

Alisha Bonaroti Paranzino, MD
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EMPLOYMENT

Assistant Professor of Surgery Director of Microsurgery University of Kentucky, Division of Plastic Surgery	<i>September 2023 – Present</i> Lexington, KY
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TEACHING APPOINTMENTS

Clinical Teaching Fellow in Surgery Harvard University	<i>July 2022 – June 2023</i> Boston, MA
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POSTGRADUATE TRAINING

Microsurgery and Complex Breast Reconstruction Fellowship Brigham & Women's Hospital, Harvard University Division of Plastic Surgery	<i>July 2022 – June 2023</i> Boston, MA
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Plastic Surgery Integrated Residency University of Kentucky Division of Plastic Surgery	<i>July 2016 – June 2022</i> Lexington, KY
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EDUCATION

Doctor of Medicine University of South Florida, College of Medicine	<i>July 2012 – April 2016</i> Tampa, FL
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Master of Science, Biomedical Science Drexel University, College of Medicine	<i>July 2010 – June 2012</i> Philadelphia, PA
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Bachelor of Science, Biomedical Engineering George Washington University, School of Engineering & Applied Science	<i>August 2005 – May 2009</i> Washington, DC
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AWARDS / HONORS

Faculty Teaching Award University of Kentucky, Division of Plastic Surgery	June 2025
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Faculty Teaching Award University of Kentucky, Division of Plastic Surgery	June 2024
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Resident Research Award University of Kentucky, Division of Plastic Surgery	June 2021
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Resident Research Award Kentucky Society of Plastic Surgeons	October 2019
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Resident Research Award Kentucky Society of Plastic Surgeons	October 2018
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Glasgow-Rubin Award for Academic Achievement American Medical Women's Association	April 2016
Commendation for Academic Achievement University of South Florida	April 2016
Alpha Omega Alpha, Medical Honor Society University of South Florida	September 2015
Honors: All Clinical Clerkships University of South Florida	June 2014 – April 2016
Full Academic Merit Scholarship George Washington University	August 2005 – May 2009

SCHOLARLY/WORK EXPERIENCE

SELECT Training Program Scholarly Excellence, Leadership Education, Collaborative Training	<i>July 2012 – April 2016</i>
Optimizing LOS Using Data Analysis & Lean Techniques University of South Florida Capstone	<i>June 2015 – April 2016</i>
Health Systems Engineering Scholarly Concentration University of South Florida	<i>July 2012 – May 2014</i>
Dynamic Adaptive Patient Movement Monitoring George Washington University Senior Thesis	<i>January 2008 – May 2009</i>
Clark Construction, Project Engineer Washington, DC	<i>May 2009 – July 2010</i>
Clark Construction, Engineering Intern Washington, DC	<i>November 2007 – May 2009</i>
RAK Medical, Medical Sales Intern Pittsburgh, PA	<i>May 2007 – August 2007</i>

LEADERSHIP EXPERIENCE

American Council of Academic Plastic Surgeons Aesthetic Surgery Liaison	<i>January 2024 – Present</i>
Aesthetic Surgery Journal Peer Reviewer	<i>February 2024 – Present</i>
Clinical Competency & Program Evaluation Committees University of Kentucky	<i>September 2023 – Present</i>
LCME Accreditation Committee University of South Florida	<i>October 2013 – March 2014</i>

TEACHING EXPERIENCE

Microsurgery Basic Course Director
Surgery Clerkship Oral Examiner

September 2024 – Present
September 2023 – Present

QUALITY IMPROVEMENT

Epic Breast Service Order Set Implementation , University of Kentucky	<i>2025</i>
Breast Surgical Site Infection Reduction , University of Kentucky	<i>2024</i>
Epic eConsent Initiation , University of Kentucky	<i>2024</i>
Lymphedema COE Certification , Brigham & Women's Hospital	<i>2023</i>
Resident OneDrive , University of Kentucky	<i>2019 – 2022</i>
Operative EMR Order Sets , University of Kentucky	<i>2018</i>
Less of a "Drain" Program , University of Kentucky	<i>2017</i>
Postoperative Narcotic Prescribing Protocol , University of Kentucky	<i>2016</i>

VOLUNTEER WORK

Christian Medical Services Mission Trip Santa Cruz, Bolivia	<i>March 2013</i>
Surgicorps International Mission Trip Paro, Bhutan	<i>April 2010</i>

