

CURRICULUM VITAE



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BRIEF INTRODUCTION

Dr. Lin is one of the pioneers in the development of ultrasound-guided techniques for regional anesthesia and pain medicine (RAPM). With an aim to promote standard practice in this aspect, Dr. Lin published several ultrasound standards for peripheral nerve block in the field of RAPM in *British Journal of Anaesthesia*. Dr. Lin's research interests mainly involved technique development and associated education in the field of RAPM. As the author of peer-reviewed articles as well as book chapters, Dr. Lin published special articles to build up the unified nomenclature system for some peripheral nerve block techniques to facilitate education, communication, and future research. Dr. Lin has been an invited speaker and a regular faculty member at multiple national or international congresses related to his scientific interests. Some of his talks in the congress regarding practice advisories on peripheral nerve block have been invited by SCI journals to be published as educational material. In addition to assuming the roles of academic editor and advisor in many SCI journals, Dr Lin stays at the cutting edge of this field by leading international research collaborations. As the founder of the Center for Regional Anesthesia and Pain Medicine (CRAPM) at Taipei Medical University, Dr. Lin has over 50 internationally renowned experts as consultants to support RAPM education for his CRAPM. He is currently imparting his know-how on establishing CRAPM at Taipei Medical University to other organizations., including Chung Shan Medical University, to broaden the horizons of RAPM education and practice in Taiwan. Recently, Dr. Lin was awarded the 2023 Taiwan Pain Society Research Prize and elected as the executive supervisor of Taiwan Pain Society, where he continuously dedicated himself to RAPM development. Under Dr. Lin's leadership, in Aug 2024, the Taiwanese Society of Regional Anesthesia and Pain Management (TSRAPM) was successfully founded, and Dr. Lin was elected as its President to act as the link to other major international societies in the field of RAPM.

COMMUNITY SERVICE

- Taiwanese Society of Regional Anesthesia and Pain Management (TSRAPM)
✧ **President** 2024 - present
- Taiwan Pain Society
✧ **Executive Supervisor** 2023 - present
- Association of Southeast Asian Nations Congress of Anaesthesiologists (ACA)
✧ **Faculty of Pre-conference Workshop** Sep 2019
- Regional Anesthesia Asia (RA Asia)
✧ **International Faculty** 2018 - present
- Taiwan Pain Society
✧ **Committee member** 2015 - present
- Taiwan Society of Anesthesiologists
✧ **Committee member** 2014 - present
- Taiwan Enrac Society
✧ **Secretary-General** 2011 – 2013

EDITORIAL EXPERIENCE

- ✧ Special Issue Editor, *Life* 2023 - present
(2023 Five-year impact factor: 3.1)
➔ **Special Issue A Paradigm Shift in Airway and Pain Management – 2nd Edition**
(https://www.mdpi.com/journal/life/special_issues/EBT02KWQFA)
(Open for submission)
- ✧ Lead Topic Editor, *Frontiers in Medicine* 2024 - present
(2023 Five-year impact factor: 3.4)
➔ **Research Topic Advances in Minimally Invasive Joint Pain Management: Denervation and Trans-arterial Embolization**
(<https://www.frontiersin.org/research-topics/63569/advances-in-minimally-invasive-joint-pain-management-denervation-and-transarterial-embolization>)

(Open for submission)

- ✧ Editorial Board Member, *Dose-Response* 2024 - present
(2023 Five-year impact factor: 2.5)
➔ **International Dose-Response Society**
(<https://journals.sagepub.com/editorial-board/DOS>)
- ✧ Special Issue Editor, *Life* 2023 - present
(2023 Five-year impact factor: 3.1)
➔ **Special Issue A Paradigm Shift in Airway and Pain Management**
(https://www.mdpi.com/journal/life/special_issues/378LD7C5OV)
- ✧ Editorial Board Member, *Pain and Therapy* 2022 - present
(2023 Five-year impact factor: 4.2)
➔ **Anesthesia & analgesics** section
(<https://www.springer.com/journal/40122/editors>)
- ✧ Advisory Board Member, *Pain and Therapy* 2021 - present
(2023 Five-year impact factor: 4.2)
(<https://www.springer.com/journal/40122/editors>)
- ✧ Section Founding Editor, *Cell Transplantation* 2021 - 2023
(2023 Five-year Impact Factor: 4.1)
➔ **Pain Medicine** section
- ✧ Lead Topic Editor, *Frontiers in Pharmacology* 2021 - 2022
(2023 Five-year Impact Factor: 5.0)
Lead Topic Editor, *Frontiers in Oncology*
(2023 Five-year Impact Factor: 4.0)
➔ **Research Topic Impact of Anesthetics on Cancer Behavior and Outcome (Accomplished)**
(<https://www.frontiersin.org/research-topics/20342/impact-of-anesthetics-on-cancer-behavior-and-outcome>)
- ✧ Editorial board member, *PLOS ONE* 2021 - present
(2023 Five-year Impact Factor: 3.3)
➔ **Anesthesiology** section
(<https://journals.plos.org/plosone/static/editorial-board>)

