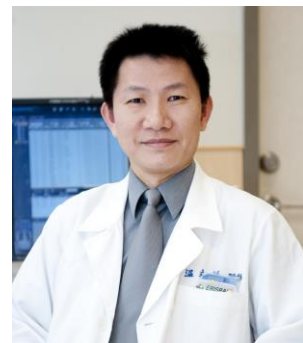


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**目前職務：** 台灣疼痛醫學會理事長、中國醫藥大學附設醫院疼痛治療暨研究中心主任、中國醫藥大學附設醫院麻醉部主治醫師、中國醫藥大學醫學系副教授、臺大醫院麻醉部兼任主治醫師

**過去經歷：** 台大醫院麻醉部住院醫師、台北縣立三重醫院麻醉科主任、署立台北醫院麻醉科、新光醫院麻醉科主治醫師、哈佛大學 Brigham and Women's Hospital 麻醉部疼痛研究中心基礎研究員、及台北醫學大學醫學系助理教授

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**獲獎及榮譽：** 台北醫學大學聯合師生研討會(2002 優秀論文獎)、美國針灸研究基金論文獎第三名(2003 美國、華盛頓)、台灣疼痛學會(2008 青年學術獎、2009 傑出研究獎、卓越講座獎 2016、多次優秀論文獎)、麻醉年會(多次海報論文獎)、中華針灸醫學會(多次論文獎)、新光醫院(多次優秀論文獎)、縣立三重醫院(年度優秀醫師獎、特殊貢獻獎)、台北醫學大學教學評量優秀教師獎(2011)、台灣醫學會雜誌(JFMA)年度「最有價值論文獎」(2012)、首爾國際發明展銀牌獎(2013)、國家生技醫療產業策進會第十屆「國家新創獎」(2013)、中國附設醫院傑出醫師獎(2015)、認證介入性疼痛治療院士(FIPP)(2017)、多項植入式晶片相關美國大陸台灣專利(2016~2018)、中國醫大臨床研究中心“臨床醫學研究貢獻卓越獎”(2018)、WIP 認證介入性疼痛治療認證(FIPP)考官(2019)

多次受邀至國際學術會議、國際級大體操作講習工作坊、及知名學府 (Harvard, Duke, UCLA, Maastricht Univ.、香港大學、釜山大學等)演講或示範

**臨床及學術專長：** 急慢性疼痛治療 (專長於「介入性微創治療」脊椎疼痛、超音波引導神經阻斷、癌症疼痛、神經病變性疼痛、慢性疼痛、慢性內臟疼等)、疼痛機轉基礎實驗、臨床麻醉學、針灸學

**學術著作：** 40 多篇 SCI 論文及多本中英文疼痛或安寧照顧相關專書之章節，文章遍布包括 *J Neurosci*, *Pain*, *Anesthesiology*, *Brain Behav Immun*, *Eur J Pain*, *Neuron Glia Biol*, *Sci Report*, *Pain Physician* 等高影響指數(impact factor)雜誌，均與疼痛治療、動物疼痛模型、及疼痛機轉研究相關。

## CURRICULUM VITAE

### NAME

Sean (Chia-Shiang) Lin, M.D., FIPP, CIPS, 林嘉祥醫師

### TITLE AND AFFILIATION

- Past (14<sup>th</sup>) President of Taiwan Pain Society
- Active Executive Director of Taiwan Pain Society
- Active Vice President of Taiwan Nerve MSK US Society
- Chief Director of Pain Management Center, Mackay Memorial Hospital, Taipei, Taiwan
- Section Director of Pain Management, Department of Anesthesiology and Pain Medicine, Mackay Memorial Hospital, Taipei, Taiwan
- Instructor for Specialist in Pain Medicine of CASP, Taiwan
- Board of Directors of CASP, Taiwan
- Fellow of Interventional Pain Practice (FIPP ) of World Institute of Pain
- Certified Interventional Pain Sonologist (CIPS) of World Institute of Pain
- Examiner of the FIPP&CIPS Examination at Annual meeting of WIP & WAPMU in Miami 2017 and 1st WIP Taipei East Asia Interventional Pain Workshop, 2019