COURSES & CERTIFICATIONS

Oncologic and Reconstructive Microsurgery Course , Nashville, TN	<i>December 2021</i>
ASMS Maxillofacial Basic Course , Philadelphia, PA	<i>August 2019</i>
Microsurgery Basic Training Course , Lexington, KY	<i>February 2019</i>
Institute for Healthcare Improvement Open School	<i>March 2016</i>

PROFESSIONAL EXAMINATIONS

United States Medical Licensing Examination	
Step 1: 240	<i>April 2014</i>
Step 2CK: 251	<i>May 2015</i>
Step 2CS: Pass	<i>September 2015</i>
Step 3: 230	<i>December 2016</i>
American Board of Plastic Surgery	
Written Examination: Pass (82 nd Percentile)	<i>May 2022</i>
Oral Examination: Pass (73 rd Percentile)	<i>November 2024</i>

PROFESSIONAL ORGANIZATIONS / COMMITTEES

The Aesthetic Society , Associate Member	<i>October 2023 – Present</i>
American Society for Reconstructive Microsurgery , Candidate Member	<i>October 2021 – Present</i>
American Society of Plastic Surgeons , Candidate Member	<i>July 2016 – Present</i>
Southeastern Society of Plastic Surgeons , Candidate Member	<i>July 2016 – Present</i>
Alpha Omega Alpha	<i>February 2016 – Present</i>

LICENSURE

Kentucky State Board of Medicine, 58122
Massachusetts State Board of Medicine, 291708
Drug Enforcement Agency Registration, FB7004853

RESEARCH

PUBLICATIONS

1. Caragher S, **Paranzino AB**, Stearns S, Copeland-Halperin L, Erdmann-Sager J. Complications After Subpectoral and Prepectoral Tissue Expander Placement in Women Undergoing Postmastectomy Radiation Therapy. *Plastic and Reconstructive Surgery Global Open*. 2025 Jun 23;13(6):e6867. PMID: 40552066.
2. **Paranzino AB**, Vieira B, Apovian C, Agarwal S. Medical Weight Management Considerations in Plastic Surgery. *Plastic and Reconstructive Surgery*. 2024. PMID: 38563562.
3. **Paranzino AB**, Sims J, Kirn DS. Safety and Efficacy of Outpatient Drainless Abdominoplasty: A Single Surgeon Experience of 454 Consecutive Patients. *Aesthetic Surgery Journal*. 2023. Epub ahead of print. PMID: 37265022. SESPRS Quarterly Must Read Journal Selection
4. Mazdeyasna S, Huang C, **Paranzino, AB**, Mohtasebi M, Cheng Q, Wong L, Yu G. Intraoperative Optical and Fluorescence Imaging of Blood Flow Distributions in Mastectomy Skin Flaps for Identifying Ischemic Tissues. *Plastic and Reconstructive Surgery*. 2022. PMID: 35653513.
5. Lynch E, Anderson W, DeCoster R, **Bonaroti A**, Vyas K, Bourne D, Vasconez H, Lin K. Update on the Basic Science Concepts and Applications of Adipose-Derived Stem Cells in Hand and Craniofacial Surgery. *Plastic and Reconstructive Surgery*. 2021; 148(3): 475e-486e. PMID: 34432707.
6. Wang C, **Bonaroti A**, Liau J, Miller B. Sagittal Synostosis Scaphocephaly Cranial Reconstruction with Spiral Cut Cranioplasty. *Journal of Neurosurgery: Focus Video*. 2021; 4(2).
7. DeCoster R, Lynch E, **Bonaroti A**, Webster J, Butterfield T, Evers B, Vasconez H, Clemens M. Breast Implant-Associated Anaplastic Large Cell Lymphoma: An Evidence-Based Systematic Review. *Annals of Surgery*. 2021; 273(3). PMID: 33234792.

