. 109, no. 1. (January 2007): 253-258.
- May KF, Chang X, Zhang H, Lute KD, Zhou P, **Kocak E**, Zheng P, Liu Y. "B7-deficient autoreactive T cells are highly susceptible to suppression by CD4+ CD25+ regulatory T cells." *Journal of Immunology*, no. 178 (February 2007): 1542-1552.
- **Kocak E**, Al-Saif O, Satter M, Bloomston M, Abdessalam SF, Mantil J, Goshtasby AA, Martin EW Jr. "Image guidance during abdominal exploration for recurrent colorectal cancer." *Annals of Surgical Oncology*. Vol. 14, no. 2. (February 2007): 405-410.
- **Kocak E**, Carruthers KH, Kobus RJ. 2010. Distal Interphalangeal Joint Arthrodesis with the Herbert Headless Compression Screw: Outcomes and Complications in 67 Treated Joints. *Hand*. Vol. 6, no. 1. : 56-59.
- Hanasono MM, **Kocak E**, Ogunleye O, Hartley CJ, Miller MJ. "One versus two venous anastomoses in microvascular free flap surgery." *Plastic And Reconstructive Surgery*. Vol. 126, no. 5. (November 2010): 1548.
- **Kocak E**, Carruthers KH, McMahan JD. "A reliable method for the preoperative estimation of tissue to be removed during reduction mammoplasty." *Plastic and Reconstructive Surgery*. Vol. 127, no. 3. (March 2011): 1059.
- Hanasono MM, **Kocak E**, Ogunleye O, Hartley CJ, Miller MJ. "Reply: One versus Two Venous Anastomoses in Microvascular Free Flap Surgery." *Plastic and Reconstructive Surgery*. Vol. 127, no. 6. (June 2011): 2515-2516.
- **Kocak E**, Carruthers KH, McMahan JD. "Letter to the Editor Reply: A Novel Method for the Preoperative Estimation of Tissue Removed in Reduction Mammoplasty." *Plastic and Reconstructive Surgery*. Vol. 128(5), (Jul 2011): 567e-568e.
- Durden F, Carruthers KH, Haran O, **Kocak E**. "Intraoperative Navigation-Assisted Identification of Deep Inferior Epigastric Artery Perforators." *Plastic and Reconstructive Surgery*. Vol. 129, no. 5. (May 2012): 880E-882E.

- Durden F, Tiwari P, **Kocak E**. "Can the DermaClose device contribute to periwound tissue ischemia and necrosis: a case presentation and discussion?." *Plastic Surgical Nursing: Official Journal of the American Society of Plastic and Reconstructive Surgical Nurses*. Vol. 32, no. 3. (Jul 2012): 132-133.
- Carruthers KH, Eisemann BS, Lamp S, **Kocak E**. "Optimizing the Closed Suction Surgical Drainage System." *Plastic Surgical Nursing*. Vol. 2013 Jan;33(1), (Jan 2013): 38-42.
- Tiwari P, Agrawal N, **Kocak E**. "The use of free microvascular techniques to improve the results of van nes rotationplasty." *Annals of plastic surgery*. Vol. 70, no. 6. (Jun 2013): 672-674.

PRESENTATIONS (LOCAL/INTERNATIONAL)

- "Research Update." Presented at Fifth Annual Ruberg Symposium. Ohio State University, Columbus, Ohio. (September, 2013)
- "Live Surgery." Presented at Fifth Annual Ruberg Symposium. Ohio State University, Columbus, Ohio. (September, 2013)
- "Changes in Urinary Incontinence After Abdominoplasty." Presented at Ohio Valley Society of Plastic Surgeons Annual Meeting 2013, Indianapolis, Indiana. (May, 2013)
- "Patient Attitudes Toward Resident Participation: Cosmetic Versus Reconstructive Outpatient Consultations." Presented at Ohio Valley Society of Plastic Surgeons Annual Meeting 2013, Indianapolis, Indiana. (May, 2013)
- "Gene-directed Enzyme Prodrug Therapy (GDEPT) in a Human Tumor Xenograft Model Using Gene-Modified Muscle Tissues and Chemotherapeutic Prodrug Molecules." Presented at Plastic Surgery Research Council Annual Meeting 2013. Loews Santa Monica Beach Hotel, Santa Monica, California. (May, 2013)
- "A Potential Therapeutic Role for Survivin in Mitigating the Harmful Effects of Ionizing Radiation." Presented at American Society of Gene and Cell Therapy Annual Meeting 2013, Salt Lake City, Utah. (May, 2013)
- "Imaging Technologies in Perforator Flap Surgeries." Presented at International Symposium on Reconstructive Surgery Hotel Diamond, Ustron, Poland. (April, 2013)
- "Novel Methods and Applications of Genetically Modified Flap Tissues." Presented at International Symposium on Reconstructive Surgery Hotel Diamond, Ustron, Poland. (April, 2013)
- "Own Experiences in Breast Reconstruction." Presented at International Symposium on Reconstructive Surgery Hotel Diamond, Ustron, Poland. (April, 2013)
- "Improvement in Urinary Incontinence After Abdominoplasty Surgery: A 250 Patient Study." Presented at American Society for Aesthetic Plastic Surgery Annual Meeting 2013, New York, New York. (April, 2013)
- "Patient attitudes toward resident participation in cosmetic versus reconstructive outpatient consultations." Presented at American Society for Aesthetic Plastic Surgery Annual Meeting 2013, New York, New York. (April, 2013)
- "Critical Review of the Literature." Presented at Resident Didactics, The Ohio State University, Columbus, Ohio. (February, 2013)

