

## 7/15/2023 台灣手外科醫學會 CME

主題：風濕與自體免疫相關之手部疾患

地點：台大醫院 外科大講堂

主辦單位：台灣手外科醫學會

協辦單位：林口長庚整形外傷科

議程：

時間	主題	Speaker	Moderator
13:00~13:30	報到		
13:30~13:50	Gout and hand	林大鈞	林承弘系主任
13:50~14:10	Rheumatoid hand	郭曉芮	李哲雄醫師
14:10~14:25	Coffee break		
14:25~14:45	Connective tissue disorder associated hand diseases	魏豪毅	許聰政主任
14:45~15:05	Case discussions	陳思恒	林有德前理事長

# Curriculum Vitae



## 陳思恆 Chen/Shih-Heng

Attending Physician of Plastic Surgery Department  
Associate Professor of Chang Gung Memorial Hospital  
Assistant Professor of Chang Gung University

### **Education :**

July 1998 ~ June 2005  
National Taiwan University College of Medicine  
(No.1 Jen-Ai Rd Section 1, Taipei 100 Taiwan ROC )

### **Post-Graduate Education :**

August 2012 — August 2013  
Fellowship of hand and microsurgery  
Christine M. Kleinert Institute for Hand and Microsurgery  
(225 Abraham Flexner Way, Louisville, KY 40202, US)

August 2013 — August 2014  
Senior Fellowship of hand and microsurgery  
Christine M. Kleinert Institute for Hand and Microsurgery  
(225 Abraham Flexner Way, Louisville, KY 40202, US)

August 2016 --- January 2021  
PhD Program of Institute of Biomedical Engineering,  
College of Medicine and College of Engineering, National Taiwan University  
(No.1, Sec. 4, Roosevelt Road, Taipei, 10617 Taiwan ROC)

## **Employment Record :**

July 2004 — June 2005

Internship

National Taiwan University Hospital

(No. 7, Zhōngshān South Rd, Jhongjheng District, Taipei City 100, Taiwan)

July 2005 — June 2008

Residency of general surgery program

Surgery Department, National Taiwan University Hospital [L]  
[SEP]

July 2008 — June 2011

Residency of plastic surgery program

Division of Plastic Surgery, Surgery Department, National Taiwan University Hospital [L]  
[SEP]

July 2010 — June 2011

Administrative chief resident of Surgery Department, National Taiwan University Hospital

Chief resident of Plastic Surgery Division of Surgery Department, National Taiwan University Hospital

[L]  
[SEP]

July 2011 — June 2012

Visiting Staff

Plastic Surgery Division of Surgery Department, National Taiwan University Hospital Yunlin Branch

(No. 579, Section 2, Yúnlín Road, Douliou City, Yunlin County 640, Taiwan)

August 2012 — August 2014

Fellow of hand and microsurgery (August 2013---August 2014 Senior Fellowship)

Christine M. Kleinert Institute for Hand and Microsurgery

(225 Abraham Flexner Way, Louisville, KY 40202, US)

September 2014 — August 2016

Attending Physician

Division of Trauma Plastic Surgery, Department of Plastic & Reconstructive Surgery, Chang Gung Memorial Hospital

(5. Fu-Hsing St., Kueishan, Taoyuan 333, Taiwan)

September 2016 — July 2021

Assistant Professor

Division of Trauma Plastic Surgery, Department of Plastic & Reconstructive Surgery, Chang Gung Memorial Hospital

(5. Fu-Hsing St., Kueishan, Taoyuan 333, Taiwan)

July 2021— Present

Associate Professor

Division of Trauma Plastic Surgery, Department of Plastic & Reconstructive Surgery, Chang Gung Memorial Hospital

(5. Fu-Hsing St., Kueishan, Taoyuan 333, Taiwan)

Adjunct Assistant Professor

Chang Gung University and Medical College, Taoyuan, Taiwan

(259 Wen-Hwa 1st Road, Kwei-Shan Tao-Yuan, Taiwan, 333, R.O.C.)

### **Board Certification :**

September 14<sup>th</sup>, 2005 ---- Physician Board, Certification No.039098 (醫師執照)

December 24<sup>th</sup>, 2009 ---- Surgery Board, Certification No.005900 (外科專科醫師執照)

June 11<sup>th</sup>, 2011 ---- Hand Surgery Board, Certification No.00718 (手外專科醫師執照)

October 25<sup>th</sup>, 2011 ---- Plastic Surgery Board, Certification No.000539 (整外專科醫師執照)

### **Licensers :**

License NO: 039098 (醫師執照)

REG.NO.: 150659 (部定助理教授)

### **Professional Affiliations :**

Medical Organizations ----

Department of Plastic and Reconstructive Surgery, Chang Gung Memorial Hospital, Taoyuan, Taiwan

Chang Gung University College of Medicine, Taoyuan, Taiwan

Societies ----

Taiwan Society of Plastic Surgery

Taiwan Society for the Surgery of the Hand

Taiwan Surgical Association

## Professional Activities :

Administrative Experiences ----

July 2010 — June 2011

Administrative chief resident of Surgery Department, National Taiwan University Hospital

