

Ming-Huei Cheng, M.D., M.B.A., F.A.C.S.

April 16, 2024

- **Degree, Position, and Societies**

Dr. Ming-Huei Cheng completed his General Surgery and Plastic Surgery residency training at Chang Gung Memorial Hospital, Taipei, Taiwan, in 1997 and finished a combined microsurgical and research fellowship at the Department of Plastic Surgery, MD Anderson Cancer Center, Houston, Texas, in 1999. He has been a member of the American Society for Reconstructive Microsurgery since 2003 and an international member of the American Society of Plastic Surgeons since 2009. He was promoted to a Full Professor at the Department of Plastic and Reconstructive Surgery, Chang Gung Memorial Hospital, in 2011. He has been an Adjunct Professor at the Division of Plastic Surgery, the University of Michigan, Ann Arbor, MI., since 2017. He was appointed as the Secretary-General of the World Society for Reconstructive Microsurgery in June 2022. He retired from Chang Gung Memorial Hospital and established his private clinic: A+ Surgery Clinic, specializing in lymphedema microsurgery and microsurgical breast reconstruction in Taipei in April 2023 (www.aplussurgery.com).

- **Clinical Works**

Dr. Cheng initiated his distinguished career in reconstructive microsurgery, specializing initially in extremity and head and neck reconstruction, later expanding to breast reconstruction and lymphedema microsurgery. Globally recognized, he is a highly sought-after figure in reconstructive microsurgery. With a portfolio exceeding 2,500 cases, Dr. Cheng has demonstrated unparalleled expertise in head and neck reconstructions, right hepatic artery anastomoses for living-donor liver transplantation, breast reconstructions, extracranial-intracranial bypasses, and lymphovenous bypasses (98.5% patency rate in 64 cases). Additionally, his proficiency in vascularized lymph node transfer boasts an impressive 98% success rate. Since 2000, Dr. Cheng has pioneered innovative techniques, such as distal recipient site utilization for vascularized lymph node flap transfer and the groundbreaking vascularized submental lymph node flap transfer for extremity lymphedema. His clinical research on the mechanisms of vascularized lymph node transfer has led to the development of a new severity classification for Lymphedema Grading in *Annals Surgical Oncology* (2015) and a novel Taiwan

Lymphoscintigraphy Staging system in *Annals of Surgery* (2018). Dr. Cheng's unique and innovative techniques stand as some of the most effective treatments for lymphedema.

- **Research, Publications, and Patents**

Dr. Cheng's impactful research career includes 22 projects from the Ministry of Science and Technology, 39 projects from Chang Gung Memorial Hospital, and leadership at the Center for Tissue Engineering since 2014. His extensive publications comprise 270 peer-reviewed papers and 42 book chapters, including the chapter "Lymphedema: Diagnosis and Treatment" in "Grabb and Smith's Plastic Surgery 8th edition" (Wolters Kluwer, 2020). He is one of the Editors-in-Chief in the textbook "Principles and Practice of Lymphedema Surgery", first, second and Spanish editions. Dr. Cheng's scholarly impact is reflected in 11,812 citations, an h-index of 56, and an i10-index of 190 on Google Scholar as of April 16, 2024 (<https://scholar.google.com/citations?user=KtfcDvcAAAAJ&hl=en>). His inventive contributions extend to 17 national intellectual patents in Taiwan and three intellectual patents in the United States.

- **Teaching, Visiting Professorships, and Editor of Peer-Review Journals**

Dr. Cheng, a preeminent expert in international reconstructive microsurgery, is frequently invited to prestigious conferences for lectures and panels. Hosting annual microsurgery courses since 2010 and the super microsurgery course since 2017, he has trained 107 residents and 125 international fellows, receiving 1026 international visitors in the past 20 years. Noteworthy successes include mentees who, under his guidance, have become professors, employing advanced techniques like the vascularized lymph node transfer for breast cancer-related lymphedema. Dr. Cheng's influence extends globally through 31 visiting professorships at renowned institutes, including Harvard Medical School and Mayo Clinic. He plays pivotal roles as Reconstruction Section Editor at *Annals of Surgical Oncology* and co-Section (Reconstruction) Editor at *Journal of Surgical Oncology*. Additionally, he has served as an editor for journals like *Annals of Surgical Oncology*, *Journal of Surgical Oncology*, *Plastic and Reconstructive Surgery*, *Plastic and Reconstructive Surgery Global Open*, *Microsurgery*, and *Annals of Plastic Surgery*. Dr. Cheng's ongoing contributions actively shape and disseminate knowledge in reconstructive surgery.

- **Host International Conferences**

Dr. Cheng has been a driving force in fostering collaboration between the Taiwan Society of Plastic Surgery (TSPS) and the American Society of Plastic Surgeons (ASPS). His visionary approach aims to provide learning opportunities for junior doctors and surgeons in Taiwan while connecting them with the global medical society through an alliance with ASPS. In 2009, he initiated and hosted the inaugural Asian Symposium for Breast Plastic and Reconstructive Surgery, advocating for breast reconstruction and facilitating the exchange of advanced surgical techniques and knowledge for treating breast cancer patients in Asian countries. This impactful conference has been held consecutively for 11 years. Additionally, Dr. Cheng took a leading role in hosting and co-chairing the World Symposium on Lymphedema Surgery at Chang Gung Memorial Hospital in 2013, 2016, and 2019. This annual gathering brings together the world's foremost lymphedema experts, providing a platform to present their expertise and engage in discussions on various surgical procedures and challenges in treating lymphedema.

- **Websites and Patient Support Group**

In 2001, Dr. Cheng initiated the breast reconstruction website <http://www.nicebreast.com.tw>, dedicated to educating the public on breast cancer and reconstruction. The following year, he founded the inaugural breast reconstruction patient support group, contributing to breast cancer awareness in Taiwan and neighboring Asian countries. Collaborating with Avon Company, he organized annual fundraising events, offering financial aid to over 450 patients undergoing breast reconstruction. In 2019, Dr. Cheng launched the lymphedema website <https://lymphedemamicrosurgery.com/>, attracting over 300,000 visits and sharing the latest microsurgical techniques, results, and research on lymphedema diagnosis and treatments. His continued commitment to patient support expanded in 2023 with the launch of the breast reconstruction website <https://www.diepflapbreast.com>.

- **Awards and Honors**

Dr. Cheng's notable recognitions include the 2006 Godina Travel Fellow of the American Society for Reconstructive Microsurgery and the 2008 Outstanding Alumnus of Chung Shun Medical University. He received the Distinguished Alumni Award from Chang Gung University in 2013 and was named the Zamboni Visiting Professor by the American Society

for Reconstructive Microsurgery in 2016. Notable awards include the First Place Award at the National Innovation Competition in 2019 and a Silver Medal at the Symbol of National Quality Competition in 2020 for his Center of Lymphedema team. Dr. Cheng's global impact is highlighted by his consistent top 2% ranking among 8 million scientists from 2021 to 2023, as recognized by Stanford University, Elsevier, and SciTech Strategies. In 2022, he received the 15th Annual (100th Anniversary) Distinguished Alumni Award from Tainan First High School.