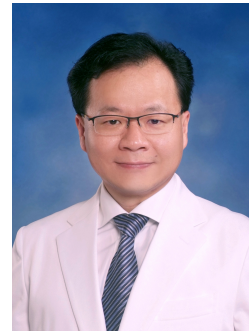


**Curriculum Vitae**  
**BIOGRAPHICAL**

**Yang, Johnson Chia-Shen**  
**M.D., Ph.D., F.A.C.S.**



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Current position	Director, International Supermicrosurgery Lymphedema Center Professor and Chair, Plastic and Reconstructive Surgery, Kaohsiung Chang Gung Memorial Hospital, Kaohsiung Taiwan Council members, Taiwan Society of Reconstructive Microsurgery (TSRM) Deputy secretary, Taiwan Society of Plastic and Reconstructive Surgery (TSPRS) President and Founder, Taiwan Lymphedema Non-Profit Organization
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**Education**

**Degree Received and Institution**

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1983-1986	David Cougar Jordan Junior High School, Burbank, California, USA
1986-1989	John Burroughs High School, Burbank, California, USA
1989-1993	B.Sc., Biochemistry, University of Ottawa, Ontario, Canada
1993-1994	Microbiology, McGill University, Quebec, Canada
1994-2001	M.D., China Medical University, Taichung, Taiwan
2009-2022	Ph.D., Graduate Institute of Clinical Medical Sciences, Chang Gung University, Linkou, Taiwan

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**Post-graduate Training**

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December 2001~2007	Resident training, Plastic and Reconstructive Surgery: Kaohsiung Chang Gung Memorial Hospital (KCGMH), Kaohsiung, Taiwan
March - August 2015	Clinical fellow – Supermicrosurgery under Professor Isao Koshima, Tokyo University Hospital, Tokyo, Japan

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**Publications (Lymphedema-related)**

**International Journal of Surgery (IJS, IF 15.3, Surgery 2/212, 0.9%)**

1. Po-Lun Tsai, Shao-Chun Wu, Wei-Che Lin, Daisuke Mito, Min-Hsien Chiang, Ching-Hua Hsieh, Johnson Chia-Shen Yang\*. **Determining Factors in Relation to Lymphovascular Characteristics and Anastomotic Configuration in Supermicrosurgical Lymphatico-venous Anastomosis - A retrospective cohort study.** Intern J Surg. 2020 Jul 30;81:39-46.
2. Johnson Chia-Shen Yang, Akitatsu Hayashi, Giuseppe Visconti, Shao-Chun Wu, Wei-Che Lin, Pei-Yu Tsai, Peng-Chen Chien, Ching-Hua Hsieh. **Impact of retrograde anastomosis during supermicrosurgical lymphaticovenous anastomosis for cancer-related lower limb lymphedema: A retrospective cohort propensity-score-matched outcome analysis.** Int J Surg. 2022 Aug;104:106720. doi: 10.1016/j.ijvsu.2022.106720.
3. Martin Knoz, Yu-Ming Wang, Sheng-Dean Luo, Shao-Chun Wu, Wei-Che Lin, Pei-Yu Tsai, , Peng-Chen Chien, Ching-Hua Hsieh, Johnson Chia-Shen Yang. **Comparison of Contraction Type and Non-Contraction Type**

**Lymphatic Vessels in Lymphaticovenous Anastomosis for Cancer-Related Unilateral Lower Limb Lymphedema: A Retrospective Cohort Propensity-Score-Matched Outcome Analysis.** *Interna J Surg.* 2024 in production.

**Journal of American College of Surgeons (JACS, IF 5.2, Surgery 19/212, 9.0%)**

1. Johnson Chia-Shen Yang, Shao-Chun Wu, Wei-Che Lin, Min-Hsien Chiang, Pi-Ling Chiang, Ching-Hua Hsieh\*. **Supermicrosurgical Lymphaticovenous Anastomosis as an Alternative Treatment Option for Moderate-to-Severe Lower Limb Lymphedema.** *J Am Coll Surg.* 2020 Feb;230(2):216-227.
2. Johnson Chia-Shen Yang, Shao-Chun Wu, Yu-Ming Wang, Sheng-Dean Luo, Spencer Chia-Hao Kuo, Peng-Chen Chien, Pei-Yu Tsai, Ching-Hua Hsieh, \*Wei-Che Lin. **Effects of Lymphaticovenous Anastomosis on Muscle Edema, Limb and Subfascial Volumes in Lower Limb Lymphedema: Magnetic Resonance Imaging Studies.** *J Am Coll Surg.* 2022 Aug;235(2):1-13