August 2013 — August 2014

Senior fellow of Christine M. Kleinert Institute for Hand and Microsurgery

**Research Interest :** Hand surgery, microsurgery, biomechanics, materials

## Bibliography :

A. Publications :

*International Publication as **First Author or co-author or Corresponding author**\* ----*

1. Lan CY, Lien PH, Lin YT, Lin CH, Hsu CC, Lin CH, **Chen SH\*** (co-corresponding author) and Yu YH\*. Comparison of the clinical outcomes between vascularized bone graft and the Masquelet technique for the reconstruction of Gustilo type III open tibial fractures. *BMC Musculoskeletal Disorders*, 23, 1036, 1-10, (2022 DEC). <https://doi.org/10.1186/s12891-022-06010-4>. (RHEUMATOLOGY, 28/34= 82.4% , Impact factor 2.562)SCIE.
2. **Chen SH**, Kao HK, Wun JR, Chou PY, Chen ZY, Chen SH, Hsieh ST, Fang HW\* and Lin FH\*, Thermosensitive hydrogel carrying extracellular vesicles from adipose-derived stem cells promotes peripheral nerve regeneration after microsurgical repair. *APL Bioeng*. 6, 046103-1-12. (2022 Nov). doi: 10.1063/5.0118862. (ENGINEERING, BIOMEDICAL,23/98 = 23.5% , Impact factor 6.586)SCIE.
3. Mao SH, **Chen SH\*** (Corresponding author), End-to-side Anterior Interosseous Nerve Transfer: A Valuable Alternative for Traumatic High Ulnar Nerve Palsy. *Annals of Plastic Surgery*.,89, 3, 337-338. (2022 Sep). DOI: 10.1097/SAP.0000000000003013
4. Li CW, Wu JCH, Lan YU, Lee CH, Huang RW, Lin CH, Hsu CC, Lin YT, Chen SH, Tang YB, Chen HC, **Chen SH\***, (Corresponding author). Prospective outcome analysis of ulnar tunnel syndrome: Comparing traumatic versus non-traumatic etiologies. *Asian Journal of Surgery*, 46, 2023, 180-186, (2022 Mar). <http://creativecommons.org/licenses/by-nc-nd/4.0/>. (SURGERY, 88/211 = 41.7% , Impact factor 2.808 )SCIE
5. Kim BS, **Chen SH**, Vasella M, Guidi M, Gousopoulos E, Lindenblatt E and Kao HK\*. In Vivo Evaluation of Mechanically Processed Stromal Vascular Fraction in a Chamber Vascularized by an Arteriovenous Shunt. *Pharmaceutics*, 14, 417-434. (2022 Feb). <https://doi.org/10.3390/pharmaceutics14020417>. (PHARMACOLOGY & PHARMACY, 39/279 = 13.9% , Impact factor 6.525 )SCIE
6. **Chen SH**, Chen ZY, Lin YH, Chen SH, Chou PY, Kao HK, Lin FH\*. Extracellular Vesicles of Adipose-Derived Stem Cells Promote the Healing of Traumatized Achilles Tendons. *Int. J. Mol. Sci*.

