APMSIS

Asia-Pacific Musculoskeletal Infection Society

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Co-organized with United Orthopedic Corporation

2025.10.25

AUTUMN MEETING 2025

台北萬豪酒店3樓 (3rd Floor, Taipei Marriott Hotel) 金馬廳 (Jin Ma Room)

亞太肌肉骨骼感染學會學術研討會
Asia-Pacific Musculoskeletal Infection Society-Autumn Meeting

台北萬豪酒店 3 樓 (3rd Floor, Taipei Marriott Hotel) 金馬廳 (Jin Ma Room)

2025.10.25 13:30-17:00

13:30	Administration		
13:30 | 13:35	Opening	Steve WN Ueng, MD 翁文能 President of APMSIS	
13:30 | 13:35	Introduction of Course	Yuhan Chang, MD, PhD 張毓翰 Secretary General of APMSIS	

SESSION I. Fracture-related Infection

Time	Topic	Speaker	Moderator
13:35 | 13:50	NPAI Therapy for PJI: Redefining Local Antibiotic Delivery	林峻正 Chun-Cheng Lin, MD, PhD Taipei Veterans General Hospital, Taiwan	徐永衡 Yung-Heng Hsu, MD, PhD Chung Gung Memorial Hospital, Taiwan
13:50 | 14:05	Continuous local antibiotic perfusion: Adjuvant therapy for fracture-related infections with subacute and chronic osteomyelitis	李彥緯 Yen-Wei Li, MD E-Da Hospital, Taiwan	吳金獻 Chin-Hsien Wu, MD E-Da Hospital, Taiwan
14:05 — 14:15 Discussion		徐永衡 Yung-Heng Hsu, MD, PhD / 吳金獻 Chin-Hsien Wu, MD	

SESSION II. Periprosthetic Joint Infection

Time	Topic	Speaker	Moderator
14:15 | 14:30	How to select the optimal surgical strategy for chronc hip/knee PJI: Ones -stage, 1.5 stage or Two-stage Revision	Fatih Kucukdurmaz, MD, PhD VM Medical Park Maltepe Hospital, Turkey	蔡尚聞 Shang-Wen Tsai, MD Taipei Veterans General Hospital, Taipei, Taiwan
14:30 | 14:45	The Challenges in the Diagnosis of Periprosthetic infection	Fatih Kucukdurmaz, MD, PhD VM Medical Park Maltepe Hospital, Turkey	戴大為 David, Ta-Wei Tai, MD, PhD National Cheng Kung University Hospital, Tainan
14:40 — 14:55 Discussion		蔡尚聞 Shang-Wen Tsai, MD / 戴大為 David, Ta-Wei Tai, MD, PhD	
14:55 — 15:30 會員大會及 Coffee Break			

SESSION III. Infection Specialist Prospective

Time	Topic	Speaker	Moderator
15:30 | 15:45	What should we know about polymicrobial PJI	蔡家宏 Chia-Hung Tsai, MD Chi Mei Medical Center, Tainan, Taiwan	湯宏仁 Hung-Jen Tang, MD Chi Mei Medical Center, Taiwan
15:45 | 16:00	Management of treatment failure PJI	王甯祺 Ning-Chi Wang, MD Tri-Service General Hospital, Taiwan	黃建賢 Chien-Hsien Huang, MD Shin Kong Wu Ho-Su Memorial Hospital, Taiwan
16:00 — 16:10 Discussion		湯宏仁 Hung-Jen Tang, MD / 黃建賢 Chien-Hsien Huang, MD	

SESSION IV. Spine Related Infection

Time	Topic	Speaker	Moderator
16:10 | 16:25	Treatment strategy for postoperative infection after anterior cervical spine surgery	Jong-Beom Park, MD, PhD The Catholic University of Korea College of Medicine, Korea	賴伯亮 Po-Liang Lai, MD, PhD Chung Gung Memorial Hospital, Taiwan
16:25 | 16:40	Spinal Osteomyelitis and Discitis: Bridging Diagnostics, Surgery, and Novel Therapeutics	陳顯文 Hao-wen Chen, MD, PhD Hualien Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, Taiwan	陳賢德 Hsien-Te Chen, MD, PhD China Medical University Hospital, Taiwan
16:40 — 16:50 Discussion		賴伯亮 Po-Liang Lai, MD, PhD / 陳賢德 Hsien-Te Chen, MD, PhD	
16:50 — 17:00 Close Remark		翁文能 Steve WN Ueng, MD	

NPAI Therapy for PJI: Redefining Local Antibiotic Delivery

林峻正 Chun-Cheng Lin, MD, PhD
Taipei Veterans General Hospital, Taiwan

Chronic prosthetic joint infection (PJI) continues to challenge orthopaedic surgeons due to biofilm persistence, soft-tissue compromise, and the limitations of two-stage revision arthroplasty. Negative Pressure Antibiotic Instillation (NPAI) Therapy, with its first clinical implementation at Taipei Veterans General Hospital since 2023, offers a paradigm shift, combining radical debridement with targeted intra-compartmental high-dose antibiotic delivery. Using controlled instillation (2 mL/hour) into anatomically defined “intra-spaces” adjacent to implants, NPAI achieves sustained concentrations exceeding biofilm eradication thresholds while preserving mechanically stable prostheses.

The technique incorporates a structured algorithm for intra-space access, antibiotic selection, and criteria for system weaning or revision. For total knee arthroplasty, intra-spaces are identified post-debridement; for total hip arthroplasty, targeted tunnels are created. By integrating directional flow control with synchronized suction drainage, NPAI maximizes local exposure and addresses the core drawbacks of prolonged spacer retention and unnecessary implant removal. This presentation will share key technical principles, clinical decision frameworks, and strategic insights from real-world PJI applications.

Continuous local antibiotic perfusion: Adjuvant therapy for fracture-related infections with subacute and chronic osteomyelitis

李彥緯 Yen-Wei Li｜吳金獻 Chin-Hsien Wu
馬景侯 Ching-Hou Ma｜杜元坤 Yuan-Kun Tu
Orthopedics, E-Da Hospital, Taiwan

Subacute and chronic osteomyelitis are difficult to treat because of the poor blood supply to the surrounding tissues and bone. Hence, in addition to systemic antibiotic administration, radical debridement is often required, followed by secondary reconstruction of the anatomical defects. We present a case series of fracture-related infections with subacute and chronic osteomyelitis treated using continuous local antibiotic perfusion (CLAP) through bone marrow needles (intramedullary antibiotic perfusion, iMAP). Our goal is to perform limited debridement to preserve bone stock and reduce the complexity of secondary reconstruction.

Regarding the surgical procedure, the loosened implants were removed first, followed by limited debridement of the surrounding tissues and bone. Two bone marrow needles were percutaneously inserted proximally and distally to the lesions. Negative pressure wound therapy was then applied to the lesion site. CLAP was initiated by infusing gentamicin through the bone marrow needles at a rate of 2 ml/h and a concentration of 1200 μg/ml. The concentration of gentamicin was adjusted based on serum gentamicin levels, which were monitored twice a week to minimize systemic adverse effects. CLAP therapy usually lasted for 2 weeks; systemic antibiotics were continued for 3–4 weeks, then switched to oral antibiotics before discharge.

CLAP therapy allows local administration of sufficient antibiotics to bone and soft tissue infection sites. It may serve as an adjuvant therapy for subacute and chronic osteomyelitis.

How to select the optimal surgical strategy for chronic hip/knee PJI: Ones -stage, 1.5 stage or Two-stage Revision

Fatih Küçükdurmaz,M.D.
Professor in Orthopedics and Traumatology
Medical School, Istinye University, Turkey

Chronic periprosthetic joint infection (PJI) of the hip and knee remains one of the most complex challenges in arthroplasty surgery. Surgical management is the cornerstone of treatment, yet the optimal strategy—one-stage, 1.5-stage, or two-stage revision—remains debated and must be tailored to patient, host, and pathogen factors.

One-stage revision offers the advantage of a single surgical episode, faster recovery, and lower morbidity, with infection eradication rates comparable to two-stage procedures in carefully selected patients. Success depends on a well-characterized pathogen with known sensitivities, good host immune status, and preserved bone and soft tissue conditions.

Two-stage revision remains the gold standard in many centers, particularly in cases of resistant or unknown organisms, compromised soft tissue, or systemic comorbidities. While effective, it is associated with higher patient burden, prolonged disability, and increased cost.

The 1.5-stage approach—involving placement of a functional articulating spacer without routine reimplantation—has emerged as an intermediate strategy. It provides pain relief and mobility while maintaining infection control, with potential for long-term retention in medically frail patients or those unwilling to undergo a second procedure.

Optimal strategy selection requires balancing eradication rates, patient comorbidities, functional demands, and microbiological complexity. Future directions include risk stratification models and consensus algorithms that integrate clinical, host, and pathogen variables to individualize treatment. Ultimately, surgical decision-making in chronic PJI must move beyond “one-size-fits-all” and embrace a patient-centered, evidence-driven approach.

The Challenges in the Diagnosis of Periprosthetic infection

Fatih Küçükdurmaz,M.D.
Professor in Orthopedics and Traumatology
Medical School, Istinye University, Turkey

The Challenges in the Diagnosis of Periprosthetic Joint Infection

Periprosthetic joint infection (PJI) is one of the most devastating complications of arthroplasty, yet its diagnosis remains elusive. The difficulty arises not only from variable clinical presentation but also from the highly sophisticated behavior of causative bacteria. Far from being simple unicellular organisms, pathogens in PJI exist in biofilms and osteocytic–canalicular networks, where they communicate through quorum-sensing mechanisms, adapt to environmental changes, and evade host immunity. This collective "swarm intelligence" enables them to persist in a dormant or low-virulence state, producing indolent infections that mimic aseptic failure.

Traditional diagnostic tools—ESR, CRP, and synovial fluid cultures—are often unreliable, with culture-negative rates approaching 20% and sensitivity as low as 52%. Low-grade organisms such as Cutibacterium acnes further complicate detection, while postoperative inflammatory responses confound serological markers. Advanced tests, including D-dimer, α-defensin, leukocyte esterase, and molecular platforms (PCR, next-generation sequencing), have shown high sensitivity and specificity, yet they remain imperfect, with issues of accessibility, cost, and occasional false results (e.g., metallosis-related α-defensin positivity).