8. Decoster R, Clemens M, Napoli A, Lynch E, **Bonaroti A**, Rinker B, Butterfield T, Vasconez H. Cellular and Molecular Mechanisms of Breast Implant-Associated Anaplastic Large Cell Lymphoma. *Plastic and Reconstructive Surgery*. 2021; 147(1):30e-41e. PMID: 33370049.
9. DeCoster R, Lynch E, **Bonaroti A**, Miranda R, Hunt K, Clemens M. Breast Implant-Associated Anaplastic Large Cell Lymphoma: Defining Future Research Priorities. *Clinics of Plastic Surgery*. 2021; 48(1): 33-43. PMID: 33220903.
10. Zhao M, Mazdeyasna S, Huang C, Agochukwu-Nwubah N, **Bonaroti A**, Wong L, Yu G. Noncontact Speckle Contrast Diffuse Correlation Tomography of Blood Flow Distributions in Burn Wounds: A Preliminary Study. *Mil Med*. 2020; 185(Suppl 1): 82-87.
11. **Bonaroti A**, Edmunds R, DeCoster R, Liao J, Sekela M, Vasconez H. Cardioplastic Approach to Omental Flap Coverage for Severe Aortic Root Infections in the Opioid Era. *Plastic and Reconstructive Surgery Global Open*. 2020; 8(10): e3197. PMID: 33173700.
12. **Bonaroti A**, Wong L, Duggal A. Distal Pediatric Thumb Revascularization: Two Case Reports of Knife Lacerations. *Hand and Microsurgery*. 2020; 9(2): 93-97.
13. Yun D, **Bonaroti A**, Lin K. Ledderhose Disease with Concomitant Presence of Dupuytren Contracture: A Case Report and Review of the Literature. *Plastic Surgery Case Studies*. 2020; 6: 1-3.
14. **Bonaroti A**, DeCoster RC, Mazdeyasna S, Huang C, Yu G, Wong L. The Role of Intraoperative Laser Speckle Imaging in Reducing Postoperative Complications in Breast Reconstruction. *Plastic and Reconstructive Surgery*. 2019; 144(5): 933e-934e. PMID: 31425417.
15. Zhao M, Mazdeyasna S, Huang C, Agochukwu N, **Bonaroti A**, Wong L, Yu G. Noncontact Speckle Contrast Diffuse Correlation Tomography of Blood Flow Distribution in Burn Wounds: A Preliminary Study. *MHSRS Supplement to the Journal of Military Medicine*. 2019; usz233.
16. Mazdeyasna S, Huang C, Zhao M, **Bonaroti A**, Saatman K, Chen L, Jawdeh E, Bada H, Miller B, Wong L, Yu G. Noninvasive Noncontact 3D Optical Imaging of Blood Flow Distributions in Animals and Humans. *IEEE International Symposium on Signal Processing and Information Technology (ISSPIT)*. 2018; 441-416.
17. Agochukwu N, **Bonaroti A**, Beck S, Liao J. Laparoscopic Harvest of the Rectus Abdominis for Perineal Reconstruction. *Plastic and Reconstructive Surgery Global Open*. 2017; 5(11): e1581. PMID: 29263976.
18. Erdman MK, **Bonaroti A**, Provenzano G, Appelbaum R, Browne M. Street Smarts and a Scalpel: Emotional Intelligence in Surgical Education. *Journal of Surgical Education*. 2017; 74(2): 277-285. PMID: 27856295.
19. **Bonaroti A**, Boyev KP. A General Survey of Telesurgical Advances in Otolaryngology. *Technology and Innovation*. 2015; 17(1-2): 49-59.

20. Griswold S, **Bonaroti A**, Rieder C, Erbayri J, Parsons J, Nocera R, Hamilton R. Investigation of a safety-engineered device to prevent needlestick injury: why has not StatLock stuck? *BMJ Open*. 2013; 3(4): e002327. PMID: 23616435.