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**Dr. Chia-Shiang (Sean) Lin is the Chief Director of Pain Management Center at Mackay Memorial Hospital, Taiwan. He has involved in the development of the post operative pain management and engaged the chronic pain clinic since 1995. Presently, he is involved in the research interests about the cancer pain; chronic spinal pain; chronic neuropathic pain and imaging guided interventional pain management. He had been a visiting staff at many Pain Centers of USA and Europe including MD Anderson Cancer Center, Texas Tech University Health Sciences, University of Stanford and Cleveland Clinic. Dr Lin is the pioneer of the ultrasound guided regional anesthesia and pain management in Taiwan since 2005. He has organized many lectures and workshops on ultrasound guided procedures with live demonstrations in numerous national and international scientific meeting for anesthesiologists and pain societies during recent 14 years. He is the convener of ultrasound workshop of 2nd Asian Congress on Pain of AAFPS 2014. Dr. Lin had been the Director of Taiwan Pain Society since 2005 and awarded to be the Honorary Member of Taiwan Pain Society on 2013 for his great contribution to the Society. Right now, Dr. Lin has taken the responsibility of the 14<sup>th</sup> President of Taiwan Pain Society since April 4th, 2015 till April 2017. After he has got the double certification of CIPS and FIPP together in 2016, he has been invited to be the Examiner of the FIPP&CIPS Examination at Annual meeting of WIP & WAPMU in Miami Jan, 2017 and 1st WIP Taipei East Asia Interventional Pain Workshop, 2019.**

CP Lin

Updated: Jun 29 2019

## CURRICULUM VITAE

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**Current Position:**

**Chief**, Division of Pain Medicine, Department of Anesthesiology  
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**Program Director**, Department of Anesthesiology, National Taiwan University Hospital

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**Associate Professor**, College of Medicine, National Taiwan University

**Examiner of FIPP & CIPS**, World Institute of Pain

**Chairperson**, Committee of Pain Medicine, Taiwan Society of Anesthesiologists



**Education:**

(1) **M.D.** School of Medicine, National Taiwan University

(2) **Master of Medical Science** Graduate Institute of Clinical Medicine, National Taiwan University

(3) **Ph.D.** Graduate Institute of Pharmacology, National Taiwan University

**Professional experiences:**

Aug 2018-Jul 2019 **Clinical Associate Professor**, College of Medicine, National Taiwan University

Aug 2014-Jul 2018 **Clinical Assistant Professor**, College of Medicine, National Taiwan University

Aug 2011-Jul 2012 **Visiting Assistant Professor**, Pain Management Center, Department of Anesthesia, Stanford University

**Awards:**


Young Investigator Award, 2011, Taiwan Pain Society

Distinguished Service Award, 2012, Taiwan Pain Society

Outstanding Research Award, 2017, Taiwan Pain Society

**Keywords / Area of interests:**

Pain medicine, Cancer pain management, Ultrasound guided regional anesthesia / pain management and vascular access, Image guided neuroablative and neuromodulatory procedures, Mechanism of neuropathic pain and opioid tolerance / opioid induced hyperalgesia, Pain psychology, Medical device development

	Ke-Vin Chang, MD, PhD, CIPS (Certified Interventional Pain Sonologist) , RMSK (Registered Musculoskeletal Ultrasound Sonographer), ASRA-PMUC ( Pain and MSK Interventional Ultrasound Certificate American Society of Reginal Anesthesia and Pain Medicine) Clinical Assistant Professor, (Chinese name:張凱閔, passport name: Chang, Kai-Min)
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**Biography**  
Dr. Chang is a board certificated physiatrist. He excels in diagnostic and interventional ultrasound for musculoskeletal disorders. He is also skilled in meta-analysis, a statistical method widely used in evidence based medicine.

**Education :**

2012-2015	PhD, Institute of Epidemiology and Preventive Medicine National Taiwan University, Taipei, Taiwan, ROC
2006- 2010	Residency of Rehabilitation, Department of Physical Medicine & Rehabilitation, National Taiwan University Hospital
1997- 2004	Bachelor degree in the School of Medicine, National Taiwan University

**Prizes / Awards / Distinctions**

- 1) Prize for the best oral presented paper issued by 9<sup>th</sup> Congress of Asian Federation Societies for Ultrasound in Medicine and Biology
- 2) Lien-I Nan Foundation Prize of Residency for the best scholarly article published during 2009-2010
- 3) Lien-I Nan Foundation Prize of New Visiting Staff for the best scholarly article published during 2011-2012
- 4) Lien-I Nan Foundation Prize of New Visiting Staff for the best scholarly article published during 2013-2014