- ✧ Editorial board member, *BioMed Research International* 2020 - present
 (2023 Five-year Impact Factor: 3.1)
 → **Anesthesiology** section
 (<https://www.hindawi.com/journals/bmri/editors/>)
- ✧ Lead Editor, *BioMed Research International* 2016 - present
 (2023 Five-year Impact Factor: 3.1)
 → **Special issue** Advances of Techniques in Deep Regional Blocks (Accomplished):
 (<https://www.hindawi.com/journals/bmri/si/539081/>)
 → **Special issue** Advances in Techniques for Motor-Sparing Neural Intervention (closed for submission)
 (<https://www.hindawi.com/journals/bmri/si/375457/>)
- ✧ Editorial board member, *International Journal of Clinical Practice* 2021 - present
 (2023 Five-year Impact Factor: 2.4)
 (<https://www.hindawi.com/journals/ijclp/editors/>)
- ✧ Senior Editor, *Asian Journal of Anesthesiology* 2017 - present
- ✧ Editor, *Acta Anaesthesiologica Taiwanica* 2014 - 2017
- ✧ Executive Editor, *Acta Anaesthesiologica Taiwanica* 2003 - 2014

AWARD IN RECENT THREE YEARS

TPS Research Prize	Taiwan Pain Society	April 2023
Outstanding Paper Award	Wan Fang Hospital	June 2022
Outstanding Paper Award	Wan Fang Hospital	Jan 2022
Outstanding Paper Award	Wan Fang Hospital	Nov 2021
Silver Prize (Best Improvement)	2021 ResearchGate Arena held by Taipei Medical University	July 2021

EMPLOYMENT

Director	Department of Anesthesiology, School of Medicine, Chung Shan Medical University	2023 - present
Director	Division of Pain Management, Chung Shan Medical University Hospital	2022 - present
Director	Centers for Regional Anesthesia and Pain Medicine (CRAPM), Wan Fang Hospital	2020 - 2022
Director	Clinical Anesthesia, Wan Fang Hospital <ul style="list-style-type: none"> ✧ Pain Clinic ✧ Ultrasound-guided Regional Anesthesia ✧ Acute Pain Management 	2019 - 2022
Director	Pain Research Center, Wan Fang Hospital	2019 - 2022
Director	Pain Management, Wan Fang Hospital <ul style="list-style-type: none"> ✧ Pain Clinic ✧ Acute Pain Management 	2019 - 2020
Attending Physician	Wan Fang Hospital <ul style="list-style-type: none"> ✧ Ultrasound-guided Regional Anesthesia 	2015 - 2022
Attending Physician	Taipei Medical University Hospital <ul style="list-style-type: none"> ✧ Ultrasound-guided Regional Anesthesia ✧ Total Intravenous Anesthesia ✧ Enrac Pain Management 	2008 - 2015
Attending Physician	Tri-Service General Hospital <ul style="list-style-type: none"> ✧ Clinical Anesthesia ✧ Enrac Pain Management 	2006 - 2008
Chief Resident	Tri-Service General Hospital <ul style="list-style-type: none"> ✧ Clinical Anesthesia ✧ Enrac Pain Management 	2005 - 2006
Anesthesiology Resident	Tri-Service General Hospital <ul style="list-style-type: none"> ✧ Clinical Anesthesia ✧ Enrac Pain Management 	2002 - 2005

EDUCATION

Ph.D.	Taipei Medical University, Graduate Institute of Clinical Medicine ✧ Anti-inflammation in Biological Tolerance	2016
M.D.	National Defense Medical Center, School of Medicine	2000

ACADEMIC POSITION

Associate Professor	Chung Shan Medical University, Anesthesiology	2022 - present
Associate Professor	Taipei Medical University, Anesthesiology	2019 - 2022
Assistant Professor	Taipei Medical University, Anesthesiology	2012 - 2019
Lecturer	Taipei Medical University, Anesthesiology	2008 - 2012
Lecturer	National Defense Medical Center, Anesthesiology	2007 - 2012

CERTIFICATION

Specialist	Taiwan Society of Anesthesiologists	2006
Instructor	Enrac Ko Medicine	2006

RESEARCH INTERESTS

Regional Anesthesia and Pain Management

- ✧ Regional block
- ✧ Technique Development
- ✧ Practice Advisories
- ✧ Ultrasound Ergonomics
- ✧ Radiofrequency
- ✧ Regenerative therapy

Information Science

- ✧ Big Data Science
- ✧ Bibliometric Analysis
- ✧ Artificial Intelligence

Medical Education

- ✧ Impact of Virtual Reality on Anatomy Education
- ✧ Professional Identity Formation of Medical Personnel
- ✧ Developing a Resource-sharing Digital Educational Platform

Oncological Anesthesiology

- ✧ Effect of Clinically Relevant Lidocaine Concentration on Tumor Behavior
- ✧ Cancer Model Development
- ✧ Human Tumor Metastasis Evaluated by Chicken Chorio-allantoic Membrane Assay

Perioperative Medicine

- ✧ Surgical Outcome Impacted by Perioperative Factor or Autoimmune Disease

Critical Care

- ✧ Cell Model for Post-fracture Immune Dysfunction
- ✧ Immune Homeostasis during Surgical Trauma

Opioid Tolerance/Neuropathic Pain

- ✧ Pathology and Mechanisms Shared in Common
- ✧ Strategies for Preserving the Analgesic Effect of Opioids

SKILLS

Focusing on technique development and education in terms of Regional Anesthesia and Pain Management (RAPM), Dr. Lin developed several practice advisories for ultrasound-guided deep regional blocks, which had been published as global ultrasound standards in *British Journal of Anesthesia*. Some of them have been adopted in RAPM textbooks as well.