- 2021, 222, 12373.(2021 Nov) <https://doi.org/10.3390/ijms222212373>. (BIOCHEMISTRY & MOLECULAR BIOLOGY, 69/296 = 25.7 % , Impact factor 6.208)SCIE
7. **Chen SH**, Mao SH, Lan CY, Huang RW, Lee CH, Hsu CC, Lin CH, Lin YT, Chuang CC\*. End-to-Side Anterior Interosseous Nerve Transfer: A Valuable Alternative for Traumatic High Ulnar Nerve Palsy *Annals of Plastic Surgery*. 86, 2S, 102-107, (2021 Feb) doi: 10.1097/SAP.0000000000002657. (SURGERY, 155/211 = 73.4 % , Impact factor 1.763)SCIE
  8. **Chen ZY**, **Chen SH (co-first author)**, Chen CH, Chou PY, Yang CC, Lin FH\*. Polysaccharide Extracted from *Bletilla striata* Promotes Proliferation and Migration of Human Tenocytes. *Polymers*. 12, 2567, (2020 Nov). doi:10.3390/polym12112567. (POLYMER SCIENCE, 16/90 = 17.9% , Impact factor 4.967)SCIE
  9. **Chen SH**, Chou PY, Chen ZY, Chuang D CC, Hsieh ST, Lin FH. An electrospun nerve wrap comprising *Bletilla striata* polysaccharide with dual function for nerve regeneration and scar prevention. *Carbohydrate Polymers*. 116981. (2020 Aug). DOI: 10.1016/j.carbpol.2020.116981. (CHEMISTRY, APPLIED, 4/72 = 5.5 % , Impact factor 10.723)SCIE
  10. **Chen SH,\* (First author and corresponding author)** , Cem Yildirim ME, Mousavi SA, Chen H. Long-term functional outcomes upon application of split-thickness skin graft around major joints in HCC (Hung-Chi Chen)-modified Charles' procedure for advanced lymphedema. *Asian J Surgery*. (2020 Jun). DOI: 10.1016/j.asjsur.2020.05.001. (SURGERY, 88/211 = 41.7% , Impact factor 2.808 )SCIE
  11. **Chen SH (co-first author)**, Chou PU, Chen ZY, Lin FH. Electrospun Water-Borne Polyurethane Nanofibrous Membrane as a Barrier for Preventing Postoperative Peritendinous Adhesion. *J. Mol. Sci*. 2019,20, 1625; (2019 Apr) doi:10.3390/ijms20071625. (BIOCHEMISTRY & MOLECULAR BIOLOGY, 69/296 = 25.7 % , Impact factor 6.208)SCIE
  12. **Chen SH** , He JY, Tsai TM. Commentary on “The risk factors for failure of an upper extremity replantation: Is the use of cigarettes/tobacco a significant factor?”. *Int Clin Med*. Volume 3: 1-1. (2019 Jan). DOI: 10.15761/ICM.1000167. (MEDICINE, GENERAL & INTERNAL, 54/172 = 31.4 % , Impact factor 4.964)SCIE
  13. Lan CY, Tien HY, Lin YT, Hsu CC, Lin CH, **Chen SH \*(Corresponding author)**. Prognosis of Traumatic Ulnar Nerve Injuries. *Annals of Plastic Surgery* . 82: S45–S52 (2019 Jan) doi: 10.1097/SAP.0000000000001727 (SURGERY, 155/211 = 73.4 % , Impact factor 1.763)SCIE
  14. **Chen SH**, Ko AT, Chen HC, Roan TL, Tang YB. Fronto-naso-orbital Reconstructions. *Annals of Plastic Surgery*, **81**(6S), S10 -S14 (2018 Aug) doi: 10.1097/SAP.0000000000001606. (SURGERY, 155/211 = 73.4 % , Impact factor 1.763)SCIE
  15. Chong CW, **Chen SH\* (Corresponding author)**. Step Cut Lengthening: A Technique for Treatment of Flexor Pollicis Longus Tendon Rupture. *Annals of Plastic Surgery*, **80**(4), 353–355(2018 Apr). doi: 10.1097/SAP.0000000000001266. (SURGERY, 155/211 = 73.4 % , Impact factor 1.763)SCIE
  16. **Chen SH**, Yeh LF, Ciudad P & Chen HC, Successful Surgical Treatment of Intractable Chylous Ascites Using the Lymphatic Cable Flap: A Retrospective Review Study. *World J Surg* **41**, 1–5 (2017 Dec). doi: 10.1007/s00268-017-4132-2. (SURGERY, 65/211 = 30.8 % , Impact factor 3.282) SCIE
  17. Chou PY and **Chen SH (co-first author)** Chen CH, Chen SH, Fong YT, Chen JP.

Thermo-responsive in-situ forming hydrogels as barriers to prevent post-operative peritendinous adhesion. *Acta Biomaterialia* **63**, 85–95 (2017 Nov). doi: 10.1016/j.actbio.2017.09.010. Epub 2017 Sep 12. (ENGINEERING, BIOMEDICAL, 13/98 = 13.2 %, Impact factor 10.633) SCIE

18. **Chen SH**, Chan SY, Tien HY. Differences between Dorsal and Volar Dislocations of the Distal Interphalangeal Joint of Fingers: A Report of 30 Cases. *Journal of Hand Surgery (European Volume)*, 42(2):197-198. (2017 Feb) doi: 10.1177/1753193415616957. Epub 2016 Jul 20. (Surgery, 77/210 = 36.6%, Impact factor 2.290) SCIE
19. **Chen SH**, Chen HC, Horng SY, Tai HC, Hsieh JH, Yeong EK, Tang YB. Reconstruction for Osteoradionecrosis of the Mandible: Superiority of Free Iliac Bone Flap to Fibula Flap in Postoperative Infection and Healing. *Annals of Plastic Surgery* 73 Suppl 1, S18-26 (2014 Sep). doi: 10.1097/SAP.0000000000000270. (Surgery, 134/203 = 66% , Impact factor 1.448) SCIE
20. **Chen SH**, Tsai TM. Ulnar Tunnel Syndrome. *Journal of Hand Surgery (American Volume)* **39**, 571–579 (2014 Mar). doi: <https://doi.org/10.1016/j.jhssa.2013.08.102>
21. **Chen SH**, Tang YB, Chen HC. Survival of Transferred Ileum after Ischemia Time Longer than 1 Hour: A Clinical Result Different from Animal Studies. *Journal of the American College of Surgeons* **217**, 300–305 (2013 Aug). doi: 10.1016/j.jamcollsurg.2013.03.018. Epub 2013 Jun 5.
22. **Chen SH**, Yeong EK, Tang YB & Chen HC. Free and Pedicled Appendix Transfer for Various Reconstructive Procedures. *Annals of Plastic Surgery* **69**, 602–606 (2012 Dec). doi: 10.1097/SAP.0b013e31827475e2.