**Publications (SCI and indexed by PubMed) :**

1. Wu WT, Chang KV, Ozcakar L and Martinoli C. A rare sonographic finding for suprascapular nerve entrapment: engorged suprascapular artery not vein. *Medical ultrasonography*. 2018; 20: 400-1.
2. Wu WT, Chang KV and Ozcakar L. Ultrasound facilitates the diagnosis of tarsal tunnel syndrome: intraneural ganglion cyst of the tibial nerve. *Journal of ultrasound*. 2018.
3. Vitoonpong T and Chang KV. Shoulder, Subluxation. *StatPearls*. Treasure Island (FL)2018.
4. Tantanatip A and Chang KV. Pain, Myofascial Syndrome. *StatPearls*. Treasure Island (FL)2018.
5. Su DCJ and Chang KV. Arthritis, Facet. *StatPearls*. Treasure Island (FL)2018.
6. Piraccini E and Chang KV. Stellate Ganglion Blocks. *StatPearls*. Treasure Island (FL)2018.
7. Ozcakar L, Kara M, Chang KV, Lew HL and Franchignoni F. Musculoskeletal Ultrasound Liberating Physical and Rehabilitation Medicine: A Reinforcement for "Runners," a Reminder for "Walkers" and the Last Call for "Couch Potatoes". *American journal of physical medicine & rehabilitation*. 2018; 97: e73-e4.
8. Mezian K, Chang KV, Zamecnik D, Mezian H and Ozcakar L. Herniation of Hoffa's Fat Pad Through the Lateral Retinaculum: Usefulness of Dynamic Ultrasonography to Diagnose a Lateral Knee Mass. *American journal of physical medicine & rehabilitation*. 2018.
9. Mezian K and Chang KV. Shoulder, Frozen. *StatPearls*. Treasure Island (FL)2018.
10. Lin YC, Wu WT, Hsu YC, Han DS and Chang KV. Comparative effectiveness of botulinum toxin versus non-surgical treatments for treating lateral epicondylitis: a systematic review and meta-analysis. *Clinical rehabilitation*. 2018; 32: 131-45.
11. Kaymak B, Kara M, Tok F, et al. Sonographic guide for botulinum toxin injections of the lower limb: EUROMUSCULUS/USPRM spasticity approach. *European journal of physical and rehabilitation medicine*. 2018; 54: 486-98.
12. Kara M, Kaymak B, Ulasli AM, et al. Sonographic guide for botulinum toxin injections of the

upper limb: EUROMUSCULUS/USPRM spasticity approach. *European journal of physical and rehabilitation medicine*. 2018; 54: 469-85.

13. Hung CY, Chang KV and Lam S. Dynamic Sonography for Snapping Knee Syndrome Caused by the Gracilis Tendon. *Journal of ultrasound in medicine : official journal of the American Institute of Ultrasound in Medicine*. 2018; 37: 803-4.

14. Hung CY and Chang KV. Gamekeepers Thumb (Skiers, Ulnar Collateral Ligament Tear). *StatPearls*. Treasure Island (FL)2018.

15. Hsu D and Chang KV. Biceps Tendon Rupture, Upper Limb. *StatPearls*. Treasure Island (FL)2018.

16. Chen YJ, Chang PH, Chang KV, Wu WT and Ozcakar L. Ultrasound Guided Injection for Medial and Lateral Pterygoid Muscles: A Novel Treatment for Orofacial Pain. *Medical ultrasonography*. 2018; 1: 115-6.

17. Chen IJ, Wang MT, Chang KV and Liang HW. Ultrasonographic images of the hand in a case with early eosinophilic fasciitis. *Journal of medical ultrasonics*. 2018.

18. Chen IJ, Chang KV, Wu WT and Ozcakar L. Ultrasound Parameters other than the Direct Measurement of Ulnar Nerve Size for Diagnosing Cubital Tunnel Syndrome: a Systemic Review and Meta-analysis. *Archives of physical medicine and rehabilitation*. 2018.

19. Chang KV, Wu WT, Ozcakar L and Martinoli C. A Rare Ultrasonographic Finding in Pudendal Neuralgia: Posteriorly Prolapsed Cervix. *Pain medicine*. 2018.

20. Chang KV, Wu WT and Ozcakar L. Ultrasonography Imaging for the Diagnosis and Guided Injection of Plantaris Tendon Strain in a Patient With Tennis Leg. *American journal of physical medicine & rehabilitation*. 2018; 97: e60-e1.

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2017; 25: 123-4.

