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現職：

高雄醫學大學附設中和紀念醫院關節重建科主治醫師

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Education and Training：

高雄醫學大學醫學系醫學士

高雄醫學大學生物醫學工程博士班

Experience：

高醫骨科部住院醫師、總醫師

高醫骨科部關節重建科主治醫師

高雄市立小港醫院骨科主治醫師

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中華民國關節重建醫學會會員

國際骨折內固定及創傷研究學會亞太區臨床研究員

日本湘南鎌倉綜合醫院骨創傷中心研究員

日本大阪高槻綜合醫院關節重建中心進修

Expertise：

人工關節及關節重建手術、關節內視鏡手術、骨創傷及微創手術、骨質疏鬆症

近五年內執行及申請中之研究計畫

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
Gait and Functional Assessment of Knee Arthroplasty with Kinect Sensor	主持人	109/1~110/6	大同醫院 kmtth-108-008	結案	165000
Compare the Quadriceps Function of Adductor Canal Block Versus Femoral Nerve Block with Electromyography Following Total Knee Arthroplasty: A Double Blinded Randomized Controlled Trial	共同主持人	109/1~110/6	大同醫院 kmtth-108-020	結案	190000
Improve patient satisfaction from digitalized information platform of joint reconstruction center	共同主持人	109/1~110/6	大同醫院 kmtth-108-027	結案	45000
Develop of Non-contact type gait identification system	共同主持人	108/11~109/10	高醫中山 產學合作 108KN009	結案	125000
Kinematic gait analysis of patients after total knee arthroplasty	主持人	110/1~111/06	大同醫院 kmtth-109-012	結案	170500
The results of pain control and function with the application of novel slow release analgesic - Naldebain during Total Knee Arthroplasty: A Double Blinded Randomized Controlled Trial	共同主持人	110/1~111/06	大同醫院 kmtth-109-011	結案	220000
Intelligent gait analysis in knee arthroplasty with machine learning	主持人	111/1~112/06	大同醫院 kmtth-110-023	結案	150000
Using surgical pleth index to evaluate the different concentrations of Ropivacaine in peri-operative pain control during knee arthroplasty	共同主持人	111/1~111/12	大同醫院 kmtth-110-022	結案	130000
Compare the quadriceps function with electromyography using different concentration of adductor canal nerve block during knee	主持人	112/1~113/06	大同醫院 kmtth-111-013	結案	280000

arthroplasty					
Prediction of CBC level change and risk of transfusion after knee arthroplasty with a Machine Learning Model	主持人	114/1~	大同醫院	申請中	

期刊論文

1. Titanium Elastic Nail versus plate fixation of displaced midshaft clavicle fractures: A retrospective comparison study.

Ying-Chun Wang, Yin-Chih Fu, Shih-Hsiang Chou, Ping-Cheng Liu, Yin-Chun Tien, Cheng-Chang Lu
Kaohsiung J Med Sci. 2015 Sep

2. 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.

Ying-Chun Wang, Shu-Jung Chen, Peng-Ju Huang, Hsuan-Ti Huang,
Yuh-Min Cheng, Chia-Lung Shih
J Clin Med. 2019 Sep

3. Efficacy and Safety of Extracorporeal Shockwave Therapy for Treatment of Knee Osteoarthritis: A Systematic Review and Meta-analysis.

Ying-Chun Wang, Hsuan-Ti Huang, Peng-Ju Huang, Zi-Miao Liu, Chia-Lung Shih
Pain Med. 2020 Apr

4. Molecular Weight of Hyaluronic Acid Has Major Influence on Its Efficacy and Safety for Viscosupplementation in Hip Osteoarthritis: A Systematic Review and Meta-Analysis.

Yen-Zung Wu, Hsuan-Ti Huang, Cheng-Jung Ho, Chia-Lung Shih, Chung-Hwan Chen, Tsung-Lin Cheng, Ying-Chun Wang, Sung-Yen Lin
Cartilage. 2021 Dec

5. Efficacy of Intra-Articular Injection of Biofermentation-Derived High-Molecular Hyaluronic Acid in Knee Osteoarthritis: An Ultrasonographic Study

Chia-Ling Lee, Ying-Chun Wang, Hsuan-Ti Huang, Chia-Hsin Chen, Kee-Lung Chang, and Yin-Chun Tien
Cartilage. 2022 Jan-Mar

6. The Role of Mitochondrial Metabolism, AMPK-SIRT Mediated Pathway, LncRNA and MicroRNA in Osteoarthritis

Hao-Yu Liu, Chi-Fen Chang, Cheng-Chang Lu, Shun-Cheng Wu, Bin Huang, Tsung-Lin Cheng, Sung-Yen Lin, Cheng-Jung Ho, Mon-Juan Lee, Chung-Da Yang, **Ying-Chun Wang**, Jhong-You Li, Ping-Cheng Liu, Chun-Wang Wei, Lin Kang and Chung-Hwan Chen

Biomedicines. 2022

7. 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

Ying-Chun Wang, Chia-Ling Lee, Yu-Jen Chen, Yin-Chun Tien, Sung-Yen Lin, Chung-Hwan Chen, Paul Pei-Hsi Chou, Hsuan-Ti Huang

Medicina (Kaunas). 2022

8. The Role of Autophagy in Osteoarthritic Cartilage

Wei-Chun Kao, Jian-Chih Chen, Ping-Cheng Liu, Cheng-Chang Lu, Sung-Yen Lin, Shu-Chun Chuang, Shun-Cheng Wu, Ling-hua Chang, Mon-Juan Lee, Chung-Da Yang, Tien-Ching Lee, **Ying-Chun Wang**, Jhong-You Li, Chun-Wang Wei, Chung-Hwan Chen

Biomolecules. 2022

9. Compare the Quadriceps Activity between Mini-Midvastus and Mini-Medial Parapatellar Approach in Total Knee Arthroplasty with Electromyography

Ying-Chun Wang, Sheng-Hua Wu, Chi-An Chen, Jing-Min Liang, Chia-Chi Yang, Chung-Hwan Chen, Wan-Rong Chung, Paul Pei-Hsi Chou, Hsuan-Ti Huang

J Clin Med. 2024 May

10. Minimally Invasive Plate Osteosynthesis with Mini-Open Technique and Supraclavicular Nerve Preservation Reduces Postoperative Numbness in Acute Displaced Midshaft Clavicle Fracture

Li-Tzu Liu 1, Jian-Chih Chen, Tsung-Cheng Yang, Hsiang-Jui Tseng, Shen-Ho Yen, Cheng-Chang Lu, Chung-Hwan Chen, Wan-Rong Chung and **Ying-Chun Wang***

Medicina. 2024 October