Consensus criteria now promote a multiparametric approach, combining clinical, biochemical, microbiological, histological, and molecular evidence. Nevertheless, overall diagnostic accuracy hovers near 80%, reflecting the profound biological complexity of PJI. Continued innovation is required to unravel bacterial adaptive strategies and to refine diagnostic tools that can reliably distinguish infection from aseptic failure.

What should we know about polymicrobial infection?

Chia-Hung Tsai M.D.
Division of Infectious Diseases, Department of Internal Medicine
Chi Mei Medical Center, Tainan, Taiwan

Polymicrobial infections represent a significant and often underrecognized challenge in the management of bone and joint infections. Unlike monomicrobial disease, these infections involve the coexistence of multiple bacterial or fungal species, often with diverse pathogenicity and resistance mechanisms. They are particularly associated with prosthetic joint infections, diabetic foot osteomyelitis, and post-traumatic wounds, where biofilm formation and complex microbial interactions complicate both diagnosis and treatment. Clinically, polymicrobial infections are linked with higher rates of treatment failure, prolonged hospital stays, and increased morbidity.

Accurate diagnosis requires a combination of careful microbiological sampling, optimized culture techniques, and the use of molecular methods to detect fastidious or slow-growing organisms. Therapeutic strategies must balance broad-spectrum empiric coverage with subsequent targeted therapy guided by susceptibility data. The presence of multiple pathogens increases the risk of antimicrobial resistance, drug-drug interactions, and the need for combination therapy. In surgical management, debridement and removal of infected prosthetic material are often essential, highlighting the importance of a multidisciplinary approach involving infectious diseases specialists, orthopedic surgeons, and microbiologists.

Importantly, understanding polymicrobial infections requires not only recognition of the individual pathogens but also their synergistic or antagonistic interactions within biofilms. Future directions include better diagnostic platforms, novel anti-biofilm therapies, and optimized treatment algorithms tailored to complex microbial communities. By appreciating the unique challenges of polymicrobial infections, clinicians can improve outcomes in patients with difficult-to-treat bone and joint infections.

Management of treatment failure Prosthetic Joints Infections

王甯祺 Ning-Chi Wang, MD
Tri-Service General Hospital, Taiwan

Post-surgical implants infections will influence the post-surgery outcome in orthopedic patients. There are several factors influence the antibiotic treatment successful rate for prosthetic implant infections. Local pharmacodynamic and pharmacokinetic data over surgical site are very important factors in treatment success rate. Another factor is biofilm formation which will induce or inhibit by different antibiotics. Intravenous glycopeptides are commonly administered in prosthetic implant infections but will induce biofilm formation over implants. This phenomenon will decrease the treatment effect of antibiotics, especially glycopeptides, may be another cause of treatment failure. Several new antibiotics could decrease biofilm formation and penetrate into biofilm over infected implants, include daptomycin, ceftaroline, rifampicin, and fosomycin. Combination treatment of antibiotics is another selection for implant infections which are not responded to glycopeptides administration. Local bacteria burden over surgical and infection sites is another important factor for treatment successful rate.

Treatment Strategy for Postoperative Infection after Anterior Cervical Spine Surgery

Jong-Beom Park, MD, PhD
Department of Orthopaedic Surgery, Uijeongbu St. Mary's Hospital, The Catholic University of Korea College of Medicine, Korea

Postoperative infection following anterior cervical spine surgery, particularly when complicated by esophageal injury, is a rare but serious condition associated with significant morbidity and mortality. This review elucidates the complex interplay between postoperative infection and esophageal injury. We systematically analyzed studies from 2000 to 2025 using PubMed, Scopus, and Web of Science, focusing on infection, esophageal injury, surgical outcomes, and management strategies, with emphasis on recent advances in diagnostics, surgical techniques, and postoperative care. Our findings highlight the multifactorial nature of these complications and the critical role of early recognition, accurate diagnosis, and timely management. Imaging modalities such as CT, MRI, and contrast esophagography, along with flexible esophagoscopy, are indispensable in assessing injury and infection extent. Effective management requires a multidisciplinary approach integrating broad-spectrum antibiotics, surgical debridement, vascularized flap reinforcement, negative pressure wound therapy, and antibiotic-loaded cement beads. Meticulous postoperative care with prolonged antibiotics, nutritional support, and imaging follow-up is vital for optimizing outcomes. Innovative approaches, including vascularized muscle flaps and hyperbaric oxygen therapy, show promise in enhancing healing and reducing infections. Our review underscores the need for future meta-analyses to strengthen evidence and refine protocols. As surgical techniques evolve, so too must our diagnostic, surgical, and postoperative strategies to minimize complications and improve patient outcomes.

Spinal Osteomyelitis and Discitis: Bridging Diagnostics, Surgery, and Novel Therapeutics

陳顥文 Howard CHEN, M.D., Ph.D.
Hualien Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, Taiwan

Spinal osteomyelitis and discitis present increasing clinical challenges, particularly in aging and immunocompromised populations, due to diagnostic delays, resistant organisms, and uncertainty regarding optimal management. This symposium synthesizes recent literature on diagnostic innovations, antibiotic regimens, minimally invasive surgical (MIS) techniques, and local antibiotic delivery systems. Data were drawn from systematic reviews, meta-analyses, and clinical guidelines from Europe, Asia, and North America.

Advanced imaging, particularly MRI combined with PET/CT, remains the diagnostic standard, while molecular approaches such as metagenomic next-generation sequencing (mNGS) significantly improve pathogen detection and targeted therapy. Antibiotic therapy of 4–8 weeks, tailored by culture or molecular results, has shown comparable efficacy to prolonged regimens, with oral options effective in selected patients. Minimally invasive (MIS) surgical approaches—including percutaneous pedicle screw fixation, endoscopic debridement, and lateral lumbar interbody fusion—demonstrate high infection resolution rates, reduced morbidity, and faster recovery compared to traditional open surgery. Early surgical intervention consistently correlates with reduced mortality and relapse, particularly in patients with instability or neurological compromise.

Emerging local antibiotic delivery systems, including antibiotic-impregnated polymethylmethacrylate (PMMA), bone cement spacers, hydrogels, and nanotechnology-based carriers, offer sustained localized therapy, infection control, and promotion of bone healing, though long-term evidence is limited. Treatment algorithms integrating clinical scoring systems (e.g., SITE Score), multidisciplinary collaboration, and tailored surgical-medical strategies improve decision-making and patient outcomes.

Overall, the evolving landscape of spinal infection management emphasizes the integration of MIS techniques, advanced diagnostics, optimized antibiotic stewardship, and innovative biomaterials. While these advances highlight promising directions, standardized protocols and prospective multicenter studies remain necessary to validate long-term efficacy and refine evidence-based care for spinal osteomyelitis and discitis.

President of APMSIS

翁文能
Steve Wen-Neng Ueng, M.D.

- Taipei Medical College, MD (1970~1997)
- Chang Gung Memorial Hospital, Surgical Resident (1979.05~1981.06)
- Chang Gung Memorial Hospital, Orthopedics Resident (1981.07~1983.06)
- Chang Gung Memorial Hospital, Orthopedics Chief Resident (1983.07~1984.06)
- B.G. Trauma Clinic in Frankfurt, Germany (Osteomyelitis), Fellowship (1987.03~04)
- Philipps-University of Marburg, Germany (Traumatology), Fellowship (1987.05)
- Emory University, Atlanta, GA, U.S.A. (Musculoskeletal sepsis), Fellowship (1990.07~12)
- Chang Gung Memorial Hospital, Orthopedics, Attending Staff (1984.07~ Now)
- Chang Gung Memorial Hospital, Chief of Department of Orthopedic Surgery (1994.07~10/1997)
- Chang Gung Memorial Hospital-Keelung, Vice-Superintendent (1997.08~1999.05)
- Chang Gung Memorial Hospital-Keelung, Superintendent (1999.05~2003.10)
- Chang Gung University, Professor of Orthopedic Surgery (1999.08~Now)
- Chang Gung Memorial Hospital-Linkou, Executive Vice Superintendent (2003.02~2012.01)
- Chang Gung Memorial Hospital-Linkou, Superintendent (2012.03~2016.06)

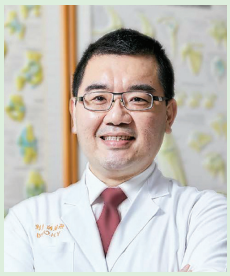
Now

• Asia Pacific Musculoskeletal Infection Society	President (2023.10~Now)
• Chang Gung Memorial Hospital-Linkou	Emeritus Superintendent (2016.07~Now)
• Chang Gung University	Professor of Orthopedic Surgery (1999.08~Now)
• Chang Gung University	Board of Directors (1998.10~Now)

Experience

• Taiwan Hospital Association	President (2017.08~2023.09)
• Chang Gung Memorial Hospital	Board of Directors (2016.11~2024.11)
• Chang Gung Steering Committee	Vice-Chairman (2015.01~2016.06)
• Taiwan Orthopaedic Association	President (2014.10~2016.11)
• Chang Gung Memorial Hospital	Superintendent (2012.02~2016.06)
• Taiwan Medical Center Association	President (2012.06~2016.06)
• Association of Hyperbaric and Undersea Medicine, ROC	President (2012.06~2014.06)

Secretary General of APMSIS



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Current Position

- Professor of Division of Joint Reconstruction, Department of Orthopaedic Surgery, Chang Gung Memorial Hospital, Linkou, Taiwan
- Deputy Director, Department of Orthopaedic Surgery, Chang Gung Memorial Hospital, Linkou, Taiwan
- Chief of Clinical Trial Center, Chang Gung Memorial Hospital, Linkou, Taiwan
- Vice Chairman of Institute Review Broad, Chang Gung Medical Foundation

Research Field

- Bone and joint Infection, Stem Cell-Based Therapy, Hip/Knee Arthroplasty

Specialties

- Hip/Knee Arthroplasty
- Revision Hip/Knee Arthroplasty
- Stem Cell-Based Therapy

Training Background

- M.D., Medical School of Chung-Shan Medical University, Taichung, Taiwan (1986~1993)
- Ph.D., Graduate Institute of Clinical Medical Sciences, Chang Gung University, Taoyuan, Taiwan (2002~2008)
- Resident of Department of Surgery, Chang Gung Memorial Hospital, Linkou, Taiwan (1995~1999)
- Visiting Staff of Department of Orthopaedic Surgery, Chang Gung Memorial Hospital, Linkou, Taiwan (2000~till now)
- Research Associate, Skeletal Research Center, Case Western Reserved University, Cleveland, Ohio, USA (2004~2006)
- Clinical Fellow, Department of Orthopaedic Surgery, University Hospitals of Cleveland, Ohio, USA (2004~2006)

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Chun-Cheng Lin, M.D, Ph.D.