**Plastic and Reconstructive Surgery (PRS, IF 3.6, Surgery 37/212, 17.5%)**

1. Johnson Chia-Shen Yang\*, Shao-Chun Wu, Min-Hsien Chiang, Wei-Che Lin. **Targeting Reflux-Free Veins with a Vein Visualizer to Identify the Ideal Recipient Vein Preoperatively for Optimal Lymphaticovenous Anastomosis in Treating Lymphedema.** *Plast Reconstr Surg* 2018 Mar;141(3):793-797.
2. Johnson Chia-Shen Yang, Yuan-Hao Yen, Shao-Chun Wu, Wei-Che Lin, Min-Hsien Chiang, Ching-Hua Hsieh\*. **Supermicrosurgical Lymphaticovenous Anastomosis as an Alternative Treatment Option for Patients with Lymphorrhea.** *Plast Reconstr Surg.* 2019 Nov;144(5):1214-1224.
3. Johnson Chia-Shen Yang, Shao-Chun Wu, Akitatsu Hayashi, Wei-Che Lin, Yu-Ming Wang, Sheng-Dean Luo, Min-Hsien Chiang, Ching-Hua Hsieh\*. **Selection of Optimal Functional Lymphatic Vessel Cut-off Size in Supermicrosurgical Lymphaticovenous Anastomosis in Lower Extremity Lymphedema.** *Plast Reconstr Surg.* 2022 Jan;149(1):237-246.
4. Daisuke Mito, Yu-Ming Wang, Shao-Chun Wu, Wei-Che Lin, Pei-Yu Tsai, Ching-Hua Hsieh, Johnson Chia-Shen Yang\*. **Utilization of Microscope-Integrated Near-Infrared Fluorescence (MINIRF) for Enhancing Deep Lymphatic Vessel Detection During Supermicrosurgical Lymphaticovenous Anastomosis - A longitudinal Cohort Study.** *Plast Reconstr Surg.* 2022 May 1;149(5):1227-1233.
5. **Letter.** Johnson Chia-Shen Yang. Reply: Ultrasound Technology in Targeting Reflux-Free Venules for Optimal Lymphaticovenular Anastomosis in the Treatment of Lymphedema. *Plast Reconstr Surg.* 2018 Dec;142(6):985e.
6. **Letter.** Johnson Chia-Shen Yang. Commentary to "Targeting Reflux-free Vein Using Indocyanine Green Dye Angiography". *Plast Reconstr Surg.* 2018 Aug; 142(5):801e.
7. **Letter.** Johnson Chia-Shen Yang. Reply to "Lymphedema Quality of Life Score (LeQOLiS): A Simple Method for Evaluation of Subjective Symptoms in Extremity Lymphedema Patients". *Plast Reconstr Surg.* 2018 Aug;142(5)806e.
8. Johnson Chia-Shen Yang. **Lymphatic-based Lymphosome: A Novel Hypothesis with Clinical Implication for Supermicrosurgical Lymphaticovenous Anastomosis.** *Plast Reconstr Surg Glob Open* 2023; 11:e5503; doi: [10.1097/GOX.0000000000005503](https://doi.org/10.1097/GOX.0000000000005503)

#### **Bioengineering (IF 5.046, Engineering, Biomedical, ranked 31/98, 31.6%)**

1. En-Bo Wu, Yu-Hsuan Lin, Johnson Chia-Shen Yang, Chiung-Wen Lai, Jo-Chi Chin, Shao-Chun Wu. **Density Spectral Array Enables Precise Sedation Control for Supermicrosurgical Lymphaticovenous Anastomosis: A Retrospective Observational Cohort Study.** *Bioengineering (Basel)*. 2023 Apr 21;10(4):494. doi: 10.3390/bioengineering10040494.

