



黃炫迪 教授

Professor Hsuan-Ti Huang, MD.

現職：

高雄醫學大學附設中和紀念醫院 副院長/主治醫師

高雄醫學大學 醫學系骨科 教授

通訊地址：807 高雄市十全一路 100 號

E-mail：hthuang@kmu.edu.tw

電話: 07-3121101 分機 5751

#### Education and Training：

高雄醫學大學醫學系

高雄醫學大學醫務管理碩士

#### Experience：

高雄醫學大學附設中和紀念醫院 骨科部主任

高雄市立大同醫院(委託高雄醫學大學附設中和紀念醫院經營) 副院長

高雄市立大同醫院 骨科 主任/主治醫師

高雄醫學大學附設中和紀念醫院關節重建科主任

高雄醫學大學 醫學系 骨科 助理教授

高雄醫學大學附設醫院 骨科 住院醫師

高雄醫學大學附設醫院 骨科 主治醫師

美國賓州匹茲堡大學骨骼肌肉醫學中心、人工關節手術研究

美國紐澤西州、聖彼得大學醫院隨 Dr. Tria 研究微創、人工膝關節手術

骨科專科醫師

台灣骨科學會監事

關節重建學會常務理事

膝關節及關節鏡學會會員

#### Major Awards:

1.2019 年產學合作績優獎

## 參與重要計畫:

計畫名稱	計畫內擔任的工作	起訖年月	補助或委託機構	執行情形	經費總額
比較人類多潛能幹細胞外囊泡(hiPSC-Exos)與 hiPSC 誘導分化之間葉幹細胞外囊泡(iMSC-Exos)應用於退化性關節炎治療之研究	主持人	2023/8/1-2025/7/31	國科會	執行中	3,372,900
誘導型多潛能幹細胞外囊泡應用於退化性關節炎之治療的研究 (110-2314-B-037-024-)	主持人	2021/08/01 至 2022/07/31	科技部	已結案	920,000
應用干擾盤基蛋白接受體 1(DDR1)訊息傳遞於退化性關節炎的治療 (109-2314-B-037-026-)	共同主持人	2020/08/01 至 2021/07/31	科技部	已結案	1,295,000
翻牆失智日照中心-大同福樂學堂智慧化定位模式(108-2745-8-037-006-)	主持人	2019/06/01 至 2020/05/31	科技部	已結案	650,000
以次世代定序技術鑑別關節炎的小分子核醣核酸及影響標靶 (107-2635-B-037-001-)	共同主持人	2018/08/01 至 2019/07/31	科技部	已結案	738,000
以前瞻性雙盲隨機對照試驗比較自體血小板濃縮血漿與玻尿酸治療對膝關節骨性關節炎結構變化進展的影響(106-2314-B-037-089-)	主持人	2017/08/01 至 2018/10/31	科技部	已結案	1,329,000
老人腕部骨折合併帕金森症病人術後長期療效和健康資源使用 (104-2314-B-037-026-MY3)	共同主持人	2015/08/01 至 2018/07/31	科技部	已結案	3,114,000

## 期刊論文

1. Wang YC, Lee CL, Chen YJ, Tien YC, Lin SY, Chen CH, Chou PP, Huang HT. Comparing the Efficacy of Intra-Articular Single Platelet-Rich Plasma(PRP) versus Novel Crosslinked Hyaluronic Acid for Early-Stage Knee Osteoarthritis: A Prospective, Double-Blind, Randomized Controlled Trial. *Medicina (Kaunas)*. 2022 Aug 1;58(8):1028.
2. G Hsu CH, Huang HT, Chen CH, Fu YC, Chou PH, Hsu NC.
3. Global Impact of the COVID-19 Pandemic on Orthopedics and the Implications of Telemedicine: A Systematic Review of the Literature. *J Clin Med*. 2022 May 25;11(11):2983.
4. Lee CL, Wang YC, Huang HT, Chen CH, Chang KL, Tien YC. Efficacy of Intra-Articular Injection of Biofermentation-Derived High-Molecular Hyaluronic Acid in Knee Osteoarthritis: An Ultrasonographic Study. *Cartilage*. 2022 Jan-

Mar;13(1):19476035221077404.