Expertise

- 四肢重度創傷重建
  Reconstruction for severe open fracture
- 骨胳肌肉與骨科植入物感染治療
  Musculosekeletal & orthopedic implants infection
- 微創骨折手術
  Minimal invasive osteosynthesis
- 微創人工關節手術
  Minimal invasive joint reconstruction

Current Positions

- 臺北榮民總醫院骨科部骨折創傷科主治醫師 (2015~present)
  Attending Surgeon, Division of Trauma, Department of Orthopaedics, Taipei Veterans General Hospital (TVGH)
- 國防醫學院兼任助理教授 (2021~present)
  Assistant Professor, National Defense Medical Center
- 台灣骨科創傷醫學會常務監事 (2024~present)
  Managing Supervisor, Taiwan Orthopaedic Trauma Association (TOTA)
- 台灣醫療器材創新發展協會秘書長 (2024~present)
  Secretary general, Taiwan Medical Device Innovation & Development Association
- 國際骨融合基金會 - 創傷講師 (2020~present)
  Faculty Member of AO Foundation-Trauma
- 中華民國骨科醫學會繼續教育積分審查委員會執行長 (2019~present)
  Director, Committee of Continuous Education Certificate, Taiwan Orthopaedic Association (TOA)
- 中華民國衛生福利部醫療使用管制藥品諮議小組委員 (2018~present)
  Committee Member, Medical-Use Controlled Drug Monitoring Committee, Taiwan Food and Drug Administration, Taiwan
- 中華民國交通部駕駛人醫學諮詢會委員 (2017~present)
  Committee Member, Driver Medical Advisor Committee, Ministry of Transportation and Communications, Taiwan

Experiences

- 重度肢體創傷手術進階訓練，札幌德洲會病院骨科創傷中心 (2022~2023)
  Advanced Clinical Training in the Field of Severe Open Fracture, Orthopaedic Trauma Center, Sapporo Tokushukai Hospital, Hokkaido, Japan
- 臺北榮總蘇澳分院 骨科主治醫師與急診室主任 (2010~2015)
  Attending Physician of Orthopaedics & Chief of Emergent Room, Su-Ao Branch of Taipei Veterans General Hospital in Yi-Lan County
- 臺北榮民骨科部關節重建臨床研究醫師 (2009~2010)
  Fellowship in Adult Joint Reconstruction, Department of Orthopaedics, TVGH
- 臺北榮民骨科部住院總醫師 (2008~2009)
  Chief Resident, Department of Orthopaedics, TVGH
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  Residentship, Department of Orthopaedics, TVGH

Education

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  PhD (2020), Institute of Clinical Medicine, National Yang-Ming University, Taipei, Taiwan
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  MD(2002), School of Medicine, National Defense Medical Center, Taipei, Taiwan

MODERATOR

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Personal information

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Education and professional experience

- 2020~now Associate professor, Department of Orthopedics, Chung Gung Memorial Hospital - Linkou Medical Center
- 2015~2020 Assistant professor, Department of Orthopedics, Chung Gung Memorial Hospital - Linkou Medical Center
- 2018~now Director, Taiwan Orthopaedic Trauma Association
- Diplomat Taiwan Orthopaedic Association
- Diplomat Formosa Association for the Surgery of Trauma, Taiwan
- Diplomat Taiwan Orthopaedic Trauma Association
- 2002~2007 Resident, Orthopedic Department Chang Gung Memorial Hospital
- 2011~2018 Ph.D. program, Graduate Institute of Mechanical Engineering, Chang Gung University
- 1992~1999 Medical Degree (MD), School of Medicine, Department of Medicine, China Medical Collage, Taichung

Present Specialty

Orthopedic traumatology, Joint reconstruction, Periprosthetic joint infection, Chronic osteomyelitis.

Publication

1. Lee GL, Hu CC, Chen MF, Chang Y, Lin YC, Wu YY, Hsu YH (2025, Mar). Inosine from purine metabolism enhances fracture healing by coupling fibrinolysis and angiogenesis of type H vessels. Biochim Biophys Acta Mol Basis Dis, 1871(5):167818.
2. Su YC, Hsu YH, Chou YC, Chen IJ, Lai CY, Yu YH. (2025, Mar). Iatrogenic nerve injury following pelvic ring injury: a network meta-analysis. Int J Surg, 1;111(3):2697-2707.
3. Yang JJ, Hsu YH, Chou YC, Tsai PJ, Liu CH, Yu YH. (2024, Nov). Assessing potential factors leading to perioperative peri-implant fracture in femoral pertrochanteric fracture osteosynthesis using the proximal femoral nail antirotation 2: A retrospective study. BMC Musculoskelet Disord, 21;25(1):943.
4. Yu YH, Chen IJ, Lai CY, Hsu YH, Chou YC. (2024, Apr). Does a simultaneous ventral/dorsal approach provide better reduction quality in treating acetabular fracture involving both columns with displaced posterior wall? . Arch Orthop Trauma Surg, 144(4):1547-1556.
5. Chou YC, Hsu YH, Lee D, Yang JW, Yu YH, Chan EC, Liu SJ. (2024, Mar). Novel Bioresorbable Drug-Eluting Mesh Scaffold for Therapy of Muscle Injury.. ACS Biomater Sci Eng., 2024 Mar 13. doi: 10.1021/acsbiomaterials.3c01669. Epub ahead of print. PMID: 38480510.. (SCI).

6. Hsu YH, Chou YC, Chen CL, Yu YH, Lu CJ, Liu SJ (2024, Feb). Development of novel hybrid 3D-printed degradable artificial joints incorporating electrospun pharmaceutical- and growth factor-loaded nanofibers for small joint reconstruction.. Biomater Adv., 2024 Feb 28;159:213821. doi: 10.1016/j.bioadv.2024.213821. Epub ahead of print. PMID: 38428121.. (SCI).
7. Yu YH, Chen IJ, Lai CY, Hsu YH, Chou YC. (2024, Feb). Does a simultaneous ventral/dorsal approach provide better reduction quality in treating acetabular fracture involving both columns with displaced posterior wall?. Arch Orthop Trauma Surg., 2024 Feb 22. doi: 10.1007/s00402-024-05224-6. Epub ahead of print. PMID: 38386063.. (SCI).
8. Liu HY, Wang HP, Seak CJ, Wu CC, Hsu YH, Lee SH, Lin YE, Wang YT, Shyu YL. (2024, Jan). Influences of Cognitive Function and Depressive Symptoms on Pain Trajectories During the First Year Following Hip Fracture Surgery: A Prospective Cohort Study. . J Am Med Dir Assoc. , 2024 Jan;25(1):104-111. doi: 10.1016/j.jamda.2023.09.030. Epub 2023 Nov 2. PMID: 37926427.. (SCI).
9. Chen MF, Hu CC, Hsu YH, Lin YC, Chen KL, Ueng SWN, Chang Y (2023, Dec). The role of EDIL3 in maintaining cartilage extracellular matrix and inhibiting osteoarthritis development. Bone Joint Res., 2023 Dec 12;12(12):734-746.
10. Lai CY, Liu CH, Lai PJ, Hsu YH, Chou YC, Yu YH (2023, Dec). Perioperative peri-implant fracture after osteosynthesis for geriatric femoral pertrochanteric fracture with the linear compression integrated screw intramedullary nail system (INTERTAN™): a retrospective study. J Orthop Surg Res., 2023 Dec 6;18(1):932.
11. Yu YH, Lee CH, Hsu YH, Chou YC, Hong BK, Huang CT, Liu SJ (2023, Dec). Novel CO2-encapsulated Pluronic F127 hydrogel for the treatment of Achilles tendon injury. Sci Rep., 2023 Dec 11;13(1):21895.
12. Liu HY, Wang HP, Seak CJ, Wu CC, Hsu YH, Lee SH, Lin YE, Wang YT, Shyu YL (2023, Nov). Influences of Cognitive Function and Depressive Symptoms on Pain Trajectories During the First Year Following Hip Fracture Surgery: A Prospective Cohort Study. J Am Med Dir Assoc., 2023 Nov 2:S1525-8610(23)00837-X.
13. Yu YH, Lee CH, Hsu YH, Chou YC, Yu PC, Huang CT, Liu SJ (2023, Nov). Anti-Adhesive Resorbable Indomethacin/Bupivacaine-Eluting Nanofibers for Tendon Rupture Repair: In Vitro and In Vivo Studies.. Int J Mol Sci., 2023 Nov 12;24(22):16235.
14. Liu CH, Tsai PJ, Chen IJ, Yu YH, Chou YC, Hsu YH (2023, Oct). The double-plate fixation technique prevents varus collapse in AO type C3 supra-intercondylar fracture of the distal femur. Arch Orthop Trauma Surg., 2023 Oct;143(10):6209-6217. (SCI).
15. Hsiao PM, Liao SC, Chen IJ, Chou YC, Hsu YH, Wang SM, Yu YH (2023, Sep). Incidence of deep vein thrombosis and symptomatic pulmonary embolism in Taiwanese patients with pelvic and/or acetabular fractures: a retrospective study. Sci Rep., 2023 Sep 28;13(1):16352.
16. Luo AJ, Wang A, Lai CY, Yu YH, Hsu YH, Chou YC, Chen IJ (2023, Sep). Higher pelvic incidence values are a risk factor for trans-iliac trans-sacral screw malposition in sacroiliac complex fracture treatment. J Orthop Traumatol., 2023 Sep 21;24(1):51.
17. Yu YH, Tsai PJ, Liu CH, Chen IJ, Hsu YH, Chou YC (2023, Jul). Simultaneous reduction and fixation of concomitant acetabular fracture and ipsilateral sacroiliac joint injury through the pararectus approach: a technical report and early radiological outcome. Eur J Orthop Surg Traumatol, 2023 Jul;33(5):2159-2168.
18. Yu YH, Tsai PJ, Liu CH, Chen IJ, Hsu YH, Chou YC (2023, Jun). Simultaneous reduction and fixation of concomitant acetabular fracture and ipsilateral sacroiliac joint injury through the pararectus approach: a technical report and early radiological outcome. Eur J Orthop Surg Traumatol, 2023 Jul;33(5):2159-2168.
19. Lai CY, Lai PJ, Tseng IC, Su CY, Hsu YH, Chou YC, Yu YH (2023, May). Morel-Lavallee lesions and number of surgeries for associated injuries predict surgical site infection risk following pelvic ring injury osteosynthesis. Sci Rep, 2023 May 22;13(1):8208.