Ultrasound-guided Deep Regional Blocks and Neuromodulation (such as radiofrequency) for Regional Anesthesia and Pain Medicine

Ergonomics and Safety in Deep Regional Blocks

INVITED LECTURES (INTERNATIONAL)

Update in proximal obturator nerve block

Aug 2023

- ✧ 6th Annual Meeting of Korean Society of Regional Anesthesia (KSRA) conjoined with Regional Anesthesia-Asia (RA-ASIA), Seoul, Korea

- Paravertebral Block (Regional Anesthesia MASTER CLASS)** Nov 2019
- ✧ International Symposium of Ultrasound in Regional Anesthesia (ISURA) in conjunction with 51th Annual Convention of the Philippine Society of Anesthesiologists (PSA), **Manila**, Philippines
- Ergonomics in Peripheral Nerve Block** Sep 2019
- ✧ 21st Association of Southeast Asian Nations [ASEAN] Congress of Anaesthesiologists (ACA), **Bandar Seri Begawan**, Brunei
- Challenges and Management of Liver Radiofrequency Ablation** Jun 2019
- ✧ The 8th Annual Meeting of Regional Anesthesia Asia (RA Asia), **Hanoi**, Vietnam
- Regional Anesthesia for Hip Fracture Repair** Apr 2019
- ✧ The 15th Asian and Oceanic Society of Regional Anesthesia and Pain Medicine Congress (AORSA-PM) in conjunction with the 6th Annual Meeting of the Japanese Society of Regional Anesthesia (JSRA), **Kochi**, Japan.
- Safety in Deep Regional Blocks** May 2018
- ✧ The 7th Annual Meeting of Regional Anesthesia Asia (RA Asia), **Tokyo**, Japan
- Road to Peripheral Nerve Block: TMU Experience** Nov 2016
- ✧ The 9th Meeting of the Gateway to the Successful Peripheral Nerve Block (GSPNB), **Osaka**, Japan

WORKSHOP DEMONSTRATION

- Axillary Nerve Block, Anterior Approach** Apr 2022
- ✧ Cadaver workshop during the Taiwan Pain Society (TPS) annual meeting, Hualien, Taiwan
- Brachial Plexus above the Clavicle (Talk and then as the facilitator)** Nov 2019
- ✧ International Symposium of Ultrasound in Regional Anesthesia (ISURA) in conjunction with the 51st Annual Convention of the Philippine Society of Anesthesiologists (PSA), **Manila**, Philippines
- Sciatic - Subgluteal, Popliteal** Sep 2019
- ✧ 21st Association of Southeast Asian Nations [ASEAN] Congress

of Anaesthesiologists (ACA), **Bandar Seri Begawan**, Brunei

Obturator Nerve Block/Lateral Femoral Cutaneous Nerve Block	Jun 2019
✧ Regional Anesthesia Asia (RA Asia), Hanoi , Vietnam	
Lumbar Plexus Block/Parasacral Sciatic Block	Apr 2019
✧ The 15th Asian and Oceanic Society of Regional Anesthesia and Pain Medicine Congress (AORSA-PM) in conjunction with the 6th Annual Meeting of the Japanese Society of Regional Anesthesia (JSRA), Kochi , Japan.	
Lumbar Plexus Block	May 2018
✧ Regional Anesthesia Asia (RA Asia), Tokyo , Japan	
Lumbar Plexus Block (Live Demo in Cadavers)	Aug 2014
✧ Cadaver Workshop, Yokohama , Japan	

PROFESSIONAL SERVICE

Organizer of Regional Pain Meeting in Central Taiwan	Jan 2024
✧ Taiwan Pain Society (TPS) Quarterly Meeting, Taichung, Taiwan	
Organizer of Anesthesia Symposium and Workshop for Regional Anesthesia and Analgesia	Nov 2023
✧ 2023 Annual Meeting of Taiwan Society of Anesthesiologists and Hands-on Workshop, Taichung, Taiwan	
Chairing of Regional Blocks Section	Aug 2023
✧ 6th Annual Meeting of Korean Society of Regional Anesthesia (KSRA) conjoined with Regional Anesthesia-Asia (RA-ASIA)	
Faculty of Ultrasound- and Fluoroscopy-guided Pain Intervention Symposium and Workshop	Apr 2022
✧ Taiwan Pain Society (TPS) Pain Symposium and Hands on Cadaver Workshop, Hualien, Taiwan	
Offering a 6 - 12 Month Hands-on Practice for Regional Anesthesia Subspecialty Overseas Training for Foreign Anesthesiologists	Aug 2020

- ✧ In collaboration with the Coordinator (Dr. Amiruddin Nik Mohammed Kamil) of Regional Anesthesia Subspecialty Training in Malaysia from Hospital Kuala Lumpur (Postponed due to COVID-19)

International Symposium Co-Organizer

Mar 2020

- ✧ (Regional Anesthesia and Pain Medicine) RAPM Taiwan, Far Eastern Memorial Hospital (postponed due to COVID-19)

