

CURRICULUM VITAE



Dr. Sung-Yen Lin 林松彥

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Date of Birth: 21 Oct 1978

Marital Status: Married

Education ---

8/1996-7/2003 Doctor of Medicine

Kaohsiung Medical University, Kaohsiung City, Taiwan R.O.C.

Certification and Awards---

10/2007 Certificate of Special Doctor in Orthopaedics

Professional Experience ---

2/2018-present Assistant professor

Kaohsiung Medical University Hospital

8/2016-present Director , Attending doctor

Department of Orthopaedics, Division of Joint Reconstruction, Kaohsiung Medical University Hospital

11/2019-10/2021- present

The supervisor of the Taiwanese Osteoporosis Association

10/2017-10/2019

The deputy secretary general of the Taiwanese Osteoporosis Association

8/2016-7/2020 Attending Doctor

Department of Orthopaedics, Division of Joint Reconstruction, Kaohsiung Medical University Hospital

8/2009-7/2016 Attending Doctor

Department of Orthopaedics, Kaohsiung Municipal Ta-Tung Hospital, Kaohsiung Medical University, Kaohsiung, Taiwan

8/2007-7/2009 Attending Doctor

Saint Cosmas Hospital, Kaohsiung, Taiwan

8/2003-7/2007 Resident Doctor

Department of Orthopaedics, Kaohsiung Medical University Hospital

Publications ---

1. Discoidin Domain Receptors 1 Inhibition Alleviates Osteoarthritis via Enhancing Autophagy. Chou HC, Chen CH, Chou LY, Cheng TL, Kang L, Chuang SC, Lin YS,

Ho ML, Wang YH, **Lin SY**, Wang CZ. (Equal corresponding) Int J Mol Sci. 2020 Sep 23;21(19):E6991.

PMID: 32977456 Free article.

2. Mg-Zn-Ca Alloys for Hemostasis Clips for Vessel Ligation: In Vitro and In Vivo Studies of Their Degradation and Response. Chang YH, Tseng CC, Chao CY, Chen CH, **Lin SY**, Du JK. Materials (Basel). 2020 Jul 7;13(13):3039. 3
3. Thrombomodulin Functional Domains Support Osteoblast Differentiation and Bone Healing in Diabetes in Mice. Chen CH, Lai CH, Hong YK, Lu JM, **Lin SY**, Lee TC, Chang LY, Ho ML, Conway EM, Wu HL, Cheng TL. J Bone Miner Res. 2020 Sep;35(9):1812-1823.
4. Green Tea Catechin (-)-Epigallocatechin-3-Gallate (EGCG) Facilitates Fracture Healing. **Lin SY**, Kan JY, Lu CC, Huang HH, Cheng TL, Huang HT, Ho CJ, Lee TC, Chuang SC, Lin YS, Kang L, Chen CH. Biomolecules. 2020 Apr 16;10(4):620.
5. The safety of continuing antiplatelet medication among elderly patients undergoing urgent hip fracture surgery. **Lin SY**, Huang HT, Chou SH, Ho CJ, Liu ZM, Chen CH, Lu CC. Orthopedics. 2019 Sep 1;42(5):268-274.
6. Discoidin domain receptor 1 regulates endochondral ossification through terminal differentiation of chondrocytes. Chou LY, Chen CH, Lin YH, Chuang SC, Chou HC, **Lin SY**, Fu YC, Chang JK, Ho ML, Wang CZ. FASEB J. FASEB J. 2020 Apr;34(4):5767-5781
7. Impact of orthogeriatric care, comorbidity, and complication on 1-year mortality in surgical hip fracture patients: An observational study. Chen CH, Huang PJ, Huang HT, **Lin SY**, Wang HY, Fang TJ, Lin YC, Ho CJ, Lee TC, Lu YM, Chiu HC. Medicine (Baltimore). 2019 Nov;98(47):e17912.
8. (-)-Epigallocatechin-3-gallate (EGCG) enhances healing of femoral bone defect. **Lin SY**, Kang L, Chen JC, Wang CZ, Huang HH, Lee MJ, Cheng TL, Chang CF, Lin YS, Chen CH. Phytomedicine. 2019 Mar 1;55:165-171.
9. (-)-Epigallocatechin-3-Gallate Decreases Osteoclastogenesis via Modulation of RANKL and Osteoprotegerin. Chen ST, Kang L, Wang CZ, Huang PJ, Huang HT, **Lin SY**, Chou SH, Lu CC, Shen PC, Lin YS, Chen CH. Molecules. 2019 Jan 3;24(1).
10. (-)-Epigallocatechin-3-Gallate (EGCG) Enhances Osteogenic Differentiation of Human Bone Marrow Mesenchymal Stem Cells. **Lin SY**, Kang L, Wang CZ, Huang HH, Cheng TL, Huang HT, Lee MJ, Lin YS, Ho ML, Wang GJ, Chen CH. Molecules. 2018 Dec 6;23(12).
11. **Lin SY**, Kang L, Wang CZ, Huang HH, Cheng TL, Huang HT, Lee MJ, Lin YS, Ho ML, Wang GJ, Chen CH*. (-)-Epigallocatechin-3-Gallate (EGCG) Enhances Osteogenic Differentiation of Human Bone Marrow Mesenchymal Stem Cells. Molecules 2018, 23, 3221; doi:10.3390/molecules23123221
12. Parathyroid hormone-(1-34) ameliorated knee osteoarthritis in rats via autophagy. Chen CH, Ho ML, Chang LH, Kang L, Lin YS, **Lin SY**, Wu SC, Chang JK. J Appl Physiol (1985). 2018 May1;124(5):1177-1185.
13. Intravenous drug abuse is a risk factor in the failure of two-stage treatment for infected total hip arthroplasty. Su YJ, **Lin SY**, Huang HT, Chang JK, Chen CH. Kaohsiung J Med Sci. 2017 Dec;33(12):623-629.
14. The efficacy of combined use of intraarticular and intravenous tranexamic acid on