20. Yu YH, Liu CH, Hsu YH, Chou YC, Chen IJ (2023, May). Pararectus approach to the AO B2.2 pelvic fracture: early functional and radiological outcomes. Eur J Orthop Surg Traumatol.
21. Chen MF, Hu CC, Hsu YH, Chiu YT, Chen KL, Ueng SWN, Chang Y (2023, Apr). Characterization and Advancement of an Evaluation Method for the Treatment of Spontaneous Osteoarthritis in STR/ort Mice: GRGDS Peptides as a Potential Treatment for Osteoarthritis. Biomedicines.
22. Yu YH, Tsai PJ, Liu CH, Chen IJ, Hsu YH, Chou YC, Tseng IC (2023, Apr). Causes of Increased Use of Closed Reduction and Internal Fixation for High-Energy-Related Traumatic Sacral Fractures. World J Surg, 2023 Apr;47(4):903-911.
23. Yung-Heng Hsu, Yi-Hsun Yu, Ying-Chao Chou, Chia-Jung Lu, Yu-Ting Lin, Steve Wen-Neng Ueng*, Shih-Jung Liu* (2023, Feb). Sustained Release of Antifungal and Antibacterial Agents from Novel Hybrid Degradable Nanofibers for the Treatment of Polymicrobial Osteomyelitis. International Journal of Molecular Sciences.
24. Po-Ju Lai, Chih-Yang Lai, I-Chuan Tseng, Chun-Yi Su, Yung-Heng Hsu, Ying-Chao Chou, Yi-Hsun Yu (2022, Dec). A retrospective study of hip posterior fracture-dislocation: closed reduction at the emergency department or in the operation theater?. Journal of Orthopaedics and Traumatology.
25. Yi-Hsun Yu, Ping-Jui Tsai, Chang-Heng Liu, I-Jung Chen, Yung-Heng Hsu, Ying-Chao Chou, I-Chuan Tseng (2022, Dec). Causes of Increased Use of Closed Reduction and Internal Fixation for High-Energy-Related Traumatic Sacral Fractures. World Journal of Surgery.
26. Yi-Hsun Yu, Ping-Jui Tsai, Chang-Heng Liu, I-Jung Chen, Yung-Heng Hsu, Ying-Chao Chou (2022, Aug). Simultaneous reduction and fixation of concomitant acetabular fracture and ipsilateral sacroiliac joint injury through the pararectus approach: a technical report and early radiological outcome. European Journal of Orthopaedic Surgery & Traumatology.
27. Chi-Chuan Wu, Wen-Ling Yeh, Po-Cheng Lee, Ying-Chao Chou, Yung-Heng Hsu, Yi-Hsun Yu (2022, Jul). Should Diastatic Syndesmosis be Stabilized in Advanced Pronation-External Rotation Ankle Injuries? A Retrospective Cohort Comparison. Orthopaedic Surgery .
28. Yi-Hsun Yu, Shih-Jyun Shen, Yung-Heng Hsu, Ying-Chao Chou, Ping-Chun Yu, Shih-Jung Liu (2022, Jun). Tri-Layered Doxycycline-, Collagen- and Bupivacaine-Loaded Poly(lactic- co-glycolic acid) Nanofibrous Scaffolds for Tendon Rupture Repair. Polymers.
29. Yung-Heng Hsu, Yi-Hsun Yu, Demei Lee, Ying-Chao Chou, Chen-Kai Wu, Chia-Jung Lu,Shih-Jung Liu* (2022, May). Pharmaceutical-eluting hybrid degradable hydrogel/microparticle loaded sacs for finger joint interpositional arthroplasty. Biomaterials Advances.
30. Chih-Yang Lai, Po-Ju Lai, I-Chuan Tseng, Chun-Yi Su, Yung-Heng Hsu, Ying-Chao Chou, Yi-Hsun Yu (2022, Mar). Postoperative Reduction Quality May Be the Most Important Factor That Causes Worse Functional Outcomes in Open and Closed Pelvic Fractures. World Journal of Surgery.
31. Yi-Hsun Yu, Chang-Heng Liu , Yung-Heng Hsu , Ying-Chao Chou, I-Jung Chen (2022, Feb). Pararectus approach to the AO B2.2 pelvic fracture: early functional and radiological outcomes. European Journal of Orthopaedic Surgery & Traumatology.
32. Yi-Hsun Yu, Yung-Heng Hsu, Ying-Chao Chou, Chang-Heng Liu, I-Chuan Tseng, I-Jung Chen (2022, Feb). Three-year functional outcome after open pelvic fracture treatment: a retrospective case series from a level I trauma center. European Journal of Orthopaedic Surgery & Traumatology.
33. Yi-Hsun Yu, Ying-Chao Chou, Bo-Yan Yeh, Yung-Heng Hsu , I-Jung Chen , Lien-Chung Wei (2022, Jan). Intentional Fallers with Complex Pelvic and Acetabular Fractures Do Not Have worse Radiological and Functional Outcomes than Accidental Fallers. BioMed Research International.

34. Chung-Fei Lee, Yung-Heng Hsu, Yu-Chien Lin, Thu-Trang Nguyen, Hsiang-Wen Chen, Sasza Chyntara Nabilla, Shao-Yi Hou , Feng-Cheng Chang, Ren-Jei Chung, (2021, Sep). 3D Printing of Collagen/Oligomeric Proanthocyanidin/Oxidized Hyaluronic Acid Composite Scaffolds for Articular Cartilage Repair. Polymers , 2021, 13, 3123 .
35. Yi-Hsun Yu, Yu-Ting Lin, Yung-Heng Hsu, Ying-Chao Chou, Steve WN Ueng, Shih-Jung Liu (2021, Aug). Biodegradable Antimicrobial Agent/Analgesic/Bone Morphogenetic Protein-Loaded Nanofibrous Fixators for Bone Fracture Repair. International Journal of Nanomedicine, 2021:16 5357–5370.
36. Tseng MY, Yang CT, Liang J, Huang HL, Kuo LM, Wu CC, Cheng HS, Chen CY, Hsu YH, Lee PC, Shyu YL (2021, Jun). A family care model for older persons with hip-fracture and cognitive impairment: A randomized controlled trial. International Journal of Nursing Studies.
37. Yi-Hsun Yu, Chang-Heng Liu, Yung-Heng Hsu, Ying-Chao Chou, I-Jung Chen and Chi-Chuan Wu (2021). Matta's criteria may be useful for evaluating and predicting the reduction quality of simultaneous acetabular and ipsilateral pelvic ring fractures. BMC Musculoskeletal Disorders, (2021) 22:544.
38. I-Chuan Tseng, I-Jung Chen, Ying-Chao Chou, Yung-Heng Hsu, Yi-Hsun Yu (2020, Jul). Predictors of Acute Mortality After Open Pelvic Fracture: Experience From 37 Patients From A Level I Trauma Center. World J Surg.
39. Chih-Yang Lai, I-Chuan Tseng, Chun-Yi Su, Yung-Heng Hsu, Ying-Chao Chou, Huan-Wu Chen and Yi-Hsun Yu (2020). High incidence of surgical site infection may be related to suboptimal case selection for non-selective arterial embolization during resuscitation of patients with pelvic fractures: a retrospective study. BMC Musculoskeletal Disorders, (2020) 21:335.
40. Yung-Heng Hsu, Huang-Yu Chen, Jin-Chung Chen, Yi-Hsun Yu, Ying-Chao Chou, Steve Wen-Neng Ueng, Shih-Jung Liu (2019, Nov). Resorbable Beads Provide Extended Release of Antifungal Medication: In Vitro and In Vivo Analyses. Pharmaceutics, 2019, 11, 550; doi:10.3390.
41. Po-Ju Lai, Yung-Heng Hsu, Ying-Chao Chou, Wen-Ling Yeh, Steve W. N. Ueng* and Yi-Hsun Yu (2019). Augmentative antirotational plating provided a significantly higher union rate than exchanging reamed nailing in treatment for femoral shaft aseptic atrophic nonunion - retrospective cohort study.. BMC Musculoskeletal Disorders, (2019) 20:127.
42. Yung-Heng Hsu, Dave Wei-Chih Chen, Min-Jhan Li, Yi-Hsun Yu, Ying-Chao Chou, Shih-Jung Liu (2018, Oct). Sustained Delivery of Analgesic and Antimicrobial Agents to Knee Joint by Direct Injections of Electrosprayed Multipharmaceutical-Loaded Nano/Microparticles.. Polymers.
43. Yung-Heng Hsu, Chih-chien Hu, Pang-Hsin Hsieh, Hsin-Nung Shih, Steve WN Ueng, Yuhan Chang, (2017, Feb). Vancomycin and ceftazidime in bone cement as a potentially effective treatment for knee periprosthetic joint infection. The Journal of Bone & Joint Surgery-Am, 99(3), 223-31
44. Yu YH, Hsu YH, Chou YC, Tseng IC, Su CY, Wu CC (2017, Jan). Surgical treatment for Pipkin type IV femoral head fracture . J Orthop Surg (Hong Kong).
45. Ying-Chao Chou, Wen-Lin Yeh, Chien-Lin Chao, Yung-Heng Hsu, Yi-Hsun Yu, Jan-Kan Chen, Shih-Jung Liu (2016, Aug). Enhancement of tendon–bone healing via the combination of biodegradable collagen-loaded nanofibrous membranes and a three-dimensional printed bone-anchoring bolt. International Journal of Nanomedicine, 2016:9 4173-4186.
46. Yung-Hen Hsu, Chang-Tun Lin, Yi-Hsun Yu, Ying-Chao Chou, Shih-Jung Liu, Err-Cheng Chan (2016, Aug). Dual delivery of active antibactericidal agents and bone morphogenetic protein at sustainable high concentrations using biodegradable sheath-core-structured drug-eluting nanofibers. International Journal of Nanomedicine, 11, 3927–3937.