- "Patient Attitudes Toward Resident Participation in Outpatient Consultations." Presented at The Center for Education and Scholarship at The Ohio State University College of Medicine, Annual Celebration of Educational Scholarship Meeting. OSU Biomedical Research Tower, Columbus, Ohio. (November, 2012)
- "Grant Writing Module Development." Presented at Winter Board Meeting of the American Board of Plastic Surgeons (ASPS). New Orleans Convention Center, New Orleans, Louisiana. (November, 2012)
- "Live Surgery." Presented at Fourth Annual Ruberg Symposium, Columbus, Ohio. (September, 2012)
- "Research Update." Presented at Fourth Annual Ruberg Symposium. Ohio State University, Columbus, Ohio. (September, 2012)
- "Professionalism." Presented at Plastic Surgery Resident and Faculty Conference. OSU EEI, Columbus, Ohio. (August, 2012)
- "Plastic Surgery: What It's Really About." Presented at Plastic Surgery Interest Group Meeting. Graves Hall, OSU College of Medicine, Columbus, Ohio. (March, 2012)
- "Intraoperative Navigation-Assisted Identification of Deep Inferior Epigastric Artery Perforators." Presented at GSA Midwest Graduate Research Symposium. University of Toledo, Toledo, Ohio. (March, 2012)
- "Microsurgical Breast Reconstruction." Presented at Grand Rounds - Nebraska Medical Center University of Nebraska Medical Center, Omaha, Nebraska. (February, 2012)
- "Burn Management for the Combat Zone." Presented at Combat Extremity Surgery Course at the Society of Military Orthopedic Surgeons, 53rd Annual Meeting, San Diego, California. (December, 2011)
- "Anatomy Lab Flap Dissections." Presented at Society of Military Orthopaedic Surgeons, 53rd Annual Meeting. San Diego, California. (December, 2011)
- "Live Surgery." Presented at 3rd Annual Ruberg Symposium, Columbus, Ohio (September, 2011)
- "Ongoing Research." Presented at 3rd Annual Ruberg Symposium, Columbus, Ohio (September, 2011)
- "Anatomy of a Research Article." Presented at OSU Plastic Surgery Resident and Faculty Conference. Columbus, Ohio. (September, 2011)
- "Critical Review of the Literature." Presented at OSU Plastic Surgery Resident and Faculty Conference. Columbus, Ohio. (September, 2011)
- "Professionalism." Presented at OSU Plastic Surgery Resident and Faculty Conference. Columbus, Ohio. (July, 2011)
- "Localized Gene-Modification of Muscle Tissue Using Autologous Fat Grafts as a Vehicle of Viral Vector Delivery." Presented at American Society of Gene & Cell Therapy Annual Meeting. Seattle, Washington. (May, 2011)
- "Chief's Conference." Presented at OSU Plastic Surgery Resident and Faculty Conference. Columbus, Ohio. (May, 2011)
- "Gene-Modification of Muscle Flaps Using Novel Recombinant Anecho-Associated Viral Vectors." Presented at Plastic Surgery Research Council Annual Meeting. Louisville, Kentucky. (April, 2011)