5. Yen SH, Lu CC, Ho CJ, Huang HT, Tu HP, Chang JK, Chen CH, Lin SY. Impact of Wedge Effect on Outcomes of Intertrochanteric Fractures Treated with Intramedullary Proximal Femoral Nail. *J Clin Med*. 2021 Oct 30;10(21):5112.
6. Chen CH, Cheng TL, Chang CF, **Huang HT**, Lin SY, Wu MH, Kang L. Raloxifene Ameliorates Glucosamine-Induced Insulin Resistance in Ovariectomized Rats. *Biomedicines*. 2021 Aug 30;9(9):1114
7. Chou SH, Lin SY, Shen PC, Tu HP, **Huang HT**, Shih CL, Lu CC. Pain Control Affects the Radiographic Diagnosis of Segmental Instability in Patients with Degenerative Lumbar Spondylolisthesis. *J Clin Med*. 2021 Sep 2;10(17):3984.
8. Shen PC, Chou SH, Lu CC, **Huang HT**, Chien SH, Huang PJ, Liu ZM, Shih CL, Su SJ, Chen LM, Tien YC. Shockwave Treatment Enhanced Extracellular Matrix Production in Articular Chondrocytes Through Activation of the ROS/MAPK/Nrf2 Signaling Pathway. *Cartilage*. 2021 Jul 8:19476035211012465.
9. Wu YZ, **Huang HT**, Ho CJ, Shih CL, Chen CH, Cheng TL, Wang YC, Lin SY. Molecular Weight of Hyaluronic Acid Has Major Influence on Its Efficacy and Safety for Viscosupplementation in Hip Osteoarthritis: A Systematic Review and Meta-Analysis. *Cartilage*. 2021 Jun 10:19476035211021903
10. Wu YZ, **Huang HT**, Cheng TL, Lu YM, Lin SY, Ho CJ, Lee TC, Hsu CH, Huang PJ, Huang HH, Li JY, Su YD, Chen SC, Kang L, Chen CH. Application of microRNA in Human Osteoporosis and Fragility Fracture: A Systemic Review of Literatures. *Int J Mol Sci*. 2021 May 15;22(10):5232.
11. Jian SY, Aktug SL, **Huang HT**, Ho CJ, Lin SY, Chen CH, Wang MW, Tseng CC. The Potential of Calcium/Phosphate Containing MAO Implanted in Bone Tissue Regeneration and Biological Characteristics. *Int J Mol Sci*. 2021 Apr 29;22(9):4706.
12. Lu CC, Ho CJ, **Huang HT**, Lin SY, Chou SH, Chou PH, Ho ML, Tien YC. Effect of Freshly Isolated Bone Marrow Mononuclear Cells and Cultured Bone Marrow Stromal Cells in Graft Cell Repopulation and Tendon-Bone Healing after Allograft Anterior Cruciate Ligament Reconstruction. *Int J Mol Sci*. 2021 Mar 10;22(6):2791.
13. Yang CD, Chuang SC, Cheng TL, Lee MJ, Chen HT, Lin SY, **Huang HT**, Ho CJ, Lin YS, Kang L, Ho ML, Chang JK, Chen CH. An Intermediate Concentration of Calcium with Antioxidant Supplement in Culture Medium Enhances Proliferation and Decreases the Aging of Bone Marrow Mesenchymal Stem Cells. *Int J Mol Sci*. 2021 Feb 20;22(4):2095.
14. Shih CL, Huang PJ, **Huang HT**, Chen CH, Lee TC, Hsu CH. Impact of the COVID-19 pandemic and its related psychological effect on orthopedic surgeries conducted in different types of hospitals in Taiwan. *J Orthop Surg (Hong Kong)*. 2021 Jan-Apr;29(1):2309499021996072.
15. **Huang HT**, Cheng TL, Ho CJ, Huang HH, Lu CC, Chuang SC, Li JY, Lee TC, Chen ST, Lin YS, Lee CY, Kang L, Lin SY, Chen CH. Intra-Articular Injection of (-)-Epigallocatechin 3-Gallate to Attenuate Articular Cartilage Degeneration by Enhancing Autophagy in a Post-Traumatic Osteoarthritis Rat Model. *Antioxidants (Basel)*. 2020 Dec 23;10(1):E8. doi: 10.3390/antiox10010008.
16. **Huang HT**, Cheng TL, Yang CD, Chang CF, Ho CJ, Chuang SC, Li JY, Huang SH, Lin YS, Shen HY, Yu TH, Kang L, Lin SY, Chen CH. Intra-Articular Injection of (-)-Epigallocatechin 3-Gallate (EGCG) Ameliorates Cartilage Degeneration in Guinea Pigs with Spontaneous

Osteoarthritis. *Antioxidants* (Basel). 2021 Jan 26;10(2):178.