47. Ying-Chao Chou, Yung-Heng Hsu, Yi-Hsun Yu, Chi-Chuan Wu (2016, Jun). Triceps-reflecting anconeus pedicle approach with double precontoured locking plate fixation is efficient in the treatment of orthopaedic trauma association type C distal humerus fracture. Injury, 47 (2016) 2240-2246.
48. Yu YH, Lu ML, Tseng IC, Su CY, Hsu YH, Yeh WL, Wu CC (2016, Jun). Effect of the subcutaneous route for iliac screw insertion in lumbopelvic fixation for vertical unstable sacral fractures on the infection rate: A retrospective case series. Injury.
49. Yi-Hsun Yu, Yung-Heng Hsu, Ying-Chao Chou, Chin-Lung Fan, Steve W.N. Ueng, Yi-Chuan Kau, Shih-Jung Liu (2016, Apr). Sustained relief of pain from osteosynthesis surgery of rib fracture by using biodegradable lidocaine-eluting nanofibrous membranes. Nanomedicine: Nanotechnology, Biology, and Medicine, 12 (2016) 1785-1793.
50. Ying-Chao Chou, Demei Lee, Tzu-Min Chang, Yung-Heng Hsu, Yi-Hsun Yu,Shih-Jung Liu, SteveWen-Neng Ueng (2016, Mar). Development of a Three-Dimensional (3D) Printed Biodegradable Cage to Convert Morselized Corticocancellous Bone Chips into a Structured Cortical Bone Graft . International Journal of Molecular Sciences, 2016,17,595.
51. Ying-Chao Chou, Yi-Shiun Cheng, Yung-Heng Hsu, Yi-Hsun Yu, Shih-Jung Liu (2016, Mar). A bio-artificial poly([d,l]-lactide-co-glycolide) drug-eluting nanofibrous periosteum for segmental long bone open fractures with significant periosteal stripping injuries. International Journal of Nanomedicine, 2016:11 941-953.
52. Ying-Chao Chou, Yi-Shiun Chen, Yung-Heng Hsu, Yi-Hsun Yu, Shih-Jung Liu (2016, Jan). Biodegradable nanofiber-membrane for sustainable release oflidocaine at the femoral fracture site as a periosteal block: In vitro andin vivo studies in a rabbit model. Colloids and Surfaces B: Biointerfaces, 140 (2016) 332-341.
53. Yung-Heng Hsu, Dave Wei-Chih Chen, Chun-Der Tai, Ying-Chao Chou, Shih-Jung Liu, Steve Wen-Neng Ueng, Err-Cheng Chan (2014, Sep). Biodegradable drug-eluting nanofiber-enveloped implants for sustained release of high bactericidal concentrations of vancomycin and ceftazidime: in vitro and in vivo studies. International Journal of Nanomedicine, 2014:9 4347-4355.
54. Chen Dave W., Hsu YH, Liao JY, Liu SJ, Chen JK, Ueng S WN (2012, Apr). Sustainable Release of Vancomycin, Gentamicin and Lidocaine from Novel Electrospun Sandwich-structured PLGA/collagen Nanofibrous Membranes.. Int J Pharmaceutics, 430: 335-341, 2012.
55. Chou YC, Hsu YH, Cheng CY, Wu CC (2012, Apr). Percutaneous Screw and Axial Kirschner Wire Fixation for Acute Transscaphoid Perilunate Fracture Dislocation. J Hand Surg, 37-A:715-720.
56. Ying-Chao Chou, Alvin Chao-Yu Chen, Chun-Ying Chen, Yung-Heng Hsu, Chi-Chuan Wu. (2011, Feb). Dorsal and volar 2.4-mm titanium locking plate fixation for AO Type C3 dorsally comminuted distal radius fractures. J Hand Surg. (SCI).
57. Chi-Lung Chen, Yung-Heng Hsu, Chi-Chuan Wu, Kuo-Fun Fan, I-Chuan Tseng, Po-Cheng Lee (2010, Mar). Surgical treatment of metastatic lesions with or without pathologic fractures in proximal femurs. J. Orthop Surg Taiwan.
58. Chou YC, Wu CC, Chan YS, Chang CH, Hsu YH, Huang YC (2010, Jan). Medial Gastrocnemius Muscle Flap for Treating Wound Complications after Double-plate Fixation via Two-incision Approach for Complex Tibial Plateau Fractures. J Trauma, 68: 138-145, Jan. 2010.
59. Yung-Heng Hsu, Chi-Chuan Wu, MD, Kuo-Fun Feng, I-Chuan Tseng, Po-Cheng Lee, Ying-Chao Chou (2007, Jun). Comparison of Intracapsular Femoral Neck and Intertrochanteric Fractures: Surgical Outcomes and Comparison of intracapsular femoral neck and intertrochanteric fractures: surgical outcomes and quality of life in elderly patients. J. Orthop Surg Taiwan.

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Current position

- Attending physician, Department of Orthopedics, E-Da Hospital, Taiwan
- Lecturer, school of occupational therapy, I-Shou University, Taiwan

Education and post-graduate training

- 2007-2015 Medical college, National Cheng Kung University, Taiwan
- 2017-2022 Orthopedic resident, E-Da hospital, Taiwan
- 2022-2023 Hand fellowship (studied under Prof. Tuan-kun Tu), E-Da hospital

Licensure and membership

- American Society for Surgery of the Hand (ASSH), Young international membership
- Asia Pacific Wrist Association (APWA)
- Taiwan Orthopedic Association (TOA)
- Taiwan Society for Surgery of the Hand (TSSH)
- Taiwan Orthopedic Trauma Association (TOTA)

Academic experience

- 2023 Asia Pacific Wrist Association (APWA) travelling fellow (studied under Prof. Joo-yup Lee, Pak-Cheong Ho, Kejio Fujio, and Toshiyasu Nakamura)
- 2024 New York Contralateral C7 transfer Congress, invited speaker, USA
- 2024 Taiwan Orthopedic Trauma Association (TOTA) travelling fellow to Japan
- 2024 International Symposium on Brachial Plexus Surgery (Narakas Club), invited speaker, Italy
- 2025 Taiwan Society for Surgery of the Hand (TSSH) travelling fellow to Japan

Publication

1. Yen-Wei Li, Ching-Hou Ma, Hui-Kuang Huang, Kai-Jen Lin, Chin-Hsien Wu, Yuan-Kun Tu. Use of Silicone Tubes as Antiadhesion Devices in a Modified Two-Stage Flexor Tendon Reconstruction in Zone II: A Retrospective Study. Journal of Hand Surg Am. 2023 May; 48(5):444-451
2. Yen-Wei Li, Yu-Huan Hsueh, Ching-Hou Ma, Cheng-Yo Yen, Chin-Hsien Wu, Yuan-Kun Tu. Non-periarticular locking plates for complicated and/or geriatric olecranon fractures. E-Da Medical Journal 2023 Sep;10(3):1-6
3. Yen-Wei Li, Yuan-Kun Tu, Yu-Huan Hsueh. Prespinal Versus Conventional Hemicontralateral C7 Nerve Transfer in the Treatment of Total Brachial Plexus Roots Avulsion Injuries: A Retrospective Study With a Minimum Follow-Up Period of 4 Years. J Hand Surg Am. 2023 Nov; 48(11):1175.e1-1175.e10.
4. Yen-Wei Li, Shang Won Yu, Jih Hsi Yeh, Ching Hou Ma, Cheng Yo Yen, Yuan Kun Tu. First 100 total hip arthroplasties performed by a young surgeon using the direct anterior approach: learning curve and complications. Arch Orthop Trauma Surg. 2024 Feb;144(2):927-935

5. Yen-Wei Li, Yu-Huan Hsueh, Yuan-Kun Tu. Surgical reconstructions for adult brachial plexus injuries. Part II: Treatments for total arm type BPI. Injury. 2024 Feb;55(2):111012.
6. Yu-Huan Hsueh, Yen-Wei Li, Kuan-Po Chen, Wen-Liang Chen, Yuan-Kun Tu. Nerve Bypass Surgery for Spinal Cord Reconstruction. World Neurosurg. 2024 Sep;189:e27-e37.
7. Yen-Wei Li, Chin-Hsien Wu, Yuan-Kun Tu. Letter Regarding "Short-Term Patient Outcomes After Placement of an Internal Joint Stabilizer for Terrible Triad Injuries: A Multicenter Study". J Hand Surg Am. 2025 Jun;50(6):e5.

MODERATOR

吳金獻
Chin-Hsien Wu M.D.

Dr. CH Wu obtained his medical degree from the University of Chang Gung in 1998. He got the Board of General Surgery and Orthopaedic Surgery in 2004 and 2005. Furthermore, he obtained the Board of Spine and Hand Surgery in 2006. In 2012, he was admitted as clinical fellow in Orthopaedics & Traumatology of Prince of Wales Hospital. Dr. Wu is currently the Chief of Hand surgery of E-DA Hospital, as well as the OSCE and Orthopedic Resident Training Director. He is appointed as Associate Professor of the Faculty of Medicine at the I-Shou University. He received the "The Year Best Teacher of E-DA Hospital Award" in 2009 and 2013.

His main research interest is on wrist arthroscopic, hand, and trauma surgery. Others include upper extremity trauma, rheumatoid hand, elbow disorders and tendon surgery. He has been a member of European Wrist Arthroscopy Society (EWAS) since 2009, committee member of Taiwan society for surgery of the hand since 2016 and Taiwan orthopedic trauma association since 2018.