- reducing blood loss and transfusion rate in total knee arthroplasty. **Lin SY**, Chen CH, Fu YC, Huang PJ, Chang JK, Huang HT. *J Arthroplasty*. 2015 May;30(5):776-80.
15. Modified Mitchell osteotomy alone does not have higher rate of residual metatarsalgia than combined first and lesser metatarsal osteotomy. Chen SJ, Cheng YM, **Lin SY**, Chen CH, Huang HT, Huang PJ. *Kaohsiung J Med Sci*. 2015 Apr;31(4):203-7.
 16. Computer-navigated minimally invasive total knee arthroplasty for patients with retained implants in the femur. **Lin SY**, Chen CH, Huang PJ, Fu YC, Huang HT. *Kaohsiung J Med Sci*. 2014. Aug;30(8):415-21.
 17. **Lin SY**, Chen CH, Fu YC, Huang PJ, Lu CC, Su JY, Chang JK, Huang HT. Comparison of the clinical and radiological outcomes of three minimally invasive techniques for total knee replacement at two years. *Bone Joint J*. 2013 Jul;95-B(7):906-10.
 18. **Lin SY**, Huang PJ, Huang HT, Chen CH, Cheng YM, Fu YC. An alternative technique for the management of phalangeal enchondromas with pathologic fractures. *J Hand Surg Am*. 2013 Jan;38(1):104-9.
 19. Chen LH, Chen CH, **Lin SY**, Chien SH, Su JY, Huang CY, Wang HY, Chou CL, Tsai TY, Cheng YM, Huang HT. Aggressive continuous passive motion exercise does not improve knee range of motion after total knee arthroplasty. *J Clin Nurs*. 2013 Feb;22(3-4):389-94.
 20. Wen ZH, Tang CC, Chang YC, Huang SY, Chen CH, Wu SC, Hsieh SP, Hsieh CS, Wang KY, **Lin SY**, Lee HL, Lee CH, Kuo HC, Chen WF, Jean YH. Intra-articular injection of the selective cyclooxygenase-2 inhibitor meloxicam (Mobic) reduces experimental osteoarthritis and nociception in rats. *Osteoarthritis Cartilage*. 2013 Dec;21(12):1976-86.
 21. Chen CH, Kang L, Huang HT, Chang JK, Wu SF, **Lin SY**, Cheng YM, Chiu HC. Longitudinal changes in bone mineral density of healthy elderly women in southern Taiwan. *Taiwan J Obstet Gynecol*. 2013 Mar;52(1):61-5.
 22. Chen CH, Kang L, Lin RW, Fu YC, Lin YS, Chang JK, Chen HT, Chen CH, **Lin SY**, Wang GJ, Ho ML. (-)-Epigallocatechin-3-gallate improves bone microarchitecture in ovariectomized rats. *Menopause*. 2013 Jun;20(6):687-94.
 23. Wu SC, Chen CH, Chang JK, Fu YC, Wang CK, Eswaramoorthy R, Lin YS, Wang YH, **Lin SY**, Wang GJ, Ho ML. Hyaluronan initiates chondrogenesis mainly via CD44 in human adipose-derived stem cells. *J Appl Physiol (1985)*. 2013 Jun;114(11):1610-8.
 24. Huang HT, Kang L, Huang PJ, Fu YC, **Lin SY**, Hsieh CH, Chen JC, Cheng YM, Chen CH. Successful teriparatide treatment of atypical fracture after long-term use of alendronate without surgical procedure in a postmenopausal woman: a case report. *Menopause*. 2012 Dec;19(12):1360-3.
 25. Chen CH, Lin YS, Fu YC, Wang CK, Wu SC, Wang GJ, Eswaramoorthy R, Wang YH, Wang CZ, Wang YH, **Lin SY**, Chang JK, Ho ML. Electromagnetic fields enhance chondrogenesis of human adipose-derived stem cells in a chondrogenic microenvironment in vitro. *J Appl Physiol (1985)*. 2013 Mar 1;114(5):647-55.
 26. **Lin SY**, Chuo CY, Lin GT, Ho ML, Tien YC, Fu YC. Volar plate interposition arthroplasty for posttraumatic arthritis of the finger joints. *J Hand Surg Am*. 2008 Jan;33(1):35-9.