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73. Wu CH, Chang KV, Ozcakar L, et al. Sonographic tracking of the upper limb peripheral nerves: a pictorial essay and video demonstration. *American journal of physical medicine & rehabilitation*. 2015; 94: 740-7.
74. Wongsithichai P, Chang KV, Hung CY and Wang TG. Dynamic ultrasound with postural change facilitated the detection of an incisional hernia in a case with negative MRI findings. *Journal of ultrasound*. 2015; 18: 279-81.
75. Ozcakar L, Kara M, Chang KV, et al. EURO-MUSCULUS/USPRM Basic Scanning Protocols for wrist and hand. *European journal of physical and rehabilitation medicine*. 2015; 51: 479-84.
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77. Ozcakar L, Kara M, Chang KV, et al. EURO-MUSCULUS/USPRM Basic Scanning Protocols for shoulder. *European journal of physical and rehabilitation medicine*. 2015; 51: 491-6.
78. Ozcakar L, Kara M, Chang KV, et al. EURO-MUSCULUS/USPRM Basic Scanning Protocols for elbow. *European journal of physical and rehabilitation medicine*. 2015; 51: 485-9.
79. Ozcakar L, Kara M, Chang KV, et al. Nineteen reasons why physiatrists should do musculoskeletal ultrasound: EURO-MUSCULUS/USPRM recommendations. *American journal of physical medicine & rehabilitation*. 2015; 94: e45-9.
80. Ozcakar L, Kara M, Chang KV, et al. EURO-MUSCULUS/USPRM. Basic Scanning Protocols for Ankle and foot. *European journal of physical and rehabilitation medicine*. 2015; 51: 647-53.
81. Ozcakar L, Kara M, Chang KV, et al. EURO-MUSCULUS/USPRM. Basic scanning protocols for hip. *European journal of physical and rehabilitation medicine*. 2015; 51: 635-40.
82. Hung CY, Chang KV and Ozcakar L. Reappraisal on the Role of Ultrasound Imaging for Lateral Hip Pain in a Case with Tensor Fascia Lata Tear. *American journal of physical medicine & rehabilitation*. 2015; 94: e63-4.
83. Hung CY, Chang KV and Ozcakar L. Sonographic Localization of the Piriformis Muscle Using a Caudal-to-Cranial Approach. *Regional anesthesia and pain medicine*. 2015; 40: 291-2.
84. Hung CY, Chang KV and Ozcakar L. Ultrasound Imaging of Torn Soleus Muscle. *PM & R : the journal of injury, function, and rehabilitation*. 2015; 7: 1106-7.
85. Hung CY, Chang KV and Ozcakar L. Snapping Hip due to Gluteus Medius Tendinopathy: Ultrasound Imaging in the Diagnosis and Guidance for Prolotherapy. *Pain medicine*. 2015; 16: 2040-1.
86. Hung CY and Chang KV. Letter to the editor: infrapatellar saphenous neuralgia after TKA can be improved with ultrasound-guided local treatments. *Clinical orthopaedics and related research*. 2015; 473: 1843-4.
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- with Chronic Widespread Pain Including Fibromyalgia? A Meta-analysis of Observational Studies. *Pain physician*. 2015; 18: E877-87.
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91. Chang KV, Hung CY and Ozcakar L. Ultrasound imaging for precise diagnosis and injection of isolated extensor pollicis brevis tenosynovitis: it is not always a simple de Quervain disease. *American journal of physical medicine & rehabilitation*. 2015; 94: 255.
92. Chang KV, Hung CY and Ozcakar L. Medial sesamoid bone avulsion but not plantar fasciitis: ultrasonographic diagnosis using sonopalpation. *Pain physician*. 2015; 18: E87-8.
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94. Chang KV, Hung CY and Ozcakar L. Snapping Thumb and Superficial Radial Nerve Entrapment in De Quervain Disease: Ultrasound Imaging/Guidance Revisited. *Pain medicine*. 2015; 16: 2214-5.
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96. Chang KV, Hung CY, Kao CW, et al. Development and Validation of the Standard Chinese Version of the CARE Item Set (CARE-C) for Stroke Patients. *Medicine*. 2015; 94: e1828.
97. Chang KV, Hung CY, Han DS, Chen WS, Wang TG and Chien KL. Early Versus Delayed Passive Range of Motion Exercise for Arthroscopic Rotator Cuff Repair: A Meta-analysis of Randomized Controlled Trials. *The American journal of sports medicine*. 2015; 43: 1265-73.
98. Chang KV, Hung CY, Han DS, Chen WS, Wang TG and Chien KL. Corrigendum. Early versus delayed passive range of motion exercise for arthroscopic rotator cuff repair: a meta-analysis of randomized controlled trials. *The American journal of sports medicine*. 2015; 43: NP26.
99. Hung CY, Chang KV, Chen PT, et al. Sonoelastography for the evaluation of an axillary schwannoma in a case of quadrilateral space syndrome. *Clinical imaging*. 2014; 38: 360-3.
100. Chang KV, Hung CY, Aliwarga F, Wang TG, Han DS and Chen WS. Comparative effectiveness of platelet-rich plasma injections for treating knee joint cartilage degenerative pathology: a systematic review and meta-analysis. *Archives of physical medicine and rehabilitation*. 2014; 95: 562-75.
101. Chang KV, Chiu HH, Wang SS, et al. Cardiac rehabilitation in a pediatric patient with heart retransplantation. A single case study. *European journal of physical and rehabilitation medicine*. 2014; 50: 199-205.
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103. Chang KV, Chen WS, Wang TG, Hung CY and Chien KL. Quantitative ultrasound facilitates the exploration of morphological association of the long head biceps tendon with supraspinatus tendon full thickness tear. *PloS one*. 2014; 9: e113803.
104. Chen PJ, Liang HW, Chang KV and Wang TG. Ultrasound-guided injection of steroid in multiple postamputation neuromas. *Journal of clinical ultrasound : JCU*. 2013; 41: 122-4.
105. Chang KV, Hung CY, Chen WS, Lai MS, Chien KL and Han DS. Effectiveness of bisphosphonate analogues and functional electrical stimulation on attenuating post-injury osteoporosis in spinal