Specialty

Orthopedics

Clinical Interest

Wrist arthroscopy, Hand surgery, Trauma

Certification

Orthopaedics

Qualification

MBBS(TWN)

Experience

- Fellowship in Chang-Gung Memorial Hospital, Taiwan (2005~2006)
- Fellowship in Prince of Wales Hospital, Hong Kong (2010)
- Attending staff in Chang-Gung Memorial Hospital, Taiwan (2006)
- Attending staff in E-DA Hospital, Taiwan (2006 till now)
- Chief of hand surgery in E-DA Hospital, Taiwan (2012 till now)
- Council member of Taiwan society of surgery of hand (2016~2018, and since 2020)
- Secretary-General of Taiwan society of surgery of hand (2018~2020)
- Council member of Taiwan orthopedic trauma association (since 2018)

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Current Position

Professor of Orthopaedics and Traumatology, Department of Orthopaedic Surgery, Istinye University Medical School, Istanbul, Turkiye
Director, Istanbul Arthroplasty, Istanbul, Turkiye

Research Field

Periprosthetic joint Infection, Hip/Knee Arthroplasty, Biomaterials

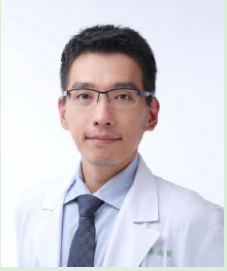
Specialties

- Hip/Knee Arthroplasty
- Revision Hip/Knee Arthroplasty

Training Background

- 2002~2008 Residency in Orthopaedics and Traumaology, Marmara University School of Medicine, Istanbul, Türkiye
- 2007~2007 Research Fellowship in HSS
- 2010~2011 Assistant Professor, Department of Orthopaedic Surgery, Umraniye Research and Educational Hospital, Istanbul, Türkiye
- 2011~2013 Assistant Professor, Department of Orthopaedic Surgery, Bezmialem Vakif University, Istanbul, Türkiye
- 2013~2013 Visiting Research Fellowship, Hip Adult Reconstruction, Berne, Switzerland
- 2013~2015 Research Fellowship in Rothman Institute, Thomas Jefferson University
- 2015~2018 Associate Professor, Department of Orthopaedic Surgery, Bezmialem Vakif University, Istanbul, Türkiye
- 2018~2021 Professor, Department of Orthopaedic Surgery, Marmara University, Istanbul, Türkiye
- 2021~present Professor, Department of Orthopaedic Surgery, Istinye University, Istanbul, Türkiye

MODERATOR



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Current Position

- Attending Physician of Division of Joint Reconstruction, Department of Orthopedics and Traumatology, Taipei Veterans General Hospital, Taipei, Taiwan
- Assistant Professor of Department of Orthopedics, School of Medicine, National Yang Ming Chiao Tung University, Taipei, Taiwan

Research Field

- Primary and revision knee/hip arthroplasty
- Pain management protocol following total knee/hip arthroplasty
- Venous thromboembolism/thromboprophylaxis following total knee/hip arthroplasty
- Periprosthetic joint infection

Specialties

- Hip/Knee Arthroplasty
- Revision Hip/Knee Arthroplasty
- Around-the-knee osteotomy

Training Background

- 2010/9~2015/9 Residency, Department of Orthopedics and Traumatology, Taipei Veterans General Hospital
- 2015/9~2016/8 Fellowship, Division of Joint Reconstruction, Department of Orthopedics and Traumatology, Taipei Veterans General Hospital
- 2016/9~Attending Physician, Division of Joint Reconstruction, Department of Orthopedics and Traumatology, Taipei Veterans General Hospital
- 2023/7~2024/6 Fellowship, Rothman Orthopedic Institute at Thomas Jefferson University, Philadelphia, PA, USA

MODERATOR

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Orthopaedic Surgeon and Associate Professor
Department of Orthopaedics
National Cheng Kung University Hospital,
College of Medicine, National Cheng Kung University, Tainan, Taiwan

Clinical Interest

- Joint reconstruction (hip & knee arthroplasty)
- Joint preservation surgery
- Osteoporosis

Current Position

- Orthopaedic Surgeon and Associate Professor, National Cheng Kung University Hospital
- Current Supervisor Board Member and Past Secretary General, Taiwan Osteoporosis Association
- Visiting Research Fellow, Department of Orthopedic Surgery, Mayo Clinic, Rochester, MN, USA (Aug 2024~Aug 2025)

Academic and Clinical Career

- 1998 – 2005 **M.D. degree.**
  College of Medicine, National Cheng Kung University, Tainan, Taiwan
- 2011 – 2016 **Ph.D. degree.**
  Institute of Biomedical Engineering, National Cheng Kung University, Tainan, Taiwan
- 2006 – 2012 **Resident & fellow training.**
  Department of Orthopaedics, National Cheng Kung University Hospital, Tainan, Taiwan
- 2012 – 2014 **Consultant.**
  Department of Orthopaedics, Tainan Hospital Sinhua Branch, Tainan, Taiwan
- 2014 – Now **Consultant.**
  Division of Joint Reconstruction, Department of Orthopaedics, National Cheng Kung University Hospital, Tainan, Taiwan
- 2016 – 2021 **Assistant Professor**
  Department of Orthopaedics, College of Medicine, National Cheng Kung University, Tainan, Taiwan
- 2021 – Now **Associate Professor**
  Department of Orthopaedics, College of Medicine, National Cheng Kung University, Tainan, Taiwan

蔡家宏
Chia-Hung Tsai M.D.

Current Position

Attending Physician
Division of Infectious Diseases, Department of Internal Medicine
Chi Mei Medical Center, Tainan, Taiwan

Research Field

HIV/AIDS

Specialties

- Infectious Diseases
- Hospital Infection Control
- HIV/AIDS

Education & Training

- Fellowship in Infectious Diseases, Chi Mei Medical Center, Tainan, Taiwan (2022~2023)
- Residency in Internal Medicine, Chi Mei Medical Center, Tainan, Taiwan (2019~2021)
- Doctor of Medicine (M.D.), National Cheng Kung University, Tainan (2009~2016)

MODERATOR

湯宏仁
Hung-Jen Tang M.D.

Education

MD, Chung Shan Medical University

Professional Experiences

- Deputy Superintendent, Chi Mei Medical Center
- Head of Internal Medicine Department
- Director of infectious disease control center
- Head of Infectious disease department
- Professor researcher of Chi Mei Medical Center
- Director of The Infectious Diseases Society of Taiwan
- Deputy commander of southern infectious disease
- Head of Infectious disease：Section of Infectious diseases, Department of Internal Medicine, Chi Mei Medical Center, Liouying, Taiwan, 2004~2009
- Attending Physician：Section of Infectious diseases, Department of Internal Medicine, Chi Mei Medical Center, 1999~2011Aug

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Current Position

Attending physician of Division of Infectious Diseases, Department of Medicine/ Department of Intensive Care Medicine/ Clinical Trial Center, Tri-Service General Hospital, Taiwan

Research Field

Infectious Diseases, Organ transplantation Infection, HIV Therapy, Vaccinology

Specialties

- Infectious Diseases,
- Organ transplantation Infection,
- HIV Therapy

Training Background

- M.D., Medical School of National Defense Medical University, Taiwan (1983~1990)
- Resident of Department of Medicine, Tri-Service Hospital, Taiwan (1992~1995)
- Fellow training Division of Infectious Diseases, Tri-Service General Hospital (1995~1997)
- Attending physician of Division of Infectious Diseases, Tri-Service General Hospital, Taiwan (1997~till now)
- Research associate, Aaron Diamond AIDS Research Center, Rockefeller University, New York, USA (2002~2005)

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Education

- 1986~1993 M.D. College of Medicine, Kaohsiung Medical University

Postgraduate training

- 1992~1993 Rotating Intern, Kaohsiung Medical University
- 1995~1998 Resident in Department of Internal Medicine, Shin Kong Wu Ho-Su Memorial Hospital
- 1998~2000 Chief Resident in Section of Infectious Diseases, Department of Internal Medicine, Taipei Veterans General Hospital

Research Fellowship

- 2000~2001 Section of Infectious Diseases, Department of Internal Medicine, Shin Kong Wu Ho-Su Memorial Hospital

Attending Physician

- 2001~present Section of Infectious Diseases, Department of Internal Medicine, Shin Kong Wu Ho-Su Memorial Hospital

Medical Credentials

- 1993 Medical Licensure
- 1998 Specialty, Internal Medicine
- 2000 Specialty, Infectious Diseases

Membership

- Taiwan Society of Internal Medicine
- The Infectious Diseases Society of Taiwan
- Taiwan Society of Hospital Infection control
- Taiwan Society of Tuberculosis
- Taiwan AIDS Society

Research

clinical microbiology, infection control, clinical infectious diseases and acquired immune deficiency syndrome

Publications

1. JY Lee, Chien-Hsien Huang, YA Sie, PC Yang…Applying the Human Factors Analysis and Classification System (HFACS) within Root Cause Analysis (RCA) to Prevent Medical Errors and Enhancing Patient Safety. International Journal for Quality in Health Care, Volume 37, Issue 1, 2025, mzaf009, https://doi.org/10.1093/intqhc/mzaf009
2. Kuan-Yin Lin, I-Fan Lin, Ping-Feng Wu, Wen-Chia Tsai , Lian-Yi Su, Chia-Ning Chang, Wei-Hsuan Huang, Ching-Hsun Wang, Miao-Chiu Hung, Chien-Hsien Huang,et al. Recommendations and guidance for human papillomavirus (HPV) vaccination for adults in Taiwan.Journal of Microbiology, Immunology and Infection Volume 58, Issue 4, August 2025, Pages 383-396. journal homepage: www.e-jmii.com
3. YW Fang, Chien-Hsien Huang, TN Jang, SS Lin… . Pharmacokinetic study of polymyxin B in healthy subjects and subjects with renal insufficiency. Clin Transl Sci. 2024;17:e70110.
4. YW Fang, CH Huang, TN Jang, SS Lin, Yi-Ting, Liang; Chien-Hsien, Huang; Hwa-Hsin, Fang; Cheng-Kuo, Cheng; Pai-Huei, Peng, Monkeypox-related ophthalmic disease. Taiwan Journal of Ophthalmology 14(2):p 279-283, Apr–Jun 2024. | DOI: 10.4103/tjo.TJO-D-23-00141
5. Tien-Lung Po, Chien-Hsien Huang, Chia-Hsun Lin, Huei-Fong Hung. Diagnosis of a Rare Rickettsia felis Infection Complicated with Unusual Pericardial Effusion and Cardiac Tamponade Using an mNGS Test. Case Rep Infect Dis. 2024 Aug 13:2024:8877876.
6. Kuan-Yin Lin , Ching-Hsun Wang , Lian-Yi Su , I-Fan Lin d , Chia-Wei Liu , Ping-Feng Wu , Wen-Chia Tsai , Chia-Ning Chang , Miao-Chiu Hung , Chien-Hsien Huang,et al. Recommendations and guidance for herpes zoster vaccination for adults in Taiwan. Journal of Microbiology, Immunology and Infection Volume 57, Issue 5, October 2024, Pages 669-684 Available online 21 June 2024.
7. Wu, H.-Y., et al. Members of the expert panel and board members of the IDST are listed in alphabetical order: Yu-Jiun Chan, Feng-Yee Chang, Hou-Tai Chang, Yao-Shen Chen, Yee-Chun Chen, Yen-Hsu Chen, Ming-Fang Cheng, Hsin Chi, Cheng-Hsun Chiu, Mao-Wang Ho, Szu-Min Hsieh, Po-Ren Hsueh, Chien-Hsien Huang,et al. Recommendations and guidelines for the diagnosis and management of Coronavirus Disease-19 (COVID-19) associated bacterial and fungal infections in Taiwan. Journal of Microbiology, Immunology a and Infection 2023, 56(2), pp. 207–235DOI: 10.1016/j.jmii.2022.12.003
8. Yu-Lin Zhao, Han-Pang Huang, Tse-Lun Chen, Pen-Chi Chiang, Yi-Hung Chen, Jiann-Horng Yeh, Chien-Hsien Huang, Ji-Fan Lin, and Wei-Ting Weng. A Smart Sterilization Robot System with Chlorine Dioxide for Spray Disinfection. July 2021IEEE Sensors Journal PP(99):1-11
9. Viet Minh Trinh, Min-Hao Yuan, Yi-Hung Chen, Chen-Yang Wu, Shao-Chi Kang, Pen-Chi Chiang, Ta-Chih Hsiao, Han-Pang Huang, Yu-Lin Zhao, Ji-Fan Lin, Chien-Hsien Huang, Jiann-Horng Yeh, Der-Ming Lee. Chlorine dioxide gas generation using rotating packed bed for air disinfection in a hospital. Journal of Cleaner Production Volume 320, 20 October 2021, 128885.10.1016/j.jclepro.2021.128885
10. Shiu-Feng Huanga Yhu-Chering Huangb Feng-Yee Changc Jung-Chung Linc Chun-Hsiang Chiuc Chien-Wen Chend Fu-Der Wangef Yen-Ling Chiug Shu-Hsing Chengh Chien-Yu Chenghi Yi-Chun Linh Cheng-Pin Chenh Chien-Hsien Huang Po-Yu Liuk Yuan-Ti Leel Chen-Hsiang Leem Yao-Shen Chenn Cheng-Len Syn…Huey-Kang Sytwur. Rapid establishment of a COVID-19 biobank in NHRI by National Biobank Consortium of Taiwan. Biomedical Journal Available online 29 May 2020
11. Yu-Chiao Hung, Tsrang-Neng Jang, Chien-Shien Huang, Tai-Chin Hsieh, Shu-Hua Lee. Investigating outbreak of Klebsiella pneumoniae infection in a Neonatal Intensive Care Unit. Formosan J Med 2018;28:149-163
12. Chien-Hsien Huang, Tsrang-Neng Jang , Jie-Zhen Huang. Preventing and Control Dengue Fever Epidemic in Palau. Formosan J Med 2017;21:621-625