27. **Lin SY**, Cheng YM, Huang PJ. Freiberg's infraction --- treatment with metatarsal neck dorsal closing wedge osteotomy: report of two cases. Kaohsiung J Med Sci. 2006 Nov;22(11):580-5.

學歷

國立台灣大學醫學院 醫學士 (90.09~97.06)

國立成功大學公共衛生研究所 博士班 (108.9~)

現職及經歷

- 國立台灣大學醫學院附設醫院雲林分院 骨科部 主治醫師 (104.07 迄今)
- 國立台灣大學醫學院附設醫院 骨科部 兼任講師 (107.07 迄今)
- 教育部部定講師 (107.07 迄今)
- 國立台灣大學醫學院附設醫院 骨科部 兼任主治醫師 (105.07 迄今)
- 國立台灣大學醫學院附設醫院雲林分院 外傷中心 執行秘書 (105.07~107.07)
- 國立台灣大學醫學院附設醫院 骨科部 住院醫師 (99.07~104.06)

專長領域

骨創傷、骨盆骨折、骨質疏鬆、老年脆弱性骨折、腫瘤骨科、腫瘤骨轉移

資格

	証書字號	核發機關	核發年月
骨科專科醫師證書	骨專醫字第 002008 號	衛生福利部	104/11
醫師證書	醫字第 043030 號	行政院衛生署	97/09
骨鬆專科醫師證書	骨鬆會員編號第 873 號	中華民國骨質疏鬆症學會	105/07
講師證書	講字第 147361 號	教育部	108/2

學會會員

中華民國骨科醫學會 會員

台灣骨科創傷醫學會 會員

中華民國骨質疏鬆症學會 會員

榮譽

1. 2016 AAOS Highlight Poster (Florida, USA)