- cord injury patients- a systematic review and meta-analysis. *PloS one*. 2013; 8: e81124.
106. Chang KV, Hsiao MY, Chen WS, Wang TG and Chien KL. Effectiveness of intra-articular hyaluronic acid for ankle osteoarthritis treatment: a systematic review and meta-analysis. *Archives of physical medicine and rehabilitation*. 2013; 94: 951-60.
107. Wu CH, Chang KV, Su PH, Kuo WH, Chen WS and Wang TG. Dynamic ultrasonography to evaluate coracoacromial ligament displacement during motion in shoulders with supraspinatus tendon tears. *Journal of orthopaedic research : official publication of the Orthopaedic Research Society*. 2012; 30: 1430-4.
108. Hung CY and Chang KV. Is therapeutic ultrasound a reliable tool for the diagnosis of bone stress injuries? Letter to the editor. *The American journal of sports medicine*. 2012; 40: NP25; author reply NP-6.
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110. Chang KV, Lew HL, Wang TG and Chen WS. Use of contrast-enhanced ultrasonography in musculoskeletal medicine. *American journal of physical medicine & rehabilitation*. 2012; 91: 449-57.
111. Chang KV, Chen WS, Wu RM, et al. Pulsed wave Doppler ultrasound is useful to assess vasomotor response in patients with multiple system atrophy and well correlated with tilt table study. *TheScientificWorldJournal*. 2012; 2012: 548529.
112. Chang KV, Chen SY, Chen WS, Tu YK and Chien KL. Comparative effectiveness of focused shock wave therapy of different intensity levels and radial shock wave therapy for treating plantar fasciitis: a systematic review and network meta-analysis. *Archives of physical medicine and rehabilitation*. 2012; 93: 1259-68.
113. Wu CH, Chang KV, Mio S, Chen WS and Wang TG. Sonoelastography of the plantar fascia. *Radiology*. 2011; 259: 502-7.
114. Chang KV, Wu CH, Yeh TS, Wang TG, Hsiao MY and Chen WS. Application of pulsed-wave Doppler ultrasound to exploration of the peripheral vasomotor response by gender and hand dominance. *Journal of medical ultrasonics*. 2011; 38: 195.
115. Chang KV, Wu CH, Wang TG, Hsiao MY, Yeh TS and Chen WS. Pulsed wave Doppler ultrasonography for the assessment of peripheral vasomotor response in an elderly population. *Journal of clinical ultrasound : JCU*. 2011; 39: 383-9.
116. Chang KV, Chen YJ and Wang TG. Sonographic appearance of a giant cell tumor of the humerus. *Journal of clinical ultrasound : JCU*. 2011; 39: 240-2.
117. Chang KV, Wu SH, Lin SH, Shieh JY, Wang TG and Chen WS. Power Doppler presentation of shoulders with biceps disorder. *Archives of physical medicine and rehabilitation*. 2010; 91: 624-31.