Chairing of Regional Anesthesia Section

Sep 2019

- ✧ 21st ACA (Association of Southeast Asian Nations [ASEAN] Congress of Anaesthesiologists), **Bandar Seri Begawan**, Brunei

BOOKS

- ✧ **Lin, J.A.**, Hsu A.C. *in press*. Obturator Nerve Block. In: Atchabahian A. et al., ed. *Regional Anesthesia: from Anatomy to Clinical Practice* (Cambridge University Press)
- ✧ Chapters contributor, 2017. In: Hadzic A, ed. *Hadzic's Textbook of Regional Anesthesia and Acute Pain Management* (2nd edition) (ISBN: 978-0-07-171759-5)
- ✧ Ko, S.C., Chao, H.R., Wong, C.S., **Lin, J.A.**, 2007. *Atlas of Ko Medicine Pressure Points* (ISBN: 978-986-83890-0-7)

JOURNAL PUBLICATIONS

Only SCI publications with Dr. Lin as **first author** or **corresponding author** are listed below

- ✧ **Lin J.A.**, Liao C.C., Lee Y.J., Wu C.H., Huang W.Q., Chen T.L., 2014. Adverse outcomes after major surgery in patients with systemic lupus erythematosus: a nationwide population-based study. *Ann Rheum Dis*. 73, 1646-51. (2023 IF: **20.3**, Ranking 2/57 [3.51%], RHEUMATOLOGY) - **INFORMATION SCIENCE with INTERNATIONAL COLLABORATION**
- ✧ Sun M.*, **Lin J.A.***, Chang C.L., Wu S.Y., 2022. Association between long-term opioid use and cancer risk in patients with chronic pain: a propensity score-matched cohort study. *Br J Anaesth*. 129, 84-91. (2023 IF: **9.1**, Ranking 1/64 [1.56%], ANESTHESIOLOGY) (*First author) - **INFORMATION SCIENCE**
- ✧ **Lin J.A.***, Lee Y.J., Lu H.T., Lin Y.T., 2015. **Ultrasound standard** for popliteal sciatic block: circular expansion of the paraneural sheath with the needle in-plane

from lateral-to-medial in the 'reverse Sim's position'. *Br J Anaesth.* 115, 938-40. (2023 IF: **9.1**, Ranking 1/64 [1.56%], ANESTHESIOLOGY) (*Corresponding author)

-EDUCATION MATERIAL

- ✧ **Lin J.A.***, Chuang TY, Yao HY, Yang SF, Tai YT., 2015. **Ultrasound standard** of peripheral nerve block for shoulder arthroscopy: a single-penetration double-injection approach targeting the superior trunk and supraclavicular nerve in the lateral decubitus position. *Br J Anaesth.* 115, 932-4. (2023 IF: **9.1**, Ranking 1/64 [1.56%], ANESTHESIOLOGY) (*Corresponding author) - **EDUCATION MATERIAL**
- ✧ Lee Y.J., Chung C.C., Chou H.C., **Lin J.A.***, 2015. Block for uniportal video-assisted thoracoscopic surgery: an ultrasound-guided, single-penetration, double-injection approach. *Br J Anaesth.* 115, 792-4. (2023 IF: **9.1**, Ranking 1/64 [1.56%], ANESTHESIOLOGY) (*Corresponding author)
- ✧ **Lin J.A.***, Nakamoto T., Yeh S.D., 2015. **Ultrasound standard** for obturator nerve block: the modified Taha's approach. *Br J Anaesth.* 114, 337-9. (2023 IF: **9.1**, Ranking 1/64 [1.56%], ANESTHESIOLOGY) (*Corresponding author) - **EDUCATION MATERIAL with INTERNATIONAL COLLABORATION**
- ✧ **Lin J.A.***, Lee Y.J., Lu H.T., 2014. Finding the bulging edge – a modified shamrock lumbar plexus block in average-weight patients. *Br J Anaesth.* 113, 718-20. (2023 IF: **9.1**, Ranking 1/64 [1.56%], ANESTHESIOLOGY) (*Corresponding author) - **EDUCATION MATERIAL on TECHNIQUE DEVELOPMENT**
- ✧ **Lin J.A.***, Lu H.T., 2014. Solution to the challenging part of Shamrock method during lumbar plexus block. *Br J Anaesth.* 113, 516-7. (2023 IF: **9.1**, Ranking 1/64 [1.56%], ANESTHESIOLOGY) (*Corresponding author) - **EDUCATION MATERIAL on TECHNIQUE DEVELOPMENT**
- ✧ **Lin J.A.***, Lu H.T., Chen T.L., 2014. **Ultrasound standard** for lumbar plexus block. *Br J Anaesth.* 113, 188-9. (2023 IF: **9.1**, Ranking 1/64 [1.56%], ANESTHESIOLOGY) (*Corresponding author) - **EDUCATION MATERIAL**
- ✧ **Lin J.A.***, Lu H.T., 2014. A convenient alternative for monitoring opening pressure during multiple needle redirection. *Br J Anaesth.* 112, 771-2. (2023 IF: **9.1**, Ranking 1/64 [1.56%], ANESTHESIOLOGY) (*Corresponding author) - **EDUCATION MATERIAL on TECHNIQUE DEVELOPMENT**
- ✧ Wu, S.Y., Huang, J.Y., Lai, Y.R., **Lin, J.A.*** 2023. Association between long-term opioid use and cancer risk in patients with chronic pain. Response to *Br J Anaesth* 2022; 129: e104-e105. *Br J Anaesth.* 130, e488-9. (2023 IF: **9.1**, Ranking 1/64 [1.56%], ANESTHESIOLOGY) (*Corresponding author) - **INFORMATION SCIENCE**
- ✧ **Lin, J.A.**, Borel, C.O., Wang, W.B., Wong, C.S., Yeh, C.C., Yang, C.P., Wu, C.T., 2006. Anesthetic management of an AAI pacemaker patient with paroxysmal atrial fibrillation during colorectal surgery. *J Clin Anesth.* 18, 372-5. (2023 IF: **5.0**, Ranking 6/64 [9.38%], ANESTHESIOLOGY)
- ✧ Huang Y.J.,¹ **Lin, J.A.**,¹ Chen W.M., Shia, B.C., Wu S.Y., 2024 (Accepted). Statin

