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Date of Birth October 24, 1977
Specialties Plastic and reconstructive surgery; Microsurgery
Current Position Attending Doctor, Department of Traumatology, National Taiwan University Hospital (NTUH), Taipei, Taiwan

Contact Information

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Education

Pharm.D., School of Pharmacy, National Taiwan University, Taipei, Taiwan	1996–2000
M.D., Post Baccalaureate Medicine, Kaohsiung Medical University, Kaohsiung, Taiwan	2003–2008
Ph.D., Graduate Institute of Toxicology, National Taiwan University College of Medicine, Taipei, Taiwan	2014–2021

Professional Experiences

Resident, Department of Surgery, National Taiwan University Hospital, Taipei, Taiwan	2008–2013
Chief Resident, Division of Plastic Surgery, Department of Surgery, National Taiwan University Hospital, Taipei, Taiwan	2013–2014
Attending Doctor, Department of Surgery, National Taiwan University Hospital, Yunlin branch, Yunlin, Taiwan	2014–2015
Attending Doctor, Department of Surgery, National Taiwan University Hospital, Hsinchu branch, Hsinchu, Taiwan	2015–2019
Visiting Fellow, Department of Plastic and Reconstructive Surgery, China Medical University Hospital, Taichung, Taiwan	2018–2018
Attending Doctor, Department of Traumatology, National Taiwan University Hospital, Taipei, Taiwan	2020–Present
Vice-Secretary, Taiwan Society for Reconstructive Microsurgery	2022–2024

Director, Taiwan Society for Reconstructive Microsurgery	2025–Present
Clinical Fellow, Department of Plastic Surgery, Seoul Asan Medical Center, South Korea	2024-2025
Clinical Assistant Professor, National Taiwan University, School of Medicine, Surgery	2026—Present

Selected Publications

1. Lin YS, Liu CJ, Kuan CH, **Chao SC**. Rethinking Early-Stage Lymphedema: Severe Fat Accumulation Despite Early Lymphoscintigraphy Findings. *Plast Reconstr Surg*. 2026 Jun 15. doi: 10.1097/PRS.00000000000013266.
2. **Chao SC**, JP Hong. *Supermicrosurgery in Diabetic Foot Management. Lower Extremity Reconstruction: From Simple to Complex*, 457. ISBN-13: 978-3032127525
3. Lee HY, Wang CY, Chang TJ, Chao CC, Hsieh ST, Cheng NC, **Chao SC**. Lymphovenous Bypass as an Adjunct to Standard Care for Diabetic Peripheral Neuropathy: Protocol for a Randomized Assessor-Blinded Superiority Trial. *JMIR Res Protoc*. 2026 Jun 8;15:e84826. doi: 10.2196/84826.
4. Kim TH, Kwon JG, **Jimmy Chao SC**, Kim JW, John Pak CS, Peter Suh HS, Lim JS, Hong JP. Structural and Vascular Alterations of Deep Cervical Lymph Nodes in Amyloid PET-Positive Alzheimer's Disease Patients. *Cereb Circ Cogn Behav*. 2026 Feb 18;10:100533. doi: 10.1016/j.cccb.2026.100533.
5. Huang SC, Yeh YS, Chen WH, Kuan CH, Cheng NC, **Chao SC**. Optimizing Perforator-Based Propeller Flap Design for Distal Leg, Ankle and Hindfoot Reconstruction: A Systematic Review and Meta-Analysis. *Plast Reconstr Surg*. 2026 Feb 26. doi: 10.1097/PRS.00000000000012993. Online ahead of print.
6. Chan YC, **Chao SC**, Tai HC. Improved Contour Symmetry in Complex Mandibular Reconstruction Using Virtual Surgical Planning. *Asian J Surg*. 2026. doi.org/10.1016/j.asjsur.2026.02.082
7. Kim TH, **Jimmy Chao SC**, Kwon JG, John Pak CS, Peter Suh HS, Hong JP. Refining Surgical Precision: The Impact of Color Doppler Ultrasound-Guided Perforator Mapping on Anterolateral Thigh Flap for Oncologic Patients. *J Reconstr Microsurg*. 2025 Dec 8. doi: 10.1055/a-2751-8691. Online ahead of print.
8. Xie Q, Pak CJ, Kwon J, **Chao SC**, Hong JP. Potential Role of Lymphovenous Bypass in Mitigating Alzheimer's Disease Dementia. *Arch Plast Surg*. 2025 Jul 23;52(4):247-252.
9. John Pak CS, **Jimmy Chao SC**, Kim TH, Kwon JG, Peter Suh HS, Hong JP. Functional Lower Limb Salvage. *Plast Reconstr Surg*. 2025 Apr 1;155(4):821e-833e.
10. **Chao SC**, Kuan CH, Huang CH, Lin YS, Huang HF, Hsieh JS, Horng SY, Tai HC, Cheng NC. The Association between Cervical Lymph Node Dissection and Dementia: A Retrospective Analysis. *J Plast Reconstr Aesthet Surg*. 2024 Dec;99:584-591.
11. Lee HY, **Chao SC**. Upper Extremity Reconstruction Post-Tumor Resection: Innovations and Challenges in Limb Preservation for Advanced-Stage Malignant Giant Cell Tumor of Bone. *International Microsurgery Journal*. 2024;8(2):2
12. **Chao SC**, Kuan CH, Lin YS, Tai HC, Cheng NC. Lymphovenous Bypass (LVB) as an Alternative Strategy for Managing Phleboedema and Venous Leg Ulcers: Preliminary Results. *Plast Reconstr Surg Glob Open*. 2024 Aug 15;12(8):e6064.