#### *International Publication as **Second Author** ----*

23. Kaya B. , **Chen SH**, Chen HC\*. A renovated method of performing over 258 cases of pedicled colon segment interposition for esophageal reconstruction with integration of plastic surgery principles into general surgery procedure. *European Surgery*. 03 June 2022, (2022 Jun). <http://sci-hub.tw/10.1007/s10353-022-00766-8>. (SURGERY, 198/211 = 93.8 %, Impact factor 0.796) SCIE
24. Sert G, **Chen SH**, Chen HC\*. How to ensure immediate and long-term good blood supply by careful dissection of the marginal artery and supercharge with neck vessels in esophageal reconstruction with colon segment interposition: 35-years experience. *J Plastic, Reconstructive & Aesthetic Surgery*. 000, 1–7, (2020 Aug). <https://doi.org/10.1016/j.bjps.2020.08.013>. (SURGERY, 72/210 = 34.3%, Impact factor 3.022) SCIE
25. Yildirim MEC, **Chen SH**, Weng HC, Mousavi SA, Chen HC. Treatment of Toes as an Integrated Part of Infection Control for Advanced Lower Limb Lymphedema. *J Plastic, Reconstructive & Aesthetic Surgery*. 000, 1–6, (2020 Aug). DOI: 10.1016/j.bjps.2020.08.042. (SURGERY, 72/210 = 34.3%, Impact factor 3.022) SCIE
26. Sert G, **Chen SH**, Aksoyler DY, Chen HC. Preliminary dissection of recurrent laryngeal nerve during

- esophageal reconstruction for corrosive esophageal injury. *Microsurgery*. 2020;1–2. (2020 Jul). DOI: 10.1002/micr.30624. (SURGERY, 128/211 = 60.7%, Impact factor 2.080) SCIE
27. Sert G, **Chen SH**, Chen HC. Repair of the marginal artery with an interpositional vein graft during colon interposition for esophageal reconstruction. *Microsurgery*. 2020;1–2. (2020 Jun). DOI: 10.1002/micr.30618. (SURGERY, 128/211 = 60.7%, Impact factor 2.080) SCIE
28. Hsu CA, **Chen SH**, Chan SY, Yu YH. The Induced Membrane Technique for the Management of Segmental Tibial Defect or Nonunion: A Systematic Review and Meta-Analysis. *BioMed Research International*. 2020(3):1-9. (2020 May). DOI: 10.1155/2020/5893642 (BIOTECHNOLOGY & APPLIED MICROBIOLOGY, 90/158 = 57.0 %, Impact factor 3.246) SCIE
29. Mousavi SA, **Chen SH**, Yildirim MEC, Chen HC., Using Fat Graft as Safe and Effective Pillow to Prevent Compression and Torsion Anastomosis for Microvascular Anastomosis. *Surg Innov*.;26(5):636-637. (2019 Oct) doi: 10.1177/1553350619861559. Epub 2019Jul 13. (SURGERY, 151/211 = 71.6%, Impact factor 1.785) SCIE
30. Di Taranto, **Chen SH**, Elia R, Amorosi V, Sitpahul N, Chan J, Ribuffo D, Chen HC. Free gastroepiploic lymph nodes and omentum flap for treatment of lower limb ulcers in severe lymphedema: killing two birds with one stone. *J Surg Oncol*. 2019;1-7 (2019 May). doi: 10.1002/jso.25581. (ONCOLOGY, 187/245 = 76.3% , Impact factor 2.885) SCIE
31. Yegin ME, **Chen SH**, Chen HC . Vascular pedicle division during free flap re-inset in pharyngoesophageal reconstruction. *Microsurgery*. 2019;1–6. (2019 May ). doi: 10.1002/micr.30469. (SURGERY, 128/211 = 60.7%, Impact factor 2.080) SCIE
32. Giuseppe Di T, **Chen SH** , Rossella E, Ngamcherd S, Chan CY, Luigi L, Emanuele C, Diego R, Chen HC. Outcomes following head neck free flap reconstruction requiring interposition vein graft or vascular bridge flap. *Head & Neck*. 2019;1–7 (2019 Mar) DOI: 10.1002/hed.25767. (ONCOLOGY, 76/196 = 38.8% , Impact factor 3.135) SCIE
33. Jonathan L, **Chen SH**, Jesse BJ, Luis RS. Distal Radioulnar Joint Replacement in The Scarred Wrist. *Jnl Wrist Surg*. (2018 Aug) doi: 10.1055/s-0038-1670681. (ORTHOPEDICS, 99/127 = 78)
34. Lin YT, **Chen SH**, Yung Loh CY, Hsu CC, Lin CH. Rationalizing the Vascular Anatomy for Oblique Osteotomy of the Metatarsal Head during Toe/Joint Transfers of the Metatarsophalangeal Joint. *Plastic and Reconstructive Surgery – Global Open*, e1805,(2018 Oct)doi: 10.1097/GOX.0000000000001805. (SURGERY, 27/211 = 12.7% , Impact factor 5.169) SCIE
35. He JY, **Chen SH**, Tsai TM. The Risk Factors for Failure of an Upper Extremity Replantation: Is the Use of Cigarettes/Tobacco a Significant Factor. *PLoS ONE*. 10(10). (2015 Oct) . doi: <https://doi.org/10.1371/journal.pone.0141451>. (Multidisciplinary sciences, 24/69 = 35, Impact factor 2.776) SCIE
36. He JY, **Chen SH**, Kumar KK, Fan ZH, Lao, J, Tien, H. Anatomical study of anterior supramalleolar artery and its potential application to design a bi-foliate fasciocutaneous flap. *Indian Journal Of Plastic Surgery*. Jan-Apr, 48(1),17-21(2015 Apr). doi: 10.4103/0970-0358.155262