- Therapy Reduces Radiation-Induced Cardiotoxicity in Patients With Breast Cancer Receiving Adjuvant Radiotherapy. In press. (2023 IF: **5.0**, Ranking 39/220 [17.73%], CARDIAC & CARDIOVASCULAR SYSTEMS) (¹First author)
- ✧ **Lin, J.A.**, Yeh, C.C., Lee, M.S., Wu, C.T., Lin, S.L., Wong, C.S., 2005. Prolonged injection time and light smoking decrease the incidence of fentanyl-induced cough. *Anesth Analg.* 101, 670-4. (2023 IF: 4.6 Ranking 8/64 [12.50%], ANESTHESIOLOGY)
 - ✧ **Lin J.A.**,* Ma D., Wu S.Y., 2022. Editorial: Impact of anesthetics on cancer behavior and outcome. *Front Pharmacol.* 13, 957070. (2023 IF: 4.4, Ranking 65/354 [18.36%], PHARMACOLOGY & PHARMACY) - **INTERNATIONAL COLLABORATION**
 - ✧ **Lin J.A.**, Lin F.Y., Chen T.L., 2015. Bone components downregulate expression of toll-Like receptor 4 on the surface of human monocytic U937 cells: A cell model for postfracture immune dysfunction. *Mediators Inflamm.* 2015, 896576. (2023 IF: 4.4, Ranking 68/181 [37.57 %], IMMUNOLOGY)
 - ✧ **Lin J.A.**, Lin K.H., Hsu A.C., Tai Y.T., 2018. Modified half-the-air technique for continuous pressure monitoring during lumbar plexus block. *Eur J Anaesthesiol.* 35, 803-5. (2023 IF: 4.2, Ranking 9/64 [14.06 %], ANESTHESIOLOGY) - **EDUCATION MATERIAL on TECHNIQUE DEVELOPMENT**
 - ✧ **Lin J.A.**, 2016. Importance of half-the-air pressure test in Shamrock lumbar plexus block. *Eur J Anaesthesiol.* 33, 784. (2023 IF: 4.2, Ranking 9/64 [14.06 %], ANESTHESIOLOGY) - **EDUCATION MATERIAL**
 - ✧ Galluccio F., Perez M.F., Altinpulluk E.Y., Hou J.D., **Lin J.A.**,* 2021. Evaluation of Interfascial Plane and Pericapsular Nerves Blocks to the Shoulder Joint: A Preliminary Analysis of Shoulder Anterior Capsular Block. *Pain Ther.* 10, 1741-54. (2023 IF: 4.1, Ranking 47/277 [16.97 %], CLINICAL NEUROLOGY) (*Corresponding author) - **EDUCATION MATERIAL on TECHNIQUE DEVELOPMENT with INTERNATIONAL COLLABORATION**
 - ✧ Chen K.Y.,¹ **Lin J.A.**,¹ Yao H.Y., Hsu A.C., Tai Y.T., Chen J.T., Hsieh M.C., Shen T.L., Hsu R.Y., Wu H.T., Wang G.H., Ho B.Y., Chen Y.P., 2018. Arctigenin protects against steatosis in WRL68 hepatocytes by activating phosphoinositide 3-kinase/protein kinase B and AMP-activated protein kinase pathways. *Nutr Res.* 52, 87-97. (¹First author) (2023 IF: 3.4, Ranking 44/114 [38.60%], NUTRITION & DIETETICS)
 - ✧ Chan S.M., Wang P.K., **Lin J.A.**,* 2023. Editorial: New Trends in Regional Analgesia and Anesthesia. *Front Med.* 10,1256371 (2023 IF: 3.1, Ranking 56/325 [17.23%], MEDICINE, GENERAL & INTERNAL) (*Corresponding author) - **EDUCATION MATERIAL**
 - ✧ **Lin J.A.**, Hou J.D., Wu S.Y., 2022. Effect of Sarcopenia on Mortality in Type 2 Diabetes: A Long-Term Follow-Up Propensity Score-Matched Diabetes Cohort Study. *J Clin Med.* 11, 4424. (2023 IF: 3.0, Ranking 58/325 [17.85%], MEDICINE,