#### **Journal of Clinical Medicine (JCM, IF 3.9, Medicine, General & Internal 58/167, 34.7%)**

1. Johnson Chia-Shen Yang, Lien-Hung Huang, Shao-Chun Wu; Pao-Jen Kuo, Yi-Chan Wu, Chia-Jung Wu, Chia-Wei Lin, Pei-Yu Tsai, Ching-Hua Hsieh. **Lymphaticovenous Anastomosis Supermicrosurgery Decreases Oxidative Stress and Increases Antioxidant Capacity in the Serum of Lymphedema Patients.** *J. Clin. Med.* 2021, 10(7), 1540; <https://doi.org/10.3390/jcm10071540>
2. Johnson Chia-Shen Yang\*, Shao-Chun Wu, Akitatsu Hayashi, Wei-Che Lin, Gong-Kai Huang, Pei-Yu Tsai, Peng-Chen Chien, Ching-Hua Hsieh. **Lower Limb Lymphedema Patients Can Still Benefit from Supermicrosurgical Lymphaticovenous Anastomosis (LVA) after Vascularized Lymph Node Flap Transfer (VLNT) as Delayed Lymphatic Reconstruction—A Retrospective Cohort Study.** *J. Clin. Med.* 2021, 10(14), 3121; <https://doi.org/10.3390/jcm10143121>
3. Johnson Chia-Shen Yang, Yu-Ming Wang, Shao-Chun Wu, Wei-Che Lin, Peng-Chen Chien, Pei-Yu Tsai, Ching-Hua Hsieh, Sheng-Dean Luo\*. **Lymphaticovenous Anastomosis for Treating Secondary Lower Limb Lymphedema in Older Patients - A Retrospective Cohort Study.** *J Clin Med.* 2022 May 30;11(11):3089. doi: 10.3390/jcm11113089.

#### **Bioengineering (IF 4.6, Engineering, Biomedical, ranked 34/96, 35.4%)**

1. En-Bo Wu, Yu-Hsuan Lin, Johnson Chia-Shen Yang, Chiung-Wen Lai, Jo-Chi Chin, Shao-Chun Wu. **Density Spectral Array Enables Precise Sedation Control for Supermicrosurgical Lymphaticovenous Anastomosis: A Retrospective Observational Cohort Study.** *Bioengineering (Basel)*. 2023 Apr 21;10(4):494. doi: 10.3390/bioengineering10040494.

#### **Journal of Inflammation Research (IF 4.5, Immunology ranked 76/161, 47.2%)**

1. Johnson Chia-Shen Yang, Lien-Hung Huang, Shao-Chun Wu, Yi-Chan Wu, Chia-Jung Wu, Chia-Wei Lin, Pei-Yu Tsai, Peng-Chen Chien, Ching-Hua Hsieh. **Recovery of dysregulated genes in cancer-related lower limb lymphedema after supermicrosurgical lymphaticovenous anastomosis – a prospective longitudinal cohort study.** *J Inflamm Res* 2022;15 761-733.

#### **Journal of Plastic, Aesthetic, and Reconstructive Surgery (JPRAS, IF 2.7, Surgery 72/212, 34.0%)**

1. Johnson Chia-Shen Yang, Shao-Chun Wu, Wei-Che Lin, Min-Hsien Chiang, Ching-Hua Hsieh\*. **Reversing Venous-Lymphatic Reflux Following Side-to-End Lymphaticovenous Anastomosis with Ligation of the Proximal Lymphatic Vessel.** *J Plast Reconstr Aesthet Surg.* 2020 Aug 26;S1748-6815(20)30407-1

**Journal of Surgical Oncology (JSO, IF 2.5, Oncology 184/241, 76.3%)**

1. Johnson Chia-Shen Yang, Shao-Chun Wu, Min-Hsien Chiang, Wei-Che Lin, Ching-Hua Hsieh\*. **Intraoperative identification and definition of "functional" lymphatic collecting vessels for supermicrosurgical lymphaticovenous anastomosis in treating lymphedema patients.** J Surg Oncol. 2018 Apr;117(5):994-1000.
2. Johnson Chia-Shen Yang. Reply to "Intraoperative distal compression in supermicrosurgical lymphaticovenous anastomosis for lymphedema". J Surg Oncol. 2018 Jul;118(1):245.

**Visiting Professor:**

May 2017	Ludwigshafen, Germany	Heidelberg University hospital, BG Klinik
Aug. 2023	Vienna, Austria	Vienna university AKH hospital
Aug. 2023	Geneva, Switzerland	Geneva University Hospital (HUG)
Sep. 2023	Brno, Czech Republic	St. Anne's University Hospital, Masaryk University
Oct. 2023	Seoul, South Korea	Seoul national University Bundang Hospital

**Supermicrosurgical LVA Live Demonstration:**

Mar. 2017	Zurich, Switzerland	Zurich University Hospital
Aug. 2023	Vienna, Austria	Vienna university AKH hospital
Sep. 2023	Brno, Czech Republic	Masaryk University St. Anne's University Hospital
Oct. 2023	Seoul, South Korea	Seoul national University Bundang Hospital