37. Yeong EK, **Chen SH**, & Tang YB. The Treatment of Bone Exposure in Burns by Using Artificial Dermis. *Annals of plastic Surgery* **69**, 607–610 (2012 Dec). doi: 10.1097/SAP.0b013e318273f845. (Surgery, 134/203 = 66% , Impact factor 1.448) SCIE

*International Publication as Third Author ----*

38. Yildirim E.C. , Mousavi S.A., Chen SH, Lu TY, Weng HC, Chen HC. Development of a benign colon tumour in the free colon flap after the oesophageal reconstruction. *Surgical Practice*. (2022 Jul). <https://doi.org/10.1111/1744-1633.12592>.
39. Kaya B., Tang YB, **Chen SH**, Chen HC\*, Technical details for inset of flaps in transfer of double-level gastroepiploic lymph node flaps for lower extremity lymphedema., *Asian Journal of Surgery*, (2022 Jul), <https://doi.org/10.1016/j.asjsur.2022.07.034>.
40. Di Taranto G, Bolletta A, **Chen SH**, Losco L, Elia R, Cigna E, Chen HC\*. A prospective study on combined lymphedema surgery: Gastroepiploic vascularized lymph nodes transfer and lymphaticovenous anastomosis followed by suction lipectomy. *Microsurgery*. 2020;1–10. (2020 Aug). DOI: 10.1002/micr.30641 (Surgery, 96/210 = 45.7%, Impact factor 1.996) SCIE
41. Losco L, Aksoyler D, **Chen SH**, Bolletta A, Velazquez-Mujica J, Di Taranto, Chen HC\*. Pharyngoesophageal reconstruction with free jejunum or radial forearm flap as diversionary conduit: Functional outcomes of patients with persistent dysphagia and aspiration. *Microsurgery*. 2020;1–9. (2020 Aug). DOI: 10.1002/micr.30623 (Surgery, 96/210 = 45.7%, Impact factor 1.996) SCIE
42. Kaya B, Ciudad P, **Chen SH**, Para L, Chen HC\*. Technical Details for Harvesting Gastro-Epiploic Lymph Node Flaps via Mini-Laparotomy Incision. *J Plastic, Reconstructive & Aesthetic Surgery*. 73(9). (2020 May). DOI: 10.1016/j.bjps.2020.05.007 (Surgery, 72/210 = 34.3%, Impact factor 2.390) SCIE
43. Tsai CH, Hsu HH, **Chen SH**, Chien L, Lin JAJ, Chang CJ, Kao HK\*. Incidence and Risk of Carpal Tunnel Syndrome in End-Stage Renal Disease Patients on Dialysis: A Nationwide Population-Based Matched Cohort Study. *Annals of plastic surgery*. 84(1S Suppl 1):S100-S106. (2020 Jan). DOI: 10.1097/SAP.0000000000002181 (Surgery, 149/210 = 71% , Impact factor 1.354) SCIE
44. Chou PY, Denadai R, **Chen SH** , Tseng HJ, Hsu CK, Wang SW, Hallac R, Chen CH, Kane AA , Lo LJ\*, Identifying Three-Dimensional Facial Fluctuating Asymmetry in Normal Pediatric Individuals: A Panel Assessment Outcome Study of Clinicians and Observers. *J. Clin. Med*. 2019, 8, 648; (2019 May) doi:10.3390/jcm8050648 (Medicine, 36/165 = 21.8% , Impact factor 3.303) SCIE
45. Chen HC, Ciudad P , **Chen SH**, Agko M\*. Thirty-five years of single surgeon experience in the reconstruction of esophagus and voice with free ileocolon flap following total pharyngolaryngectomy. *Journal of surgical oncology*. 117, 459-468(2018 Mar). doi: 10.1002/jso.24864. Epub 2017 Nov. (Surgery, 56/210 = 26.7%, Impact factor 2.771) SCIE
46. K.T. Shalumona, Sheua Chialin, Chen CH, **Chen SH**, Gils J, Kuo CY, Chen JP\*. Multi-functional electrospun antibacterial core-shell nanofibrous membranes for prolonged prevention of post-surgical

tendon adhesion and inflammation. *Acta Biomaterialia*. 72:121-136. (2018 May) doi: 10.1016/j.actbio.2018.03.044. Epub 2018 Apr 5 (Materials science, 8/87 = 9.2 %, Impact factor 7.242) SCIE