GENERAL & INTERNAL) - **INFORMATION SCIENCE**

- ✧ **Lin J.A.**, Liao C.C., Chang C.C., Chang H., Chen T.L., 2011. Postoperative adverse outcomes in intellectually disabled surgical patients: a nationwide population-based study. *PLoS ONE*. 6, e26977. (2023 IF: 2.9, Ranking 31/134 [23.13%], MULTIDISCIPLINARY SCIENCES) - **INFORMATION SCIENCE with INTERNATIONAL COLLABORATION**
- ✧ Hsu A.C., Tai Y.T., Lin K.H., Yao H.Y., Chiang H.L., Ho B.Y., Yang S.F., **Lin J.A.**,* Ko C.L., 2019. Infraclavicular brachial plexus block in adults: a comprehensive review based on a unified nomenclature system. *J Anesth*, 33, 463-77. (2023 IF: 2.8, Ranking 17/64 [26.56%], ANESTHESIOLOGY) (*Corresponding author) - **EDUCATION MATERIAL on NOMENCLATURE**
- ✧ **Lin, J.A.**, Tsai, R.Y., Lin, Y.T., Lee, M.S., Cherng, C.H., Wong, C.S., Tzeng, J.I., 2008. Amitriptyline pretreatment preserves the antinociceptive effect of morphine in pertussis toxin-treated rats by lowering CSF excitatory amino acid concentrations and reversing the downregulation of glutamate transporters. *Brain Res*. 1232, 61-9. (2023 IF: 2.7, Ranking 158/310 [50.97%], NEUROSCIENCES)
- ✧ **Lin, J.A.**, Lee, M.S., Wu, C.T., Yeh, C.C., Lin, S.L., Wen, Z.H., Wong, C.S., 2005. Attenuation of morphine tolerance by intrathecal gabapentin is associated with suppression of morphine-evoked excitatory amino acid release in the rat spinal cord. *Brain Res*. 1054, 167-73. (2023 IF: 2.7, Ranking 158/310 [50.97%], NEUROSCIENCES)
- ✧ **Lin J.A.**,* Blanco R., Shibata Y., Nakamoto T., 2017. Advances of Techniques in Deep Regional Blocks. *Biomed Res Int*. 2017, 7268308. (2023 IF: 2.6, Ranking 99/189 [52.38%], MEDICINE, RESEARCH & EXPERIMENTAL) (*Corresponding author) - **EDUCATION MATERIAL with INTERNATIONAL COLLABORATION**
- ✧ Tsai H.C., Yoshida T., Chuang T.Y., Yang S.F., Chang C.C., Yao H.Y., Tai Y.T., **Lin J.A.**,* Chen K.Y.*, 2017. Transversus Abdominis Plane Block: an Updated Review of Anatomy and Techniques. *Biomed Res Int*. 2017, 8284363 (2023 IF: 2.6, Ranking 99/189 [52.38%], MEDICINE, RESEARCH & EXPERIMENTAL) (*Corresponding author) - **EDUCATION MATERIAL on NOMENCLATURE with INTERNATIONAL COLLABORATION**
- ✧ **Lin, J.A.**, Chen, F.C., Lee, M.S., Horng, H.C., Cherng, C.H., Yeh, C.C., Wong, C.S., 2007. Intravenous dexamethasone pretreatment reduces fentanyl-induced cough. *J Formos Med Assoc*. 106, 649-55. (2023 IF: 2.6, Ranking 70/325 [21.54%], MEDICINE, GENERAL & INTERNAL)
- ✧ Hsieh, W.-H., Wu, S.-Y., Ho B.-Y., Chen K.-Y., Tai, Y.T., Fang, H.-W., Liao, S.-W., Fang, C.-Y., Chan, S.-M., Chen, S.-Y., Jou, J.-D., **Lin, J.-A.**,* 2023. Lidocaine induces epithelial-mesenchymal transition and aggravates cancer behaviors in non-small cell lung cancer A549 cells. *Oncol Lett*. 26, 346 (2023 IF: 2.5, Ranking 183/322 [56.83%], ONCOLOGY) (*Corresponding author)