13. Tai-Chin Hsieh, Chien-Hsien Huang, Tsrang-Neng Jang. Clinical presentation of unusual soft tissue infection. International Journal of Antimicrobial Agents 50 S2 (2017) S69–S278.
14. Chien-Hsien Huang, Wu-Ching Uen, Tsrang-Neng Jang. Middle East Respiratory Syndrome and Infection control. Formosa J Med 2016 Vol. 20 No 4, Pages406-10.
15. Shu-Pen Hsu, Chien-Hsien Huang, Bao-Ching Lai, The reduction of medical adhesives related skin injuries in critical l patients. Formosan J Med 2016 Vol.20 No.5
16. Yu-Hung Lin, Tsrang-Neng Jang, Jiann-Loung Hwang, Lee-Wen Huang, Kok-Min Seow, Bih-Chwen Hsieh, Chien-Hsien Huang Bacterial colonization with balloon uterine stent placement in the uterus for 30 days: a randomized controlled clinical trial. .Fertil Steril. Volume 103, Issue 2, February 2015, Pages 513–518.e2.
17. Lao WF, Chien-Hsien Huang, Lin CH, Lu MJ, Hung CR. Endovascular stent graft repair for a Salmonella-infected aneurysm of thoracic aorta. Ann Vasc Surg. 2012 Jul;26(5):731,e5-8.
18. Chien-Hsien Huang, CC Lin, SH Lee, YJ Hsieh, KY Ho, CY Chung, TY Lee, WY Chen, TN Jan. Reducing the Central Line-associated Bloogstream Infection by Bundle Intervention. Formosan J Med 2012;16:4:410-5.
19. Ru-Lan Hsieh, Chien-Hsien Huang, Wu-Ching Uen,; Necrotizing Fasciitis After Acupuncture in a Patient with Aplastic Anemia. journal of Alternative and Complementary Medicine 2011, 17, 9, 871–4
20. Chien-Hsien Huang, Chia-Lin Lee, Aming Chor-Ming Lin, Wei-Yu Chen Pi-Chu Teng, Shu-Hua Lee, Yi-Jan Hsieh, Tsrang-Neng Jang. Different strains of Acinetobacter baumannii spreading in an intensive care unit. Journal of Acute Medicine 2011;1, 1-5
21. Wei-Yu Chen, Tsrang-Neng Jang, Chien-Hsien Huang, Po-Ren Hsueh; In vitro susceptibilities of aerobic and facultative anaerobic Gram-negative bacilli isolated from patients with intra-abdominal infections at a medical center in Taiwan: results of the Study for Monitoring Antimicrobial Resistance Trends (SMART) 2002-200. J Microbiol Immunol Infect. 2009;42:317-323.
22. Jang TN, Lee SH, Chien-Hsien Huang, Lee CL, Chen WY Risk factors and impact of nosocomial Acinetobacter baumannii bloodstream infections in the adult intensive care unit: a case-control study Journal of Hospital Infection 2009;73,143-150
23. Aming Chor-Ming Lin, Diana Yuwung Yeh, Yi-Hsin Hsu, Chin-Chu Wu, Hang Chang, Tsrang-Neng Jang, Chien-Hsien Huang; Diagnosis of pyogenic liver abscess by abdominal ultrasonography in the emergency department, Emerg. Med. J. 2009;26;273-275.
24. Lin AC, Juang GD, Chien-Hsien Huang, Tso CY. An unusual cause of iatrogenic bladder rupture. Am J Emerg Med. 2006 Jul; 24(4):512-4.
25. Hung WC, Lin HC, Chien-Hsien Huang, Yang SY, Jeng CH. Vibrio Vulnificus Necrotizing Fasciitis of the Lower Limb: A Case Report and Literatures Review. J Plastic Surg Ass R.O.C. 2005; 14: 363-71.
26. Chien-Hsien Huang, Tsrang-Neng Jang. Cutaneous Abscess and Pneumonia due to Nocardia asteroides in a Healthy Man. J Taiwan Emerg Med 2005; 7: 2: 110-115.
27. Lin-Hui Wu, Wei-Huang Chen, Li-Ming Lien, Chien Hsien Huang, Hou-Chang Chiu. AIDS with Acute Cerebral Infarct: A case Report. Acta Neurologica Taiwanica 2005; 14:2; 74-78.
28. Hsu HT, Chien-Hsien Huang, Huang KM, Jang TN. Thoracic Actinomycosis mimicking Pulmonary Tuberculosis: A Case Report. J Taiwan Emerg Med 2005; 7:2; 138-43.
29. Pi-Chu Teng, Tsrang-Neng Jang, Chien-Hsien Huang, Shu-Hui Shen, Shu-Hua Lee, Ching-I Chiu. Association between Primary Bloodstream Infection and Central Venous Catheter in Intensive Care Units at a Medical Center in Taiwan. Noso INF Control J 2005; 15:273-285.
30. Jang TN, Yeh DY, Shen SH, Chien-Hsien Huang, Jiang JS, Kao SJ. Severe acute respiratory syndrome in Taiwan: analysis of epidemiological characteristics in 29 cases. J Infect 2004; 48:23-31.

31. Chien-Hsien Huang, Tsrang-Neng Jang, Jiunn-Song Jiang, Aming Chor-Ming Lin Successfully Treat Aspergillosis in a Patient with SARS Who Was Treated with Corticosteroids. BMJ.com, 9 Jan 2004. Rapid responses published. http://bmj.bmjjournals.com/cgi/eletters/327/7428/1405
32. Tzong-Luen Wang, Tsrang-Neng Jang, Chien-Hsien Huang, Shang-Jyh Kao, Chor-Ming Lin, Fang-Niarn Lee, Cheng-Yao Liu, Chee-Fah Chong, Chu-Mei Lin, Harnod Dorji, Hsueh-Ju Teng, Hang Chang, Establishing a clinical decision rule of severe acute respiratory syndrome at the emergency department. Annals of Emergency Medicine 2004; 43:1: 17-22
33. Aming Chor-Ming Lin, Jyh-Gang Leu, Chien-Hsien Huang, Edible grasshoppers with agricultural pesticide contamination. BMJ.com, 8 January 2004 http://bmj.bmjjournals.com/cgi/eletters/328/7430/42#45503
34. Jiang JS, Jang TN, Chien-Hsien Huang, Kao SJ. Prone Position Ventilation in a Spontaneous Breathing Patient with Severe Acute Respiratory Syndrome: A Case Report. J Emerg Crit Care Med 2003; 14: 169-73.
35. Teng PC, Jang TN, Chien-Hsien Huang, Shen SH, Lee SH. Analysis of nosocomial bloodstream infections in intensive care units at a medical center in Taiwan. Noso INF Control J 2002; 12:325-336.
36. Chien-Hsien Huang, Jang TN. Botulism in Bioterrorism. Ann Disaster Med Vol 1 Suppl 2002; 1:17-25.
37. Huang LY, Jang TN, Wang CH, Shen SH, Chien-Hsien Huang, et al: An Evaluation of Vancomycin Usage at Medical center. Noso Inf Control J 2002; 12:144-51
38. Chien-Hsien Huang,Jang TN. et al. Characteristics of patients with Burkholderia cepacia bacteremia. J Microbiol Immunol Infect 2001; 34:215-219
39. Shen SH, Jang TN, Chien-Hsien Huang, Lee SH. Nosocomial fungemia in a medical center in northern Taiwan. Noso Inf Control J 2001; 11:355-64
40. Jang TN, Fung C P, Yang T L, Shen SH, Chien-Hsien Huang, et al: Use of Pulsed-Field Gel Electrophoresis to Investigate an Outbreak of Serratia marcescens in a Neonatal Intensive Care Unit. J Hosp INF 2001; 48:13-9.
41. Lee SH, Jang TN, Shen SH, Chien-Hsien Huang, Chang YH A five-year study of nosocomial infection at a regional hospital. Noso Inf Control J 2001; 11:159-168
42. Lee YH, Lue CY, Chien-Hsien Huang,Jang TN. Systemic Lupus Erythematosus Complicated with Salmonella Bacteremia. Chin J FAM Med 2000; 10:96-101.
43. Jang TN, Kuo BIT, Shen SH, Fung CP, Lee SH, Yang TL, Chien-Hsien Huang,: Nosocomial Gram-Negative Bacteremia in Critically Ill Patients: Epidemiologic Characteristics and Prognostic Factors in 147 Episodes J Formos Med Assoc 1999; 98:465-73.