*International Publication as **Fourth Author** ----*

47. Sakarya AH., Tsai KY, Hsu CC, **Chen SH**, Do NK, Anggelia MR, Lin CH\*, Free tissue transfers for reconstruction of weight-bearing heel defects: Flap selection, ulceration management, and contour revisions. *Reconstructive and Aesthetic Surgery*. 75, (5), 1557-1566 (2022 May)
48. Losco L., Bolletta A., Sire A.D., **Chen SH**, Sert G., Aksoyler D., Velazquez-Mujica J., Invernizzi M., Cigna E., Chen HC. The combination of lymph node transfer and excisional procedures in bilateral lower extremity lymphedema: clinical outcomes and quality of life assessment with long-term follow up. *J Clin Med*. 24;11(3):570. (2022 Jan). doi: 10.3390/jcm11030570.
49. Chen HT, Hsu CC, Lu ML, **Chen SH**, Chen JM, Wu RW. Effects of Combined Use of Ultrasonic Bone Scalpel and Hemostatic Matrix on Perioperative Blood Loss and Surgical Duration in Degenerative Thoracolumbar Spine Surgery. *Biomed Res Int*. 19;2019:6286258(2019 May). doi: 10.1155/2019/6286258. eCollection 2019. (Biotechnology, 92/156 = 58.9 %, Impact factor 2.276) SCIE
50. Tsai TY, Fries CA, Hsiao JC, Hsu CC, Lin YT, **Chen SH**, Lin CH, Wei FC, Lin CH. Patient-Reported Outcome Measures for Toe-to-Hand Transfer: A Prospective Longitudinal Study. *Plast Reconstr Surg*., 143(4):1122-1132. (2019 Apr). doi: 10.1097/PRS.00000000000005422. (Surgery, 22/210 = 10.5%, Impact factor 4.235) SCIE
51. Pafitanis G, Amorosi V, Elia R, Di Taranto G, Alamouti, **Chen SH**, Chen HC. Saphenous vein graft with mechanisms of “anchor-pipe” and pressure “step-down” to ensure the use of carotid artery as recipient for free flap transfer in vessels-depleted neck. *Microsurgery*. (2019 Mar). doi:10.1002/micr.30449 (Surgery, 96/210 = 45.7%, Impact factor 1.996) SCIE
52. Taranto GD, Elia R, Pafitanis G, Amorosi V, Liao LY, **Chen SH**, Chen HC., Late occurrence of squamous cell carcinoma arising from skin-lining flap. *Microsurgery*., 1–2.(2018 Jun), DOI: 10.1002/micr.30400f. (Surgery, 96/210 = 45.7%, Impact factor 1.996) SCIE
53. Huang CT, Ciudad P, Manrique OJ, Agko M, **Chen SH**, Tang PY, Sabbagh MD, Chen HC, Staged inset of free flaps for complex microsurgical head and neck reconstruction to ensure total flap survival. *Microsurgery*. 38:844–851 (2018 Jun) DOI: <https://doi.org/10.1002/micr.30370> (Surgery, 96/210 = 45.7%, Impact factor 1.996) SCIE
54. Manrique OJ, Bishop SN, Ciudad P, Adabi K, Martinez-Jorge J, Moran SL, Huang T, Vijayasekaran A, **Chen SH**, Chen HC. Lower Extremity Limb Salvage with Cross Leg Pedicle Flap, Cross Leg Free Flap, and Cross Leg Vascular Cable Bridge Flap. *J Reconstr Microsurg*. 34(7):522-529. (2018 May) doi: 10.1055/s-0038-1641712. Epub 2018 May 16. (Surgery, 110/210 = 52.4%, Impact factor 1.841) SCIE
55. Chong CW, Lin CH, Lin YT, Hsu CC, **Chen SH**. Refining the cross-finger flap: Considerations of flap inset, aesthetics and donor site morbidity. *J Plast Reconstr Aesthet Surg*. 71(4):566-572.(2018 Apr) doi: 10.1016/j.bjps.2017.11.014. Epub 2017 Nov 28. (Surgery, 72/210 = 34.3%, Impact factor 2.390) SCIE

56. Ciudad P, Agko M, Perez Coca JJ, Manrique OJ, Chang WL, Nicoli F, **Chen SH**, Chen HC. Comparison of long-term clinical outcomes among different vascularized lymph node transfers: 6-year experience of a single center's approach to the treatment of lymphedema. *J Surg Oncol*. 116(6):671-682. (2017 Nov) doi: 10.1002/jso.24730. Epub 2017 Jul 10. (Surgery, 153/244 = 62.7% , Impact factor 2.771) SCIE
57. Nicoli F, D'Ambrosia C, Lazzeri D, Orfaniotis G, Ciudad P, Maruccia M, Shiun LT, Sacak B, **Chen SH**, Chen HC. Microsurgical dissection of facial nerve in parotidectomy: a discussion of techniques and long-term results. *Gland Surg*. 6, (4):308-314. (2017 Aug) doi: 10.21037/g.s.2017.03.12. (Surgery, 82/210 = 39% , Impact factor 2.190) SCIE
58. Loh CY, Hsu CC, Lin CH, **Chen SH**, Lien SH, Lin CH, Wei FC, Lin YT. Customizing Extensor Reconstruction in Vascularized Toe Joint Transfers to Finger Proximal Interphalangeal Joints: A Strategic Approach for Correcting Extensor Lag. *Plast Reconstr Surg*, 139(4):915-922. (2017 Apr) doi: 10.1097/PRS.00000000000003153. (Surgery, 22/210 = 10.5%, Impact factor 4.235) SCIE
59. Sacak B, Orfaniotis G, Nicoli F, Liu EW, Ciudad P, **Chen SH**, Chen HC. Back-up procedures following complicated gastric pull-up procedure for esophageal reconstruction: Salvage with intestinal flaps. *Microsurgery*. 36(7):567-572(2016 Oct). doi: 10.1002/micr.22520. Epub 2015 Dec 17. (Surgery, 96/210 = 45.7%, Impact factor 1.996) SCIE
60. Perrone F, Nitto A, Tang YB, **Chen SH**, Chen HC. Three uses of an extra length of jejunum in pharyngo-oesophageal reconstruction with free jejunal flap. *Journal of Plastic, Reconstructive, and Aesthetic Surgery* 66, 16–22 (2013 Jan). doi: 10.1016/j.bjps.2012.08.003. Epub 2012 Oct 27.
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66. Lan CY, Lin YT, Hsu CC, Lin CH, **Chen SH (Corresponding author)**. Traumatic Ulnar Nerve Injuries-A 7-Year Retrospective Study. 創傷性尺神經損傷—七年回溯性研究. *Plastic and Reconstructive Surgery R.O.C.*, 29(4) 276-288, (2020 Dec)
67. Wu JH, Chou PY, Wang PF, Chen HC, **Chen SH (Corresponding author)**. Synovial Sarcoma of Hand with Unexpected Presentations Mimicking that of a Neurofibroma : Case Report and Review of Literature. *Plastic and Reconstructive Surgery R.O.C.* , 27(3):198 - 205 (2018 Sep) doi : 10.7096/TJTSPS. 201810120027-198-205 doi : 10.7096/TJTSPS. 201810120027-198-205. (Surgery, 22/210 = 10.5% , Impact factor 4.235) SCIE
68. Huang CW, **Chen SH**, Weng HC, Jung SW, Li TS, Chen HC. Swallowing Function after Reconstruction of Pharynx and Cervical Esophagus-A Comparison Among Jejunal Flap, Colon Flap and Anterolateral Thigh Flap with Postoperative Rehabilitation. *Plastic and Reconstructive Surgery R.O.C.* ,25(1): 21-36 (2016 Mar)
69. **Chen SH**, Chen HC, Yang MC, Hsieh JH, Tai HC, Horng SY, Chen MT, Tang YB. Features of Oral Cancers in Taiwanese Females with Free Tissue Transfers: Based on NTUH Data. *Plastic and Reconstructive Surgery R.O.C.* 2009; 18(4):311-20. (2009 Dec) doi : 10.7096/JPSA.200912.0311