陳建行醫師

學歷：

中國醫藥大學醫學系38屆畢業(1995-2001)

經歷：

台中榮總內科住院醫院

台中榮總風濕免疫科專科醫師

中華民國風濕科專科醫師

中華民國免疫科專科醫師

中華民國超音波專科醫師

建行診所

## 演講者個人簡介

<p>照片(Picture)</p>		
	<p>中文(Chinese)</p>	<p>英文(English)</p>
<p>姓名(Name)</p>	<p>劉炳塘</p>	<p>Ping Tang Liu (Morgan)</p>
<p>個人專長 (Summary of Skills)</p>	<p>1.Ultrasound guided injection and prolotherapy 2.Kuan-Yin style Manipulation 3.Osteopathy &amp; Exercise prescription (MSU) 4.Applied kinesiology &amp; Anatomy train</p>	
<p>最高學歷 (EDUCATION)</p>	<p>國立陽明大學醫學系</p>	<p>National Yang-Ming University</p>
<p>現職(Position)</p>	<p>翔暘復健專科診所負責人 Head of Xiang-Yang Rehabilitation Clinics</p>	
<p>個人經歷 (Background)</p>	<p>Taiwan Academy of Sports Medicine (TASM) Taiwan Association of Prolotherapy and Regenerative Medicine (TAPRM) Taiwan Pain Society (TPS) Certified Interventional Pain Sonologist (CIPS) 前台北榮總代訓醫師 Director of rehabilitation department of Hengchun Tourism Hospital Group lecturer of NMUSIT &amp; MSUSIT Michigan State University MET Level I &amp; Exercise prescription Lyftogt PIT</p>	
<p>個人網頁網址 (personal web site)</p>	<p><a href="https://xyrehab.blog/blog/">https://xyrehab.blog/blog/</a></p>	

## Pan, Jen-Li, MD, CIPS, EMBA

Attending Physician, Department of Physical Medicine and Rehabilitation, Taipei Medical University Hospital, Taipei, TAIWAN

Medical Director, PAN Regenerative Pain Clinic, Taipei, TAIWAN

Director of Social Media, World Academy of Pain Medicine Ultrasonography (WAPMU)

Board-certified in Physical & Rehabilitation Medicine, Taiwan Academy of PM&R (TAPMR)

Board-certified in Pain Medicine, Taiwan Pain Society (TPS)

Board-certified in Musculoskeletal Ultrasound, Taiwan Society of Ultrasound in Medicine (SUMROC)

Certified Interventional Pain Sonographer (CIPS), WAPMU

### Degrees:

Doctor of Medicine (MD), National Taiwan University

EMBA, National Taiwan University

### Academic Activities

2000 Sports Medicine Visiting Physician, Mayo Clinic, Rochester, MN, USA

2001 National Team Physician, Chinese Taipei U20 Male Soccer Team, Tokyo, Japan.

2002 Advanced Team Physician Course, ACSM, San Antonio, TX, USA

2003 Ultrasound-guided Pain Intervention Course, Heidelberg(Ger)/Vienna Univ.(Aus)

2003 Visiting Physician, Ultrasound-guided Pain Medicine, Vienna University, Austria

2004 National Team Physician, Chinese Taipei Female Olympic Soccer Team

2005 Prolotherapy Training Course, AAOM, Colorado Springs, CO, USA

2005 Invited Workshop Tutor: "Ultrasound-guided Peripheral Nerve Block", TPS annual conference, Taiwan

2007 Invited Speaker & Workshop Tutor:" Ultrasound-guided Prolotherapy" AAOM, Las Vegas, NV, USA

2009 National Best Selected Physician, Business Weekly, Taiwan

2013 Invited Speaker: "Ultrasound-guided PRP injection in Joint-related Disorders: Clinical Tips" TAPMR conference, Taiwan

2014 Invited Speaker "Integrating PRP and HA in Joint Preservation" Global PRP Forum, Biobridge Foundation, Venice, Italy

2015 Faculty (Musculoskeletal Ultrasound) and Invited Speaker, TOBI annual meeting, Las Vegas, NV, USA [www.prpseminar.com](http://www.prpseminar.com)

2016 Invited Speaker: "Cells for Pain", Seasonal meeting, Taiwan Pain Society, Taichung

2017 Invited Speaker: "Ultrasound-guided PRP injection in Regeneration of Partially Torn Posterior Cruciate Ligament of the Knee, the Taiwan Series." ICCNU annual conference, Seoul, Korea.

2017 Invited Speaker: "Cell Therapy in Pain Medicine, the Future is Now" TAPRM conference, Taipei, Taiwan

2017 Workshop Instructor: "Ultrasound in Nerve Tracking" NMUSIT 2017, Taipei, Taiwan

2017 Invited Speaker: "Ultrasound in Pain Medicine, the Lower Extremity" Sonosite Conference, Bangkok, Thailand.

2018 Invited Speaker: "Ultrasound-guided PRP Injections for Partially Torn Cruciate Ligaments" "MSCs-PRP Interplay: The Evidence for Another Step Forward" Biobridge Asia-Pacific Conference, Sydney, Australia

2018 Invited Speaker: "Ultrasound-guided Regenerative Pain Practice: from PRP to Cell-based Therapy", WAPMU-TPS Joint Conference, Taipei, Taiwan

2018 Invited Full-day Speaker, Visiting Speaker Programs, MSK Ultrasound Master Course, Sonosite Fujifilm Company, Seoul, Korea

2018 Invited "Ultrasound-guided Pain Interventions" Workshop Instructor, First Mediterranean Conference on Comprehensive Joint Care, Split, Croatia

2019 Invited Supporting Faculty, International Cadaver Workshop on Ultrasound-guided Regional Anesthesia and Pain Medicine, Medical University of Innsbruck, Austria.