- ✧ Fathil S.M., Ghani M.R.A., Chen K.-Y., Lee P., Hou J.-D., **Lin J.-A.**, 2021. Physical Ergonomics in Peripheral Nerve Block. *Appl Sci* 2021, 11, 9736. <https://doi.org/10.3390/app11209736>. (2023 IF: 2.5, Ranking 44/179 [24.58%], ENGINEERING, MULTIDISCIPLINARY) - **EDUCATION MATERIAL on ERGONOMIC PRACTICE with INTERNATIONAL COLLABORATION**
- ✧ **Lin J.A.**, Fang S.U., Su C.L., Hsiao C.J., Chang C.C., Lin Y.F., Cheng C.W., 2014. Silencing glucose-regulated protein 78 induced renal cell carcinoma cell line G1 cell-cycle arrest and resistance to conventional chemotherapy. *Urol Oncol.* 32, 29.e1-11. (2023 IF: 2.4, Ranking 48/126 [38.10 %], UROLOGY & NEPHROLOGY)
- ✧ Chung, W.-C., Kuo, Y.-J., Chan, S.-M., Hou, J.-D., Lin, T.-H., **Lin, J.A.*** 2023. Onset Time of Lumbar Erector Spinae Plane Block Compared with Its Thoracic Counterpart: Case Reports. *Healthcare (Basel)*. 11, 1158. (2023 IF: 2.4, Ranking 49/118 [41.53%], HEALTH POLICY & SERVICES) (*Corresponding author)
- ✧ Fan Chiang Y.H., Wang M.T., Chan S.M., Chen S.Y., Wang M.L., Ho J.D., Tsai H.C., **Lin J.A.*** 2022. Motor-Sparing Effect of Adductor Canal Block for Knee Analgesia: An Updated Review and a Subgroup Analysis of Randomized Controlled Trials Based on a Corrected Classification System. *Healthcare (Basel)*. 11, 210. (2023 IF: 2.4, Ranking 49/118 [41.53%], HEALTH POLICY & SERVICES) (*Corresponding author) - **EDUCATION MATERIAL on NOMENCLATURE**
- ✧ Yeoh S.R., Chou Y., Yang J.H., Chuang C.W., Chan S.M., Chen S.Y., Hou J.D., **Lin J.A.*** 2022. Parameters of Iliopsoas Plane Immediately Caudal to the Indirect Tendon of Rectus Femoris in Axial Plane Measured on Magnetic Resonance Images in an Adult Eastern Asian Population. *Healthcare (Basel)*. 11, 69. (2023 IF: 2.4, Ranking 49/118 [41.53%], HEALTH POLICY & SERVICES) (*Corresponding author) - **EDUCATION MATERIAL on TECHNIQUE DEVELOPMENT**
- ✧ Lee C.C.M., Lua C.B., Peng K., Beh Z.Y., Fathil S.M., Hou J.D., **Lin J.A.*** 2022. Regional Anesthetic and Analgesic Techniques for Clavicle Fractures and Clavicle Surgeries: Part 2-A Retrospective Study. *Healthcare (Basel)*. 10,1987. (2023 IF: 2.4, Ranking 49/118 [41.53%], HEALTH POLICY & SERVICES) (*Corresponding author) - **INTERNATIONAL COLLABORATION**
- ✧ Vega Colón M., López González J.M., Jiménez Gómez B.M., Pico Veloso J., Fernández Mendez M., Fernández Suárez F.E., Del Castro Madrazo J.A., Álvarez Marcos F., Fajardo Pérez M., **Lin J.A.*** Galluccio F., Hou J.D., Chan S.M. 2022. Prospective Observational Study after Eversion Carotid Endarterectomy with Ultrasound-Guided Deep-Intermediate Cervical Plexus Blockade. *Healthcare (Basel)*. 10,1986. (2023 IF: 2.4, Ranking 49/118 [41.53%], HEALTH POLICY & SERVICES) (*Corresponding author) - **EDUCATION MATERIAL on TECHNIQUE DEVELOPMENT with INTERNATIONAL COLLABORATION**
- ✧ Elsayy A.G.S., Ameer A.H, Gazar Y.A., Allam A.E.S., Chan S.M., Chen S.Y., Hou J.D., Tai Y.T., **Lin J.A.*** Galluccio F., Nada D.W., Esmat A. 2022. Efficacy of

Ultrasound-Guided Injection of Botulinum Toxin, Ozone, and Lidocaine in Piriformis Syndrome. *Healthcare (Basel)*. 11, 95. (2023 IF: 2.4, Ranking 49/118 [41.53%], HEALTH POLICY & SERVICES) (*Corresponding author) - **INTERNATIONAL COLLABORATION**