17. **Huang HT**, Cheng TL, Lin SY, Ho CJ, Chyu JY, Yang RS, Chen CH, Shen CL. (2020, Nov). Osteoprotective Roles of Green Tea Catechins. *Antioxidants* (Basel)., 16;9(11):1136.
18. YH Lin, Lin Kang, WH Feng, TL Cheng, Wei-Chung Tsai, **Huang HT**, HC Lee, CH Chen (2020, Jul). Effects of Lipids and Lipoproteins on Mesenchymal Stem Cells Used in Cardiac Tissue Regeneration. *Int J Mol Sci*, 21(13):4770.
19. **Huang HT**, Tun-Chieh Chen, Tzu-Yin Liu, Chun-Feng Chiu, Wen-Chien Hsieh, Chih-Jen Yang, Yen-Hsu Chen. (2020, Jun). How to prevent outbreak of a hospital-affiliated dementia day-care facility in the pandemic COVID-19 infection in Taiwan. *J Microbiol Immunol Infect*, 53(3):394-395.
20. Sung-Yen Lin, Jung Yu Kan, Cheng-Chang Lu, Han Hsiang Huang, Tsung-Lin Cheng, **Huang HT**, Cheng-Jung Ho, Tien-Ching Lee, Shu-Chun Chuang, Yi-Shan Lin, Lin Kang , Chung-Hwan Chen. (2020, Apr). Green Tea Catechin (-)-Epigallocatechin-3-Gallate (EGCG) Facilitates Fracture Healing. *Biomolecules*, 10(4):620.
21. CH Chen, PJHuang, **Huang HT**, SY Lin, HY Wang, TJ Fang, YC Lin, CJ Ho, TC Lee , YM Lu, HC Chiu (2019, Nov). Impact of orthogeriatric care, comorbidity, and complication on 1-year mortality in surgical hip fracture patients: An observational study. *Medicine (Baltimore)*., 98(47):e17912.
22. Hsu CH, Hsu NC, Shih CL, **Huang HT**, Chen CH, Chou PH. (2019, Oct). Medication-Taking Habit and Outcome of Glucosamine Sulfate for Osteoarthritis Patients Influenced by National Health Insurance Regulations in Taiwan.. *Journal of Clinical Medicine* , 19;8(10). pii: E1734. doi: 10.3390/jcm8101734.
23. Wang YC, **Huang HT**, Huang PJ, Liu ZM, Shih CL.c (2019, Oct). Efficacy and Safety of Extracorporeal Shockwave Therapy for Treatment of Knee Osteoarthritis: A Systematic Review and Meta-analysis.. *PAIN MEDICINE*, 18. pii: pnz262. doi: 10.1093/pm/pnz262. (SCI, 38/160, MEDICINE, GENERAL & INTERNAL).
24. Lin SY, **Huang HT**, Chou SH, Ho CJ, Liu ZM, Chen CH, Lu CC. (2019, Sep). The Safety of Continuing Antiplatelet Medication Among Elderly Patients Undergoing Urgent Hip Fracture Surgery.. *Orthopedics*, 1;42(5):268-274.
25. Wang YC, Chen SJ, Huang PJ, **Huang HT**, Cheng YM, Shih CL. (2019, Sep). Efficacy of Different Energy Levels Used in Focused and Radial Extracorporeal Shockwave Therapy in the Treatment of Plantar Fasciitis: A Meta-Analysis of Randomized Placebo-Controlled Trials.. *Journal of Clinical Medicine*, 19;8(9). pii: E1497. doi: 10.3390/jcm8091497.
26. Lin SY, Chen CH, Fu YC, Huang PJ, Chang JK, **Huang HT**. (2019, May). Corrigendum to "The Efficacy of Combined Use of Intraarticular and Intravenous Tranexamic Acid on Reducing Blood Loss and Transfusion Rate in Total Knee Arthroplasty" [*Journal of Arthroplasty* (2015) 776-780].. *JOURNAL OF ARTHROPLASTY* , 34(5):1047.
27. Chen ST, Kang L, Wang CZ, Huang PJ, **Huang HT**, Lin SY, Chou SH, Lu CC, Shen PC, Lin YS, Chen CH\*. (2019, Jan). (-)-Epigallocatechin-3-Gallate Decrease Osteoclastogenesis via Modulation of RANKL and Osteoprotegerin. *Molecules*, 23(12), 3221. (SCI, 131/25,3BIOCHEMISTRY & MOLECULAR BIOLOGY - SCIE).
28. Lin SY, Kang L, Wang CZ, Huang HH, Cheng TL, **Huang HT**, Lee MJ, Lin YS, Ho ML, Wang GJ, Chen CH. (2018, Dec). (-)-Epigallocatechin-3-Gallate (EGCG) Enhances Osteogenic Differentiation of Human Bone Marrow Mesenchymal Stem Cells.. *Molecules*, 6;23(12).
29. Su YJ, Lin SY, **Huang HT**, Chang JK, Chen CH. (2017, Dec). Intravenous drug abuse is a risk

factor in the failure of two-stage treatment for infected total hip arthroplasty.. Kaohsiung J Med Sci. , 33(12):623-629.

30. Lee TC, Ho PS, Lin HT, Ho ML, **Huang HT**, Chang JK. (2017, Jul). One-Year Readmission Risk and Mortality after Hip Fracture Surgery: A National Population-Based Study in Taiwan. Aging Dis., 21;8(4):402-409..