Kateryna (Kathryn) Zelenova MD, MBA

Hand and Wrist Surgeon

kzelenova@txosa.com

Work History

08/26 – Current	Hand Surgeon at Texas Orthopedic and Spine Associates, Dallas TX Independent Contractor

Education

08/25 – 07/26	University of Miami/Jackson Memorial Hospital Expected 07/2026 Department of Orthopedics Hand Surgery Fellowship
2019 - 2025	University at Buffalo, The State University Of New York Jacob's School of Medicine and Biomedical Sciences General Surgery Internship/Residency
2021 - 2023	University at Buffalo, The State University Of New York School of Management Master of Business Administration
2018 - 2019	University at Buffalo, The State University Of New York Jacob's School of Medicine and Biomedical Sciences General Surgery Preliminary Internship
2011 - 2018	Medical University of Silesia Doctor of Medicine
2007 - 2011	University at Buffalo, The State University Of New York Bachelor of Science, Anthropology

Research Experience

Publications

Chen R, Raine B, Williams R, **Zelenova K,** Nagai M, Frey J, Loree T. Transfemoral Osseointegration: Surgical and Patient-Reported Outcomes for Lower Limb Reconstruction. Plast Reconstr Surg Glob Open. 2023 Oct 18;11(10 Suppl):95-96. doi: 10.1097/01.GOX.0000992380.96380.d4. PMCID: PMC10566775.

Zelenova K, Raine B, Chen R, Williams RE, Davis AE, Loree T, Burke M, Nagai M, Frey J. "Twelve Steps to Financial Freedom for Plastic Surgeons". Plast Reconstr Surg Glob Open. 2023 Jun 27;11(6):e4990. doi: 10.1097/GOX.0000000000004990. PMID: 37383477; PMCID: PMC10299776.

Lee S, Rahul, Lukan J, Boyko T, **Zelenova K**, Makled B, Parsey C, Norfleet J, De S. "A Deep Learning Model for Burn Depth Classification Using Ultrasound Imaging." J Mech Behav Biomed Mater. 2022 Jan;125:104930. doi: 10.1016/j.jmbbm.2021.104930. Epub 2021 Oct 29. PMID: 34781225.

Abstracts

Raine B, **Zelenova K,** Chen R, Williams Re, Davis Ae, Loree T, Burke M, Nagai M, Frey J. The Risk of Pre-Operative Covid-19 Infection on Microvascular Free-Flap Viability. Northeastern Society of Plastic Surgeon 2022, Newport Beach, Rhode Island. September 2022.

Zelenova K, Raine B, Chen R, Williams Re, Davis Ae, Loree T, Burke M, Nagai M, Frey J. Twelve Steps to Financial Freedom for Plastic Surgeons. Jacobs School of Medicine and Biomedical Sciences. Research Day. University at Buffalo, Buffalo, New York. June 3, 2022.

Presentations

The ACS NS-QIP Risk Calculator as a Predictor for Post-Operative Complications in Microsurgery.
ASPS Plastic Surgery the Meeting 2023, Austin, Texas. Scheduled October 2023.

Transfemoral Osseointegration: Surgical and Patient Reported Outcomes for Lower Limb Reconstruction.
ASPS Plastic Surgery the Meeting 2023, Austin, Texas. Scheduled October 2023.

Immersive Virtual Reality First-Person Perspective Video for Surgical Education: Pectoralis Major Muscle Flap Reconstruction. ASPS Plastic Surgery the Meeting 2023, Austin, Texas. Scheduled October 2023.

The Performance of ChatGPT on the Plastic Surgery In-Service Examination.
ASPS Plastic Surgery the Meeting 2023, Austin, Texas. Scheduled October 2023

Effectiveness of a Six-Week Summer Research Program on Preclinical Student Understanding and Interest in Plastic and Reconstructive Surgery.
ASPS Plastic Surgery the Meeting 2023, Austin, Texas. Scheduled October 2023

General Surgery Grand Rounds: Ukraine: The Surgeon's Perspective. University at Buffalo, Buffalo, New York, April 2023.
Global Health Grand Rounds: Ukraine: The Surgeon's Perspective.
University at Buffalo, Buffalo, New York, April 2023.

Free Flap Salvage Influenced by Timing of Take Back.
ASPS Plastic Surgery the Meeting 2022, Boston, Massachusetts. October 2022.

The Risk of Pre-Operative Covid-19 Infection on Microvascular Free-Flap Viability.
ASPS Plastic Surgery the Meeting 2022, Boston, Massachusetts. October 2022.

Volunteer Experience

Summer 2023	**New York State Mentorship Program** Mentored at-risk youth on a weekly basis, fostering personal growth and resilience. Assisted youth with goal-setting, career counseling, and emotional support, empowering them to achieve personal and professional success.
July 2023	**Jacobs School of Medicine and Biomedical Sciences** **Plastic and Reconstructive Surgery Summer Research Program** Introduced first year medical students to essential research skills.
Apr 202	**Jacobs School of Medicine and Biomedical Sciences** **Drome STEM Competition** Laparoscopic Skill Station Instructor Coached high school students in developing gross and fine motor skills to emulate surgical techniques and build self-confidence and inspire future STEM learning.
Nov 2022	**St Luke's Mission of Mercy** Provided motivational presentation to fifth grade students about pursuing a career in medicine.
July 2022	**Jacobs School of Medicine and Biomedical Sciences** **Plastic and Reconstructive Surgery Summer Research Program** Introduced first year medical students to essential research skills.
2019 – 2022	**Jacobs School of Medicine and Biomedical Sciences- Suture Clinic** Taught suturing techniques to medical students.
Sep 2016	**Kingsbrook Jewish Medical Center** Employee Appreciation Day Organized children's games for the event.
2012 – 2013	**Medical University of Silesia English Division Committee** Event and Activity Coordinator Demonstrated leadership skills by organizing fundraising events for MUS English Division.

Licensure and Certification

- Board Certification: ABS Board Eligible
- State Medical License(s): New York; Texas
- NPI Number: #1114424231
- ACLS and BLS certified

Professional Affiliations

- American Society for Surgery of the Hand (ASSH)
- American College of Surgeons (ACS)
- Association of Women Surgeons

Reference

Available upon request