13. Kao YS, **Chao SC**. Intraoperative Near-Infrared Fluorescence Guided Surgery Using Indocyanine Green (ICG) for the Surgical Margin Assessment in Scalp Angiosarcoma Resection Followed by Artificial Dermal Substitute Reconstruction – A Case Report and Literature Review. *J Taiwan Soc of Plast Surg*. 2024;33(4):447-460.
14. Wu YS, Wang TY, Horng SY, Tai HC, Hsieh JH, Cheng NC, **Chao SC**, Kuan CH. Free Fibula Osteocutaneous Flap with Split Skin Paddles for Composite Head and Neck Defect Reconstruction-A Case Report and Literature Review *J Taiwan Soc of Plast Surg*. 2023;32(4):425-435.
15. Lee TN, Chiang, CH, **Chao SC**. Fluids under the skin, can you feel them? *Emerg Med J*. 2021 Dec;38(12):900-940. doi: 10.1136/emermed-2020-210403.
16. Juan CK, **Chao SC***, Yang WS, Cheng NC, Tai HC, Yeong EK. Necrotizing Fasciitis of Abdominal Wall in a Super Obese Patient-A Case Report and Literature Review. *J Taiwan Soc of Plast Surg*. 2021;30:193-201.

Bibliography

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Dr. Sung-Chuan Chao, a board-certified plastic surgeon in Taiwan, specializes in microsurgical reconstruction, focusing on head and neck, torso, lower extremity, and lymphedema. He graduated from Kaohsiung Medical University's Post-Baccalaureate Medicine School and completed his plastic surgery training at National Taiwan University Hospital, where he continues to serve. Dr. Chao's research, stemming from his Ph.D. from the Graduate Institute of Toxicology in Taipei, focuses on innovative treatments for chondrosarcoma. His work includes publications on complex oncological reconstructions, lymphovenous bypass for venous leg ulcers, and exploring the relationship between lymphatics and brain health. To further his clinical skills and research, he has been a visiting fellow under Professor Hung-Chi Chen at China Medical University Hospital (CMUH) in Taiwan and a clinical fellow under Professor Joon Pio Hong at Seoul Asan Medical Center (AMC) in South Korea and he won the KS Koh award during AMC fellowship.