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現職：

**高雄醫學大學附設醫院 整形外科主治醫師合聘
乳房外科**

**Staff, Division of Plastic Surgery/ Division of
Breast Oncology and Surgery, Department of
Surgery**

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Education and Training：

Ph.D. in Translational Medicine, Kaohsiung Medical University and Academia Sinica

高醫轉譯醫學博士中研院學程

M.S. Graduate Institute of Clinical Medicine, National Taiwan University

台大醫學臨床醫學研究所碩士

MD National Taiwan University

台灣大學醫學士

Experience：

2019-2022

Chief, Burn Center, Department of Surgery

高雄醫學大學附設醫院 燒傷中心主任

2018.08-2021.07

**Chief, Division of Cellular and Immune Therapy, Department of Medical Research,
Kaohsiung Medical University Hospital**

細胞及免疫治療室主任，醫研部，高雄醫學大學附設醫院

2014-08.2018

Department Chief

**Department of Plastic Surgery, Kaohsiung Municipal Ta-Tung Hospital, Kaohsiung Medical
University Hospital, Kaohsiung Medical University**

整形外科主任，高雄市立大同醫院 (委託高醫經營)

2008-2014 Kaohsiung Medical University Hospital, Kaohsiung Medical University

**2007-2008 Staff, Division of Plastic Surgery, Department of Surgery, Yun-Lin Branch of
National Taiwan University Hospital.**

整形外科主治醫師, 台大雲林分院

2006-2007 Chief Resident, Division of Plastic Surgery, Department of Surgery, National Taiwan University Hospital.

整形外科總住院醫師, 台大醫院

Honor & Award:

Annual Retreat of the Translational Medicine Degree Program Poster Award (2015)

最佳海報論文獎, 中研院轉譯醫學, 2015

Personal Clinical and Research Interests

Prosthetic breast reconstruction, rhinoplasty with autologous costal cartilage, metabolism of adipose-derived stem/stromal cell, cell therapy

乳房重建整形手術, 鼻整形重建手術, 脂肪幹細胞代謝, 細胞治療

期刊論文

1. A novel biodegradable magnesium skin staple: A safety and functional evaluation. Wu YC, Hsieh MW, Wang WT, Chang YH, Lee SS, Huang SH, Hou MF, Tseng CC, Kuo YR. *Asian J Surg.* 2024 Mar 2;S1015-9584(24)00360-9. doi: 10.1016/j.asjsur.2024.02.098.
2. Yi-Chia Wu, Wei-Ting Wang, Ming-Chun Yang, Yu-Tsun Su, Jwu-Lai Yeh, Jong-Hau Hsu, Jiunn-Ren Wu (2023, Dec). The novel roles of YULINK in the migration, proliferation and glycolysis of pulmonary arterial smooth muscle cells: implications for pulmonary arterial hypertension. *Biological Research*, 56(1):66. nstc 110-2314-B-650-005. 本人為第一作者.
3. Hsieh MW, Wang WT, Lin CY, Kuo YR, Lee SS, Hou MF, Wu YC. (2022, Aug). Stem Cell-Based Therapeutic Strategies in Diabetic Wound Healing.. *Biomedicines*, 2022;10:2085. 本人為第一作者、通訊作者.
4. Meng-Chien Willie Hsieh, Wei-Ting Wang, Jwu-Lai Yeh, Chuang-Yu Lin, Yur-Ren Kuo, Su-Shin Lee, Ming-Feng Hou, Yi-Chia Wu (2022, Jun). The Potential Application and Promising Role of Targeted Therapy in Pulmonary Arterial Hypertension. *Biomedicines*, 10(6):1415. 本人為通訊作者.
5. Rong-Fu Chen, Keng-Fan Liu, Su-Shin Lee, Shu-Hung Huang, Yi-Chia Wu, Yun-Nan Lin, Chun-Ting Wang and Yur-Ren Kuo (2021, Dec). Far-Infrared Therapy Accelerates Diabetic Wound Healing via Recruitment of Tissue Angiogenesis in a Full-Thickness Wound Healing Model in Rats. *Biomedicines*, <https://doi.org/10.3390/biomedicines9121922>.
6. Chao-Hsin Huang, Dar-Jen Hsieh, Yi-Chia Wu, Ko-Chung Yen, Periasamy Srinivasan, Hsiao-Chen Lee, Ying-Che Chen, and Su-Shin Lee (2021, Sep). Reconstruction of the orbital floor using supercritical CO2 decellularized porcine bone graft.. *International*

Journal of Medical Sciences, 18(16): 3684–3691.