2019 Program Organizer, 2019 Prolo@TPE, Taiwan Pain Society  
2019 Invited Speaker on “Ultrasound-guided Regenerative Interventions in Pelvic Girdle Pain” Japanese Association of Orthopedic Ultrasonics, Nagoya, Japan.

**Specialty:**

Cell-based Regenerative Pain Medicine  
Ultrasound-guided Pain Intervention/hydrorelease  
Platelet-rich Plasma Injections  
Dry Needle Fibrolysis/MTrP injections  
Dextrose Prolotherapy  
Hyaluronate Injections/Visco-dissections  
System Pain Approaches  
Functional Pain Medicine

**Websites:**

Cells for Pain <https://www.facebook.com/cellsforpain/>  
Pain Hydrodissection [www.facebook.com/painhydrodissection](http://www.facebook.com/painhydrodissection)  
PRP for Pain [www.facebook.com/prpforpain](http://www.facebook.com/prpforpain)  
Pan Clinic [www.facebook.com/drpanclinic](http://www.facebook.com/drpanclinic)  
Global Pain Practice <https://www.facebook.com/groups/283341491838387/>



### **Sudhir Diwan, MD, FIPP, DABIPP**

President, Park Avenue Spine and Pain, New York

Dr. Sudhir Diwan, nationally and internationally recognized as a key opinion leader in the field of pain management, is the President, Park Avenue Spine and Pain, New York, Associate Clinical Professor at Albert Einstein College of Medicine, New York. Dr. Diwan was the former Director of the Tri-Institutional Pain Fellowship Program and Division of Pain Medicine at Ivy League Weill Medical College of Cornell University for more than a decade, where he also served as associate professor of clinical anesthesiology, and on the faculty at the world renowned New York Presbyterian Hospital.

Dr. Diwan has published extensively in prestigious peer-reviewed medical journals and medical books on a variety of pain management topics. He is on the Editorial Board for the *Pain Physician* - an official journal of the American Society of Pain Physicians (ASIPP) since 2008, and *Pain Practice* – official journal of World Institute of Pain (WIP) since 2009. He was invited Guest Editor for *Journal of Techniques in Regional Anesthesia and Pain Management* 2009. Dr. Diwan is the Examiner for the Certification Board for American Board of Interventional Pain Physicians (ABIPP) and Fellow of Interventional Pain Practice (FIPP) offered by the World Institute of Pain. Dr. Diwan is Co-Editor for *Intrathecal Drug Delivery for Pain and Spasticity*, Vol 2, Timothy Deer, Series Editor, Elsevier-Saunders 2012, and Co-Editor for *Diwan-Staats's Atlas of Pain Medicine Procedures*, McGraw Hill Education 2015, and *Advanced Procedures for Pain Management, A step-by-step Atlas*, Springer US, 2018

In addition to his busy pain management practice in New York City, Dr. Diwan lectures extensively and interacts regularly with experts in the field of pain medicine nationally and internationally. He has been guest speaker for many noteworthy organizations including the American Society of Interventional Pain Physicians (ASIPP), and State Societies including WVSIPP, FSIPP, GSIPP, OSIPP, – Pain Meetings, the World Institute of Pain, and numerous International pain specialty societies and congresses overseas including Ireland, Italy, India, Hungary, Brazil, Switzerland, Spain, Argentina and Mexico. Currently he is Executive Director of NYSIPP and Course Chairman of the Annual NYSIPP/NJSIPP Pain Medicine Symposium, and **President of ASIPP**.