B. Presentations : ( Title, Meeting Location, Date, Oral/Poster )

1. 2018 Conference of Taiwan Society for Surgery of the Hand, Taiwan: Diagnosis and Management of Raynaud's Phenomenon and Buerger's Disease in Early Stage. (Oral)
2. 2016 Conference of Korean Society of Reconstructive Microsurgery: Thin flaps for hand and upper extremity (Oral)
3. 2010 Conference of Plastic Surgical Association, Taiwan: Total pharyngolaryngectomy and voice reconstruction with ileocolon free flap ---- functional outcome and quality of life (Oral)
4. 2010 Conference of Taiwan Surgical Association, Taiwan: Proper management of the junction between colon and thoracic esophagus when colon is used for reconstruction of pharyngoesophagus (Oral)
5. 2010 Conference of Taiwan Surgical Association, Taiwan: Folded NG tube as an intraluminal stent and drain in the reconstruction of pharyngoesophagus (Oral)
6. 2009 Conference of Plastic Surgical Association, Taiwan: Transit time study with nuclear medicine for the motility difference between the jejunum and colon transferred to the neck for reconstruction

- of cervical esophagus (Oral)
7. 2008 Conference of Plastic Surgical Association, Taiwan: Indications of internal splint for patients with radial nerve injury (Oral)
  8. 2008 Conference of Plastic Surgical Association, Taiwan: Microvascular free appendix transfer for reconstruction of various purposes (Oral)
  9. 2008 World Congress for Plastic Surgeons of Chinese Descent, Beijing: Microvascular free appendix transfer for reconstruction of various purposes (Oral)
  10. 2007 Conference of Plastic Surgical Association, Taiwan: Factors predicting amputation and mortality for necrotizing fasciitis (Oral)
  11. 2007 Conference of Taiwan Surgical Association, Taiwan: Reconstruction for oral cancer in Taiwanese females: based on NTUH data (Oral)

### C. Book Chapters

1. Georgios Pafitanis, **Chen SH**, Chen HC. Chapter 13, Bowel Flaps : Jejunum Flap. Recipient Vessels in Reconstructive Microsurgery pp 45–52. 2021 September . ISBN: 978-3-030-75389-4. DOI: 10.1007/978-3-030-75389-4\_8
2. **Chen SH**, Tai HC, Cheng TJ, Chen HC, Ko AT, Roan TL, Chen YS and Tang YB. Chapter 6, Reconstruction for Mandibular Implant Failure. In: Sherif Amr, ed. Issues in Flap Surgery. 2018 April. ISBN: 978-1-78923-012-3
3. **Chen SH**, Chen HC. Chapter 19, Surgical treatment of intractable chylous ascites using the deep inferior epigastric lymphatic cable flap. In: Ciudad P, ed. Lymphedema: Surgical Approach and Site-specific topics, 2E. Elsevier, 2018 January. ISBN:978-986-95485-4-0
4. **Chen SH**, Chen HC, Chang CW, Chen CH, Tang YB. Chapter 20, Multimodal surgical approaches to the aging face. In: Lee L.Q. Pu, ed. Aesthetic Plastic Surgery in Asians: Principles and Techniques. Quality Medical Publishing Inc., 2015 February. ISBN13:9781482240870
5. **Chen SH**, Tang YB, Chen HC. Chapter 12, Finesse in aesthetic facial recontouring. In: M Agulnik, ed. Head and Neck Cancer. Intech, 2012 March. ISBN:978-953-51-0236-6