ABSTRACTS

1. Lynch E, **Paranzino AB**, Howell C. From Surgeon Discretion to Decision: Utilization of an Objective Clinical Decision Tool Predicts Risk-Stratified Benefit of Retrorectus Mesh Reinforcement After Abdominal Free-Flap Breast Reconstruction. Southeastern Society of Plastic and Reconstructive Surgeons: Glancy Competition. June 2026. Marco Island, FL.
2. Lynch E, **Paranzino AB**, Howell C. From Surgeon Discretion to Decision: Utilization of an Objective Clinical Decision Tool Predicts Risk-Stratified Benefit of Retrorectus Mesh Reinforcement After Abdominal Free-Flap Breast Reconstruction. American Society of Reconstructive Microsurgery. January 2026. Chula Vista, CA.
3. Lynch E, **Paranzino AB**, Howell C. Retrorectus Mesh Reinforcement Significantly Reduces Abdominal Bulge After Autologous Breast Reconstruction. Kentucky Society of Plastic Surgeons. August 2025. Louisville, KY. *Resident Research Award*
4. Howard K, Minor G, **Paranzino AB**. Diagnostic and Management Challenges of Chest Wall Mass Following Implant-Based Breast Reconstruction: A Case Report. AOA Research Day. March 2025. Lexington, KY.
5. Anderson M, **Paranzino A**, Palmer S, Silva A. Preoperative Patient Factors and BREAST-Q Score Predictors for Decision-Making in Women Who Undergo Mastectomy with Immediate Reconstruction and Opt for Implant Versus Abdominal-Based Free Flap Reconstruction. American Society of Plastic Surgeons. September 2024. San Diego, CA. *Top 70 Resident Abstract*.
6. Henry M, **Paranzino A**, Bourne D. Diversity in Hand Surgery Leadership: The Impact of Mentorship and Bias. American Society of Plastic Surgeons. October 2022. Boston, MA.
7. Henry M, **Paranzino A**, Bourne D. Diversity in Hand Surgery Leadership: The Impact of Mentorship and Bias. Southeastern Society of Plastic and Reconstructive Surgeons. June 2022. Orlando, FL.
8. **Paranzino A**, Henry M, Bourne D. Diversity in Hand Surgery Leadership. Kentucky Society of Plastic Surgeons. April 2022. Louisville, KY.
9. **Paranzino A**, Landy D, Silva A. Epidemiology of Contemporary Surgical Management of Osteoradionecrosis of the Mandible: A National Inpatient Sample Study. Virtual Poster Presentation. American Society for Reconstructive Microsurgery. January 2022.
10. **Bonaroti A**, Chen W, Bacas E, Han N, Kiesling S, Wong L, Bourne D. Implicit Bias in Letters of Recommendation for Plastic Surgery Residency Applicants. Virtual Oral Presentation. American Society of Plastic Surgeons. October 2021.

11. **Bonaroti A**, Chen W, Bacas E, Han N, Kiesling S, Wong L, Bourne D. Implicit Bias in Letters of Recommendation for Plastic Surgery Residency Applicants. Poster Presentation. Southeastern Society of Plastic Surgeons. June 2021. Hilton Head, SC.
12. Bourne D, **Bonaroti A**, Brisbin A, Davenport D, Shetty S, Baratz M. Leadership in Hand Surgery. Poster Presentation. Southeastern Society of Plastic Surgeons. June 2021. Hilton Head, SC.
13. **Bonaroti A**, Chen W, Bacas E, Han N, Kiesling S, Wong L, Bourne D. Implicit Bias in Letters of Recommendation for Plastic Surgery Residency Applicants. Virtual Oral Presentation. American Council of Academic Plastic Surgeons. February 2021.
14. **Bonaroti A**, Zhao M, Mazdeyasna S, Yu G, Wong L. Noninvasive 3D Optical Imaging of Blood Flood Distributions for Assessment of Tissue Perfusion. Virtual Poster Presentation. American Society for Reconstructive Microsurgery. January 2021.
15. Bourne D, **Bonaroti A**, Brisbin A, Davenport D, Shetty S, Baratz M. Leadership in Hand Surgery. Virtual Poster Presentation. American Association for Hand Surgery. January 2021.
16. **Bonaroti A**, Edmunds R, DeCoster R, Liao J, Sekela M, Vasconez H. A Combined Cardioplastic Approach to Omental Flap Coverage for Severe Aortic Root Infections in the Opioid Era. Virtual Oral Presentation. American Society of Plastic Surgeons. October 2020.
17. Lynch E, DeCoster R, Vyas K, **Bonaroti A**, Rinker B, Vasconez H, Clemens M. Current Risk of Breast Implant-Associated Anaplastic Large Cell Lymphoma: A Systematic Review of Epidemiologic Studies. Virtual Oral Presentation. Southeastern Society of Plastic and Reconstructive Surgeons. June 2020. *SESPRS Top 10 Abstract Award*.
18. **Bonaroti A**, Edmunds R, DeCoster R, Liao J, Sekela M, Vasconez H. A Combined Cardioplastic Approach to Omental Flap Coverage for Severe Aortic Root Infections in the Opioid Era. Virtual Poster Presentation. Southeastern Society of Plastic and Reconstructive Surgeons. June 2020.
19. **Bonaroti A**, Zhao M, Mazdeyasna S, Yu G, Wong L. Noninvasive 3D Optical Imaging of Blood Flood Distributions in Mastectomy Skin Flaps. Oral Presentation. Kentucky Society of Plastic Surgeons. October 2019. Louisville, KY. *Resident Research Competition Award*.
20. Mazdeyasna S, **Bonaroti A**, Huang C, Zhao M, Mohtasebi M, Liu X, Wong L, Yu G. Noninvasive 3D Optical Imaging of Blood Flood Distributions in Mastectomy Skin Flaps. Oral Presentation. The Biomedical Engineering Society. October 2019. Philadelphia, PA.
21. **Bonaroti A**, Zhao M, Mazdeyasna S, Yu G, Wong L. Noninvasive 3D Optical Imaging of Blood Flood Distributions in Mastectomy Skin Flaps. Oral Presentation. American Society of Plastic Surgeons. September 2019. San Diego, CA.
22. Mazdeyasna S, Huang C, Zhao M, **Bonaroti A**, Wong L, Yu G. Noninvasive 3D Optical Imaging of Blood Flood Distributions in Mastectomy Skin Flaps. Poster Presentation. University of Kentucky