- "Gene-Modification of Muscle Flaps Using Novel Recombinant Anecho-Associated Viral Vectors." Presented at American Society for Reconstructive Microsurgery (ASRM) Annual Meeting. Cancun, Mexico. (January, 2011)
- "Live Surgery." Presented at 2nd Annual Ruberg Symposium, Columbus, Ohio. (September, 2010)
- "Research Review" Presented at 2nd Annual Ruberg Symposium, Columbus, Ohio. (September, 2010)
- "Connective Tissue Growth Factor Production by Activated Pancreatic Stellate Cells in Mouse Alcoholic Chronic Pancreatitis." Presented at 2010 OSU Department of Surgery 15th Annual Research Day Conference. Columbus, Ohio. (May, 2010)
- "Plastic Surgical Research." Presented at Plastic Surgery Interest Group. The Ohio State University. Columbus, Ohio. (February, 2010)
- "Distal Interphalangeal Joint Arthrodesis Using the Herbert Headless Compression Screw: Outcomes and Complications in 67 Treated Joints." Presented at American Association for Hand Surgery Annual Meeting. Boca Raton, Florida. (January, 2010)
- "Critical Review of the Literature." Presented at OSU Resident Conference. Columbus, Ohio. (October, 2009)
- "Delayed Immediate Breast Reconstruction." Presented at 1st Annual Ruberg Symposium. Columbus, Ohio. (September, 2009)
- "Hot Topics in Breast Reconstruction." Presented to OSU Medical Oncology Group. Dublin, Ohio. (September, 2009)
- "A Novel Method for the Preoperative Estimation of Tissue to be Removed During Reduction Mammoplasty." Presented at American Association of Aesthetic Plastic Surgery Annual Meeting. Las Vegas, Nevada. (May, 2009)
- "Distal Interphalangeal Joint Arthrodesis with the Herbert Headless Compression Screw: Outcomes and Complications in 67 Treated Joints." Presented at Annual Meeting of the Ohio Valley Society of Plastic Surgeons. Cleveland, Ohio. (May, 2008)
- "Distal interphalangeal joint arthrodesis with the Herbert headless compressive screw: Outcomes and complications in 67 joints." Presented at 2008 Plastic Surgery Senior Residents Conference. Washington, DC. (January, 2008)
- "Image-guidance during abdominal exploration for recurrent colorectal cancer." Presented at Society of Surgical Oncology (SSO) Annual Meeting. San Diego, California. (March, 2006)
- "Combination therapy with anti-CTLA-4 and anti-4-1BB antibodies unravels a link between cancer immunity and autoimmunity." Presented at American Association of Cancer Research (AACR) 96th Annual Meeting. Anaheim, California. (May, 2005)
- "Using eye-motion as a measure of level of experience in video-assisted surgery." Presented at 10th Annual OSU Department of Surgery Resident Research Conference. Columbus, Ohio. (May, 2005)
- "Combining monoclonal antibodies to promote anti-tumor immunity and reduce autoimmune side-effects." Presented at Ohio Valley Society of Colon and Rectal Surgeons Annual Meeting, Columbus, Ohio (April, 2005)

- "Uncoupling Tumor Immunity and Autoimmunity." Presented at American College of Surgeons Ohio Chapter Annual Meeting, Columbus, Ohio. (April, 2005)
- "Uncoupling Tumor Immunity and Autoimmunity." Presented at Columbus Surgical Society Annual Presidential Symposium. Columbus, Ohio. (February, 2005)
- "Anti-tumor Immunity By Targeting Multiple Costimulatory Pathway." Presented at 9th Annual OSU Department of Surgery Resident Research Conference. Columbus, Ohio. (May, 2004)
- "Objective Testing of Eye Motion Parameters Correlates with Level of Experience in Video-assisted Surgery." Presented at Society of American Gastrointestinal Endoscopic Surgeons (SAGES) Annual Meeting. Denver, Colorado. (April, 2004)
- "Positron Emission Tomography Underestimates the Extent of Disease Found By Laparotomy in Metastatic Colorectal Cancer." Presented at Society of Surgical Oncology (SSO) Annual Meeting. New York, New York. (March, 2004)
- "CD28 Is Not Required For B7-Mediated Costimulation of NK Cell Proliferation In Response to Tumor Challenge." Presented at Association for Academic Surgery (AAS) Annual Meeting. Sacramento, California. (November, 2003)

BOOK CHAPTERS

- Jason W. Edens, **Ergun Kocak**, Carmen Ceron, Liliana Camison, Christopher J. Salgado. "Hernia Repair in the Massive Weight Loss Patient." In *Cosmetic Surgery After Massive Weight Loss*. edited by Seth Thaller, Mimis Cohen, Jaypee Brothers Medical Pub, 2013.

CLINICAL TRIALS

- Intraoperative Stereostatic Image-guided Navigation of Perforators for DIEP Flap Breast Reconstruction. Kocak, Role: Principal Investigator.