### 研究計畫

1. CMRPG3F1231, 開發含促進癒合分子之泡沫型溫敏感水膠以降低術後肌腱沾黏及促進肌腱癒合, 2016/07/01~2017/09/30 (已結案)
2. CMRPG3G0171, 利用核殼電紡纖維調控奈米銀和生長因子的釋放以降低感染及沾黏產生並促進肌腱修復, 2017/01/01~2018/06/30 (已結案)
3. CMRPG3G1481, 以混紡電紡之含藥 PU/gamma-PGA 多層膜減少周邊神經重建後之沾黏並促進軸突生長 1/3, 2017/10/01~2018/09/30 (已結案)

- 4.CMRPG3G1482, 以混紡電紡之含藥 PU/gamma-PGA 多層膜減少周邊神經重建後之沾粘並促進軸突生長 2/3, [ \$1,560,500.00], 2018/10/01~2019/09/30 (已結案)
- 5.CMRPG3G1483, 以混紡電紡之含藥 PU/gamma-PGA 多層膜減少周邊神經重建後之沾粘並促進軸突生長 3/3, [\$1,587,245.00], 2019/10/01~2021/03/31 (已結案)
- 6.CMRPG3K1531,利用雙層結構的神經包覆薄膜以降低周邊神經接合後之疤痕沾粘並促進軸突再生 1/2, [\$880,893.00], 2020/10/01~2021/09/30 (已結案)
- 7.CMRPG3K1532, 利用雙層結構的神經包覆薄膜以降低周邊神經接合後之疤痕沾粘並促進軸突再生 2/2, [\$890,358.00], 2021/10/1~2022/9/30 (執行中)
- 8.CMRPG3L1331, 以葡聚醣基底之溫敏感型水膠攜帶細胞外泌體用於周邊神經修復 1/2, [\$978,000.00], 2021/11/1~2022/10/31 (執行中)
- 9.CORPG3F0661, 臨床整合型上肢疾患之前瞻性及系統性回顧研究之子計畫三：利用統合分析與系統性回顧研究尺神經創傷之預後及可能影響預後之因子, 2016/12/01~2017/11/30(已結案)
- 10.CORPG3G0921, 臨床整合型上肢功能重建之前瞻性及系統性回顧研究之子計畫三：尺神經病變之回溯分析, 2017/10/01~2018/08/31 (已結案)
- 11.CORPG3H0521, 臨床整合型上肢神經肌肉功能重建之前瞻性及系統性回顧研究之子計畫二：前骨間神經轉移用於治療尺神經損傷之回溯性分析, 2018/10/1~2019/9/30 (已結案)
- 12.CORPG3L0051(長清)多功能三維複合式脂肪幹細胞球體系統用於促進嚴重肢體創傷後之周邊神經再生與肌腱修復(1/1),[\$400,000.00], 2021/1/1~2021/12/31 (已結案)
- 13.CORPG3M0061(長清)三維脂肪幹細胞球體移植所介導之免疫調控於肌腱修復強化之機制探討(1/1),[\$400,000.00], 2022/1/1~2022/12/31 (執行中)
- 14.NMRPG3H0461, (107-2314-B-182A-139-), 利用帶藥多層膜結構之神經包覆材料以減少周邊神經接合後之沾粘與促進其軸突之再生, [\$760,000.00], 2018/8/1~2019/7/31 (已結案)
- 15.NMRPG3J0641, (108-2314-B-182A-036-), 利用帶藥多層膜結構的神經包覆材料以降低周邊神經接合後之疤痕沾粘並促進軸突再生(1/3), [\$1,445,000.00], 2019/8/1~2020/7/31 (已結案)
- 16.NMRPG3J0642, (109-2314-B-182A-153-), 利用帶藥多層膜結構的神經包覆材料以降低周邊神經接合後之疤痕沾粘並促進軸突再生(2/3), [\$1,445,000.00], 2020/8/1~2021/7/31 (已結案)
- 17.NMRPG3J0643, (110-2314-B-182A-148-), 利用帶藥多層膜結構的神經包覆材料以降低周邊神經接合後之疤痕沾粘並促進軸突再生(3/3), [\$1,445,000.00], 2021/8/1~2022/7/31 (執行中)

## Awards, Honors

- 1.陳志豪、陳思恒、周邦昫、陳世賢、陳志平\* “開發新穎性之奈米纖維膜預防術後組織

沾黏” 第十六屆國家新創獎, 2019 Chih-Hao Chen, Shih-Heng Chen, Pang-Yun Chou, Shih-Hsien Chen, Jyh-Ping Chen\*, Development of Novel Nanofibrous Membranes for Prevention of Postoperative Tissue Adhesion. 16th National Innovation Award in the Academic Research Category by the Research Center for Biotechnology and Medicine Policy.

2. 12<sup>th</sup> -13<sup>th</sup> December 2020, International Symposium of Meterials on Regenerative Medicine, ISOMRM 2020 Poster Winning Awards.
3. 林口長庚醫院外科部 2021 年主治醫師傑出研究獎