7. Chao-Hsin Huang, Yur-Ren Kuo, Yi-Chia Wu, Hsiao-Chen Lee, Su-Shin Lee (2021, Sep). Modified Le Fort II approach of adequate vascularization preservation in midface allotransplantation: Mock surgery. *Asian Journal of Surgery*, <https://doi.org/10.1016/j.asjsur.2021.09.040>.
8. Lee SS, Wu YC, Huang SH, Chen YC, Srinivasan P, Hsieh DJ, Yeh YC, Lai YP, Lin YN (2021, Mar). A novel 3D histotypic cartilage construct engineered by supercritical carbon dioxide decellularized porcine nasal cartilage graft and chondrocytes exhibited chondrogenic capability in vitro. *Int J Med Sci*. 2021, 25;18(10):2217-2227. doi: 10.7150/ijms.56342. eCollection 2021.
9. Huang JY, Wang YY, Lo S, Tseng LM, Chen DR, Wu YC, Hou MF, Yuan SF (2019, Dec). Visfatin Mediates Malignant Behaviors through Adipose-Derived Stem Cells Intermediary in Breast Cancer. *Cancers (Basel)*. 2019 Dec 20;12(1). pii: E29. doi: 10.3390/cancers12010029.
10. Yi-Chia Wu, Ya-Chin Wang, Wei-Ting Wang, Hui-Min David Wang, Hsin-Hung Lin, Long-Jyun Su, Yur-Ren Kuo, Chung-Sheng Lai, Mei-Ling Ho and John Yu (2019, Aug). Fluorescent nanodiamonds enable long-term detection of human adipose-derived stem/stromal cells in an in vivo chondrogenesis model using decellularized extracellular matrices and fibrin glue polymer. *Polymers* 2019, 11, 1391; doi:10.3390/polym11091391
11. Yi-Chia Wu, Wei-Ting Wang, Su-Shin Lee, Yur-Ren Kuo, Ya-Chin Wang, Shih-Jung Yen, Mei-Yueh Lee*, and Jwu-Lai Yeh* (2019, July). Glucagon-like peptide-1 receptor agonist attenuates autophagy to ameliorate pulmonary arterial hypertension through Drp1/NOX and Atg-5/Atg-7/Beclin-1/LC3 pathways. *Int. J. Mol. Sci.* 2019, 20, 3435; doi:10.3390/ijms20143435
12. Yi-Chia Wu, Wei-Ting Wang, Li-Ju Huang, Ruo-You Cheng, Yur-Ren Kuo, Ming-Feng Hou, Chung-Sheng Lai, and John Yu* (2019, June). Differential response of non-cancerous and malignant breast cancer cells to conditioned medium of adipose tissue-derived stromal cells (ASCs) *Int. J. Med. Sci.* 16(6): 893-901. doi: 10.7150/ijms.27125
13. Wei-Ting Wang, Su-Shin Lee, Ya-Chin Wang, Ya-Wei Lai, Yur-Ren Kuo, Yueh-Bih Tang Chen, Yu-Sen Liu, Yi-Chia Wu* (2018, May). Impaired cutaneous T-cell attracting chemokine elevation and adipose-derived stromal cell migration in a high-glucose environment cause poor diabetic wound healing. *Kaohsiung Journal of Medical Sciences*, (2018)34, 539-546.
14. Yu-Wei Chang, Yi-Chia Wu, Shu-Hung Huang, Hui-Min David Wang, Yur-Ren Kuo, Su-Shin Lee (2018, May). Autologous and not allogeneic adipose-derived stem cells improve acute burn wound healing. *PLOS one*, 13(5): e0197744.
15. Hsieh MC, Wu YC, Huang SH, Kuo YR, Lee SS. (2018, Feb). A Single-Center, Randomized, Double-Blind, Placebo-Controlled Clinical Trial of the Effectiveness of ANT1 Soybean Extract Cream on Skin Recovery After Nd: YAG Laser Treatment. *Annals of Plastic Surgery*,

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16. Ching-Ming Chien, Yung-Wei Chen, Chien-Chang Chen, Yi-Chia Wu, Shu-Hung Huang, Su-Shin Lee, Cheng-Sheng Lai, Sin-Daw Lin, Ching-Jen Wang, Yur- Ren Kuo (2016, Jul). Adipose-Derived Stem Cell Modulation of T-Cell Regulation Correlates with Heme Oxgenase-1 Pathway Changes. *Plastic and Reconstructive Surgery*, Epub ahead of print.
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19. Chou C, Chen CW, Wu YC, Chen KK, Lee SS (2015, Oct). Refinement treatment of nasal bone fracture: A 6-year study of 329 patients. *Asian J Surg.*, 38(4):191-8.
20. Lai HT, Chen AD, Chang FS, Lai YW, Wang HM, Wu YC, Lee SS, Chang KP, Lai CS, Lin SD, Huang SH. (2015, Oct). A New Method for Non-Replantable Fingertip Amputation. *Plast Reconstr Surg.* , 136(4 Suppl):105-6.
21. Huang SH, Wu SH, Chang KP, Lin CH, Chang CH, Wu YC, Lee SS, Lin SD, Lai CS (2015, May). Alleviation of neuropathic scar pain using autologous fat grafting. *Ann Plast Surg.* , 74 Suppl 2:S99-104.
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24. Chen Y, Hwang SL, Chan VS, Chung NP, Wang SR, Li Z, Ma J, Lin CW, Hsieh YJ, Chang KP, Kung SS, Wu YC, Chu CW, Tai HT, Gao GF, Zheng B, Yokoyama KK, Austyn JM, Lin CL. (2013, Jan). Binding of HIV-1 gp120 to DC-SIGN Promotes ASK-1-dependent Activation-induced Apoptosis of Human Dendritic Cells. *PLoS Pathog*, 9(1): e1003100.