Title: Bisphosphonates Reduced The Risk Of Total Knee Arthroplasty In Patients With Osteoarthritis

2. 2016 中華民國骨鬆醫學會論文比賽第三名

3. 2017 ISPE Spotlight Poster (Montreal, Canada)

Title: Dipeptidyl Deptidase-4 (DPP-4) Inhibitors and Risk of Arthralgia: Population-based Cohort and Nested Case-control Studies

4. 2019 中華民國骨鬆醫學會論文比賽第一名

5. 2021 成大醫學院研究日博士論文競賽第三名

論文

1. Wang CY, **Fu SH**, Wang CL, et al. Serotonergic antidepressant use and the risk of fracture: a population-based nested case-control study. *Osteoporos Int* 2016;27:57–63.
2. **Fu SH**, Wang CY, Yang RS, Wu FL, Hsiao FY. Bisphosphonate Use and the Risk of Undergoing Total Knee Arthroplasty in Osteoporotic Patients with Osteoarthritis: A Nationwide Cohort Study in Taiwan *J Bone Joint Surg Am.* 2017 Jun 7;99(11):938-946
3. Tseng TH, Jiang CC, **Fu SH**, Lee TL, Chuang YH, Chiang H*. Topical anesthesia for staple removal from surgical wounds on the knee: a prospective, double-blind, randomized trial. *J Surg Res.* 2017 Jul;215:167-172.
4. **Shau-Huai Fu**, Jyh-You Liu, Chuan-Ching Huang, Feng-ling Lin, Rong-Sen Yang, Chun-han Hou. Quality control processes in allografting: A twenty-year retrospective review of a hospital-based bone bank in Taiwan *PLoS One* Published: October 19, 2017 (IF:2.806; R/C:15/64, Multidisciplinary science)
5. Wang CY, **Fu SH**, Yang RS, Shen LJ, Wu FL, Hsiao FY. Age- and gender-specific epidemiology, treatment patterns, and economic burden of osteoporosis and

associated fracture in Taiwan between 2009 and 2013 Arch Osteoporos. 2017 Oct 25;12(1):92.

6. Wang CY, **Fu SH**, Huang CC, Hung CC, Yang RS, Hsiao FY: Visualisation of the unmet treatment need of osteoporotic fracture in Taiwan: A nationwide cohort study. Int J Clin Pract. 2018 Oct;72(10)
7. Hung CC, Wang CY, **Fu SH**, Yang RS, Hsiao FY. Effects of anti-osteoporosis medications on total hip arthroplasty risks in osteoporotic patients with hip osteoarthritis in Taiwan: a nationwide cohort study. Arch Osteoporos. 2018 Oct 10;13(1):107
8. Chiang, M. H., Wang, C. L., **Fu, S. H.**, Hung, C. C., & Yang, R. S. (2018). Does fully-threaded Headless Compression Screw provide a length-stable fixation in undisplaced femoral neck fractures?. *Asian J Surg.* 2019 Jan;42(1):320-325.
9. Wang CY, **Fu SH**, Yang RS, Hsiao FY. Use of dipeptidyl peptidase-4 inhibitors and the risk of arthralgia: Population-based cohort and nested case-control studies. Pharmacoeconom Drug Saf. 2019 Feb 6.
10. Wang CY, **Fu SH**, Yang RS, Chen LK, Shen LJ, Hsiao FY. Timing of anti-osteoporosis medications initiation after a hip fracture affects the risk of subsequent fracture: A nationwide cohort study [published online ahead of print, 2020 May 25]. Bone. 2020;138:115452.
11. Chen-Yu Wang, **Shau-Huai Fu**, Chih-Chien Hung, Rong-Sen Yang, Jou-Wei Lin, Ho-Min Chen, Fei-Yuan Hsiao, Li-Jiuan Shen. Impact of the Requirement of Bone Mineral Density Evidence on Utilization of Anti-osteoporosis Medications, Clinical Outcome and Medical Expenditures of Patient With Hip Fracture in Taiwan. Int J Health Policy Manag. 2020 Oct 3.
12. **Fu SH**, Wang CY, Hung CC, Lee CC, Yang RS, MD, Huang CC, Farn CJ, Lin WH, Chen HM, Hsiao FY, Lin JW, Li CY. Increased fracture risk after discontinuation of anti-osteoporosis medications among hip fracture patients: A population-based cohort study. J Intern Med. 2021 Jul 8.
13. **Fu SH**, Wang CY, Lee CC, Farn CJ. eletter in response to the article "Lower 1-Year Postoperative Mortality After Acetabular Versus Proximal Femoral Fractures in Elderly Patients" J Bone Joint Surg Am. 2021 May 21. Accepted and posted.