George C. Chang Chien D.O. ABIPP, CIPS

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#### Work Experience

July 2015 – Present Director

Pain Management

Ventura County Medical Center Anacapa Surgical Associates

2015 – Present Director

GCC Institute

Regenerative Medicine Institute

2014 – Present Director of Medical Education

Advanced Regenerative Medicine Institute ARMI Ultrasound and Regenerative Medicine

2014 – Present Founder

GCC Institute

Ultrasound and Regenerative Medicine Training

#### Medical Training

July 2014 – June 2015 Pain Medicine Fellowship

Cleveland Clinic Foundation

Anesthesiology Institute

July 2011 – June 2014 Physical Medicine & Rehabilitation Residency

Rehabilitation Institute of Chicago

Northwestern University



July 2010 – June 2011 Transitional Year Internship

Advocate Illinois Masonic Medical Center

Department of Medicine

July 2005– June 2010 Doctor of Osteopathic Medicine, Western University

Pomona CA

#### Additional Qualifications and Training

2018 - Present CIPS

World Institute of Pain

2017 - Present ABIPP Boarded

Interventional Pain Management ABIPP Certificate

Regenerative Medicine

#### Expertise

Fluoroscopic guided injections Musculoskeletal ultrasound Sports medicine

Botulinum toxin for spasticity and migraine

Regenerative medicine Osteopathic manipulation

Pain rehabilitation/Functional restoration Rehabilitation consultation

Ming-Chih Kao

- Clinical Assistant Professor, Orthopaedic Surgery
- Clinical Assistant Professor, Anesthesiology, Perioperative and Pain Medicine Curriculum Vitae available Online

#### CLINICAL OFFICES

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#### ACADEMIC CONTACT INFORMATION

- Administrative Assistant

Wendy Schadle - Administrative Assistant

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Bio

BIO

He is the Clinic Chief at Stanford Pain Management. A computational biologist and pain physician by training, he studied molecular biology and psychology at UC Berkeley. At Harvard University he earned his PhD in biostatistics, developing methods for rigorous understanding of heritable diseases and genomic sequences. He then pursued medical training at University of Michigan, Yale, and Stanford.

To bring world-class pain care to as many patients as possible, Dr. Kao sees patients across the Bay Area at several locations: the Peninsula in Redwood City, the East Bay in Emeryville & Livermore, and South Bay in San Jose.

He is the author of more than 20 scientific journal articles, Dr. Kao is the creator of Pain Medicine Database, a comprehensive database that links together all known pain diagnoses, pain medications, and pain procedures. His mission is to offer all of his patients comprehensive interdisciplinary diagnosis and treatment, leveraging the full extent of what is known in state-of-the-art Pain Medicine.

In addition to providing clinical care, Dr. Kao teaches physicians and trainees on diagnostic work-up of complex pain, techniques of interventional procedures, and scientific methods of pain studies. He

is a Certified Interventional Pain Sonographer (CIPS) as well as a Fellow in Interventional Pain Practice (FIPP).

#### CLINICAL FOCUS

- Pain Medicine
- Musculoskeletal pain
- Ultrasound procedures
- Nerve entrapment
- Neuropathies
- Tendon problems
- Abdominal pain
- Unusual pain conditions

- Opioid alternatives

#### ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Orthopaedic Surgery
- Clinical Assistant Professor, Anesthesiology, Perioperative and Pain Medicine

#### ADMINISTRATIVE APPOINTMENTS

- Clinic Chief, Stanford Pain, (2017- present)
- Associate Division Chief of Operations, Stanford Pain, (2015-2017)
- Chief Fellow, Stanford Pain, (2013-2014)
- Chief Resident, Stanford Physical Medicine and Rehabilitation, (2012-2013)

#### HONORS AND AWARDS

- Concurrent Poster Research Highlights, American Academy of Pain Medicine (Mar 2016)
- Concurrent Poster Research Highlight, American Academic of Pain Medicine 2015 (Mar 2015)
- Best Original Research, PM&R Journal (Oct 2015)
- Best Spine and Pain Research Presentation, American Association of Physical Medicine & Rehabilitation (Nov 2014)
- Concurrent Poster Research Highlights, American Academy of Pain Medicine (Mar 2014)
- Best Poster Finalist, Center for Disease Control, Center for Health Statistics (Aug 2012)
- Best Poster Award, SpineWeek, International Society for Study of the Lumbar Spine (ISSLS) (Jun

2012)

- Peter Singleton Award, Stanford PM&R (Jun 2012)
- Best Musculoskeletal Research Presentation, American Association of Physical Medicine & Rehabilitation (Nov 2011)
- 2013 Outstanding Paper Award for Medical/Interventional Science, Spine Journal & North American Spine Society (NASS) (Oct 2013)
- First Place, Health 2.0 Developer Challenge Code-a-thon (Oct 2010)
- NIH Training Grant, National Institute of Mental Health (1999)
- Howard Hughes Pre-Doctoral Fellowship, Howard Hughes Medical Institute (2000)

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Association of Pain Medicine (2013 - present)