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Medical Education: MD (1989), PhD (2002), The Catholic University of Korea College of Medicine

Cervical spine fellowship (2002-2004): Prof. Dan Riew, Washington University in St. Louis, USA

International/Regional Academic Society

- **CSRS-AP:** President (2024~2025)
- **AO Spine Asia Pacific:** Ortho Education officer (2025~2028), Research Officer (2016~2019)
- **AO Spine International:** KF Degenerative Steering Committee member (2013~2019)
- **ISSLS:** Asia Representative (2015~2018)
- **APSS:** Board member (2022~2023)
- **Asian Spine Journal:** Chief Deputy Editor (2007~2020)
- **Editorial board (current):** Global Spine J, European Spine J, SSRR (JSSR official journal), BMC Musculoskeletal Disord

Korean Academic Society

- **KSSS (Korean Society of Spine Surgery):** President (2024~2025)
- **AO Spine Korea:** Chairperson (2021~2024)
- **BioSpine Korea:** President (2022~2024)
- **CSRS-AP Korea:** President (2015~2017)

International Academic Best Paper Awards

- **CSRS Outstanding paper award:** 2003, 2004, 2009
- **Eurospine Best paper award:** 2007
- **APSS Best paper award:** 2017, 2022

Korean Academic Best Paper Awards

- **Korean Orthopaedic Association (KOA):** Best Paper Award 2002, 2003, 2004, 2006, 2007, 2010
- **Korean Society of Spine Surgery (KSSS):** Best Paper Award 1999, 2005, 2007, 2016, 2017, 2018
- **Korean Federation of Science and Technology Societies (KFSTS):** Best Paper Award 2003, 2006
- **CSRS-AP Korea:** Best Paper Award 2022

MODERATOR

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Current Position

- Professor of Division of Spine, Department of Orthopedic Surgery, Chang Gung Memorial Hospital, Linkou, Taiwan
- Deputy Director, Department of Orthopadic Surgery, Chang Gung Memorial Hospital, Linkou, Taiwan

Research Field

Biomaterial, Biomechanics, Spine

Specialties

- Minimally invasive spinal surgery
- Complex spinal deformity surgery

Training Background

- M.D., Medical School of National Taiwan University, Taipei, Taiwan (1986~1993)
- PH.D., Department of Chemical Engineering, National Tsing Hua University, Hsinchu, Taiwan (2010~2014)
- Resident of Department of Orthopedic Surgery, Chang Gung Memorial Hospital, Taoyuan Taiwan (1993~1998)
- Attending physician of Department of Orthopedic Surgery, Linkou Chang Gung Memorial Hospital (1998~till now)
- Spine Fellow, Health Science Center, Upstate Medical University, NY, USA (2001~2002)

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- Orthopedic/Spine Surgeon
- Secretary, Taiwan Spine Society (TWSS)
- Educational Committee of Taiwan Society of Minimal Invasive Spine Surgery (TSMISS)

Skill

- Minimal invasive Spine Surgery
- Endoscopic Spine Surgery
- Spinal Cord Injury
- Osteoporosis treatment
- Echo-Guided Injection Therapy

MemberShip

- Taiwan Spine Society (TWSS)
- Taiwan Society of Minimal Invasive Spine Surgery (TSIMISS)
- Taiwan Society of Endoscopic Spine Surgery (TSESS)
- Taiwan Orthopedic Association (TOA)
- Asia Pacific Spine Society (APSS)
- Cervical Spine Research Society-Asia Pacific (CSRS-AP)
- AO spine (GSC)

Education

• 2021~2025	PhD	Institute of Medical Science, Tzu Chi University
• 2008~2015	MD	Medical school, Kaohsiung Medical University

Experience

• 2025~	Educational committee	Taiwan Society of Minimal Invasive Spine Surgery (TSMISS)
• 2024~	Secretary	Taiwan Spine Society (TWSS)
• 2022~	Attending	Orthopedic department, Hualien Tzu Chi Medical center
• 2021	Fellow	Orthopedic department, Hualien Tzu Chi Medical center
• 2020	Fellow	Orthopedic department, National Taiwan University Hospital (NTUH)
• 2019	Chief resident	Orthopedic department, Hualien Tzu Chi Medical center
• 2016	Resident	Orthopedic department, Hualien Tzu Chi Medical center
• 2015	Clinic Doctor	Medical Mission to Embassy of the ROC (Taiwan), Honiara, Solomon Islands

Awards

• 2025	Japanese Society for Spine Surgery and Related Research (JSSR 2025)	Best English Award Silver Prize
• 2025	Singapore Spine Society (SSS 2025)	Best Paper Award Second Prize
• 2024	Taiwan Spine Society (TWSS 2024)	Best Paper Award Third Prize
• 2023	Taiwan Orthopedic Association (TOA 2023)	Best Congress Paper Third Prize
• 2023	Asia Pacific Spine Society (APSS 2023) Congress	Best Paper Shortlisted

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Current Position

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- Director of Orthopedic Department, China Medical University Hospital, Taiwan
- Director of Spine Center, China Medical University Hospital, Taiwan

Research Field

- Spine Surgery: Deformity, Degenerative Disease, Trauma and Tumor
- Minimal Invasive Spine Surgery
- Surface Modification for Titanium-based Orthopedic Implants

Specialties

- Spinal Deformity Surgery
- Minimal Invasive Spine Surgery: Percutaneous Endoscopic Surgery, MIS for Spine Seformity, MIS for Degenerative Spine Disease and Trauma
- Bone Marrow Derived Stem Cell Therapy for Osteoarthritis of Knee

Training Background

- M.D. School of Chinese Medicine, China Medical University, Taichung, Taiwan (1979~1986)
- Ph.D. Research Institute of Materials Science and Engineering, Feng Chia University, Taichung, Taiwan (2007~2013)
- Resident of Department of Orthopedic Surgery, China Medical University Hospital, Taichung, Taiwan (July1989~June1993)
- Clinical Fellow, Spine Section, Department of Orthopedic Surgery, Taipei Veterans General Hospital, Taipei, Taiwan (July1993~Decmber1993)
- Vsiting Staff of Department of Orthopedic Surgery, China Medical University Hospital, Taichung, Taiwan (July 1993~till now)

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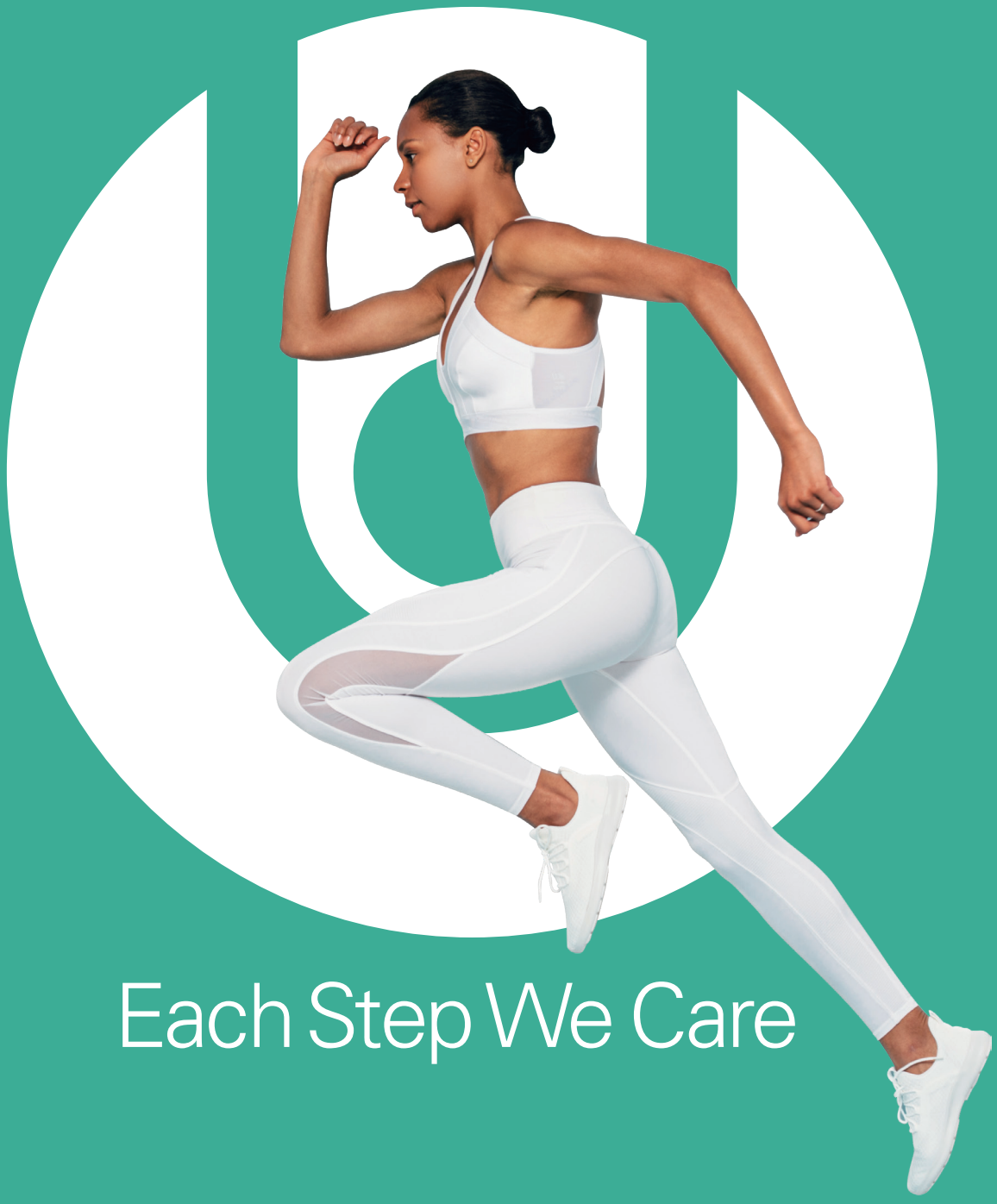

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