Cancer and Metabolism Symposium. July 2019. Lexington, KY.

23. Mazdeyasna S, Huang C, Zhao M, **Bonaroti A**, Wong L, Yu G. Noninvasive 3D Optical Imaging of Blood Flow Distributions in Mastectomy Skin Flaps. Poster Presentation. Markey Cancer Center Research Day. May 2019. Lexington, KY.
24. Mazdeyasna S, Huang C, Zhao M, Mohtasebi M, **Bonaroti A**, Wong L, Yu G. Noncontact 2D and 3D Diffuse Optical Imaging of Tissue Blood Flow Distributions. Oral Presentation. Center for Clinical and Translational Science Spring Conference. April 2019. Lexington, KY.
25. Mazdeyasna S, Huang C, Zhao M, **Bonaroti A**, Saatman K, Chen L, Jawdeh E, Bada H, Miller B, Wong L, Yu G. Noninvasive Noncontact 3D Optical Imaging of Blood Flow Distributions in Animals and Humans. Poster Presentation. IEEE International Symposium on Signal Processing and Information Technology. December 2018. Louisville, KY.
26. **Bonaroti A**, Zhao M, Huang C, Mazdeyasna S, Agochukwu N, Bahrani A, Chen L, Yu G, Wong L. Noncontact Speckle Contrast Diffuse Correlation Tomography of Tissue Blood Flow Distribution. Oral Presentation. Kentucky Society of Plastic Surgeons. September 2018. Louisville, KY. ***Resident Research Competition Award***
27. **Bonaroti A**, Zhao M, Huang C, Mazdeyasna S, Agochukwu N, Bahrani A, Chen L, Yu G, Wong L. Perioperative Optical Assessment of Blood Flow Variations in Soft Tissues. Poster Presentation. Military Health System Research Symposium. August 2018. Orlando, FL.

PRESENTATIONS

1. **Paranzino A**. Body Contouring After Massive Weight Loss. Kentucky Bariatric Institute Support Group. June 2025. Georgetown, KY.
2. **Paranzino A**. Advances in Facelift and Necklift Techniques. University of Kentucky Plastic Surgery Grand Rounds. January 2025. Lexington, KY.
3. **Paranzino A**. Board Certification Processes and Pearls. University of Kentucky Plastic Surgery Grand Rounds. February 2025. Lexington, KY.
4. **Paranzino A**. Body Contouring in the Massive Weight Loss Patient. Kentucky Bariatric Institute Support Group. May 2024. Georgetown, KY.
5. **Paranzino A**. Infertility in Female Surgeons. Association of Women Surgeons, University of Kentucky. March 2024. Lexington, KY.
6. **Paranzino A**. Introduction to Aesthetic Surgery. Plastic Surgery Interest Group, University of Kentucky. March 2024. Lexington, KY.

7. **Paranzino A.** Introduction to Body Contouring after Massive Weight Loss. Kentucky Bariatric Institute Support Group. October 2023. Georgetown, KY.
8. **Bonaroti A.** Historical Perspective and Current Trends in Otoplasty. Division of Plastic & Reconstructive Surgery Conference. Montefiore Medical Center. September 2015. New York, NY.
9. **Bonaroti A.** Historical Perspective and Current Trends in Otoplasty. Division of Plastic & Reconstructive Surgery Grand Rounds, University of Kentucky. July 2015. Lexington, KY.