研究計畫

110 年 研究計畫

計畫主持人

國家衛生研究院計畫 五年

題目: 社區長照據點長者骨質疏鬆及肌少症風險評估與預防計畫

Title: Comprehensive risk assessment and prevention plan of osteoporosis and sarcopenia for the elderly participating in community-based long-term care services

108 年 研究計畫

計畫主持人

科技部計畫三年 編號: 108-2314-B-002 -100 -MY3

題目:長期與日間照護體系內老年族群之骨折風險評估與治療:流行病學探討與成本效用分析

Title: Fracture risk assessment and treatment of the elderly in long-term and day care system: epidemiology and cost-utility analysis

107 年 研究計畫

計畫主持人

臺大醫院雲林分院 研究計畫 NTUHYL107. S013

台灣骨質疏鬆病患族群之長期骨折風險與生活品質變化之前瞻性世代研究

(I):

世代族群之背景特性與生活品質相關資料收集

Long-term fracture risk and longitudinal health related quality of life of osteoporosis population: A prospective cohort study

106 年 研究計畫

計畫主持人

臺大醫院雲林分院 研究計畫 NTUHYL106. N008:

探討骨質疏鬆症藥物之不同使用時程與臨床療效之關係

Association between different initial date of anti-osteoporosis drugs with the risk of subsequent fracture

執行期間 106/01~106/12

105 年 研究計畫

計畫主持人

臺大醫院雲林分院 研究計畫 NTUHYL105. N001:

使用 DPP-4 抑制劑於糖尿病患與後續關節痛之關聯性

Association between DPP-4 inhibitors use and arthralgia in diabetes mellitus

patients:

a population based retrospective cohort study

執行期間 105/01~105/12

已發表: Wang CY, **Fu SH**, Yang RS, Hsiao FY. Use of dipeptidyl peptidase-4 inhibitors and the risk of arthralgia: Population-based cohort and nested case-control studies. *Pharmacoepidemiol Drug Saf.* 2019 Feb 6.

協同主持人

臺大醫院雲林分院 研究計畫 NTUHYL105. N002:

使用雙磷酸鹽類藥物於骨關節炎病人對於後續髖關節置換手術之影響

Association between bisphosphonates use in osteoarthritis and arthroplasty of hip:

a population based retrospective cohort study

執行期間 105/01~105/12

已發表: Hung CC, Wang CY, **Fu SH**, Yang RS, Hsiao FY. Effects of anti-osteoporosis medications on total hip arthroplasty risks in osteoporotic patients with hip osteoarthritis in Taiwan: a nationwide cohort study. *Arch Osteoporos.* 2018 Oct 10;13(1):107

協同主持人

臺大醫院雲林分院 研究計畫 NTUHYL105. N003:

探討台灣骨質疏鬆症診斷與藥物治療之現況與國際治療指引標準之差異

Diagnosis and treatment gap of osteoporosis: Current stage of Taiwan

執行期間 105/01~105/12

已發表: Wang CY, **Fu SH**, Huang CC, Hung CC, Yang RS, Hsiao FY:

Visualisation of the unmet

treatment need of osteoporotic fracture in Taiwan: A nationwide cohort study. *Int J Clin Pract.* 2018 Oct;72(10)