- ✧ Yeoh S.R., Chou Y., Chan S.M., Hou J.D., **Lin J.A.*** 2022. Correction: Yeoh et al. Pericapsular Nerve Group Block and Iliopsoas Plane Block: A Scoping Review of Quadriceps Weakness after Two Proclaimed Motor-Sparing Hip Blocks. *Healthcare* 2022, 10, 1804. *Healthcare (Basel)*. 10, 1565. (2023 IF: 2.4, Ranking 49/118 [41.53%], HEALTH POLICY & SERVICES) (*Corresponding author) - **EDUCATION MATERIAL on NOMENCLATURE**
- ✧ Yeoh S.R., Chou Y., Chan S.M., Hou J.D., **Lin J.A.*** 2022. Pericapsular Nerve Group Block and Iliopsoas Plane Block: A Scoping Review of Quadriceps Weakness after Two Proclaimed Motor-Sparing Hip Blocks. *Healthcare (Basel)*. 10, 1565. (2023 IF: 2.4, Ranking 49/118 [41.53%], HEALTH POLICY & SERVICES) (*Corresponding author) - **EDUCATION MATERIAL on NOMENCLATURE**
- ✧ Lee C.C.M., Beh Z.Y., Lua C.B., Peng K., Fathil S.M., Hou J.D., **Lin J.A.*** 2022. Regional Anesthetic and Analgesic Techniques for Clavicle Fractures and Clavicle Surgeries: Part 1-A Scoping Review. *Healthcare (Basel)*. 10, 1487. (2023 IF: 2.4, Ranking 49/118 [41.53%], HEALTH POLICY & SERVICES) (*Corresponding author) - **EDUCATION MATERIAL on NOMENCLATURE with INTERNATIONAL COLLABORATION**
- ✧ Almutairi N.M., Hilal F.M., Bashawyah A., Dammas F.A., Yamak Altinpulluk E., Hou J.D., **Lin J.A.*** Varrassi G., Chang K.V., Allam A.E., 2022. Efficacy of Acupuncture, Intravenous Lidocaine, and Diet in the Management of Patients with Fibromyalgia: A Systematic Review and Network Meta-Analysis. *Healthcare (Basel)*. 10, 1176. (2023 IF: 2.4, Ranking 49/118 [41.53%], HEALTH POLICY & SERVICES) (*Corresponding author) - **INTERNATIONAL COLLABORATION**
- ✧ Ng T.K., **Lin J.A.*** Sasaki S., 2022. A Preliminary Analysis of a Modified Anterior Approach to Hip Pericapsular Neurolysis for Inoperable Hip Fracture Using the IDEAL Framework. *Healthcare (Basel)*. 10, 1002. (2023 IF: 2.4, Ranking 49/118 [41.53%], HEALTH POLICY & SERVICES) (*Corresponding author) - **EDUCATION MATERIAL on TECHNIQUE DEVELOPMENT with INTERNATIONAL COLLABORATION**
- ✧ Álvarez, L.B., González, J.M.L., Miramontes, G.I, Gómez, B.M.J., Colon, M.V., Aguirre, A.W., Reza, P.C., Álvarez, S.L., Liao, S.W., Ho, B.Y., Yang, M.T., Hou, J.D., Liu, C.C., Wu, I.C., **Lin, J.A.*** Gallucio, F. 2024. Pericapsular Nervous Group Block versus Suprainguinal Fascia Iliaca Block Using the Same Injection Volume in Primary HIP Arthroplasty Prospective Observational Study. *Int J Clin Pract*. 2024,1-8 (2023 IF: 2.2, Ranking 92/325 [28.31%], MEDICINE, GENERAL & INTERNAL) (*Corresponding author)
- ✧ Liu Y.T., Cheng S.W., Hou J.D., Tsuo H.C., **Lin J.A.*** 2021. Anterior scalene plane

block at the superior trunk level relieves referred shoulder pain after liver radiofrequency ablation: a technical report. *Braz J Anesthesiol.* 71, 466-8. (2023 IF: 1.7, Ranking 29/64 [45.31%], ANESTHESIOLOGY) (*Corresponding author) -

EDUCATION MATERIAL on TECHNIQUE DEVELOPMENT

- ✧ **Lin J.A.**, Wong C.S., Lee M.S., Ko S.C., Chan S.M., Chen J.Y., Chen T.L., 2010. Successful treatment of primary dysmenorrhea by collateral meridian acupuncture therapy. *J Manipulative Physiol Ther.* 33, 70-5. (2023 IF: 1.2, Ranking 28/43 [65.12%], INTEGRATIVE & COMPLEMENTARY MEDICINE) -
INTERNATIONAL COLLABORATION

PROJECTS

Only those supported by **National Grants or University Grants** with Dr. Lin as the **Principal Investigator** are listed.

- ✧ Impact of virtual reality anatomy training on the ability of anesthesiologists to apply point-of-care cardiac ultrasound for elderly hip fracture patients: innovation of ultrasound teaching in response to COVID-19 (111-2410-H-040-017-)
 - ✓ Ministry of Science and Technology
 - ✓ 2022/08/01~2024/12/31
 - ✓ Amount 594,000
- ✧ Impact of virtual reality anatomy training on ultrasound peripheral nerve tracking ability: innovation of ultrasound-guided regional anesthesia teaching in response to COVID-19 (MOST 110-2511-H-038-007 -)
 - ✓ Ministry of Science and Technology
 - ✓ 2021/08/01-2022/07/31
 - ✓ Amount 766,000
- ✧ Exploration of cognitive perception of professional identity formation of medical, nursing students and clinical teachers (CSH-2023- C - 037)
 - ✓ Chung Shan Medical University Hospital
 - ✓ 2023/01/01~2023/12/31
 - ✓ Amount 450,000
- ✧ Investigation of the biphasic effect of lidocaine on colon cancer behavior (CSH-2023- C - 017)
 - ✓ Chung Shan Medical University Hospital
 - ✓ 2023/01/01~2023/12/31
 - ✓ Amount 499,608
- ✧ Investigating the perioperative events associated with the outcomes of HIPEC in gastric cancer peritoneal metastasis (DP2-109-21121-03-C-01-04)

- ✓ Ministry of Education
- ✓ 2021/01/01-2022/12/31
- ✓ Amount 1000,000

- ✧ Effect of clinically applicable lidocaine concentration on colon cancer migration: Viewpoint of epithelial-to-mesenchymal transition (MOST 109-2314-B-038-048-)
 - ✓ Ministry of Science and Technology
 - ✓ 2020/08/01-2021/07/31
 - ✓ Amount 1,084,000

- ✧ Effects of clinically applicable lidocaine concentration on cancer treatment: auxiliary impact during hyperthermia/chemotherapy and perioperative application (MOST 108-2314-B-038-066-)
 - ✓ Ministry of Science and Technology
 - ✓ 2019/08/01-2020/07/31
 - ✓ Amount 1,100,000

- ✧ Impacts of artificial intelligence and wearable devices on improving care quality for high-risk patients after transferring out of the post-anesthesia care unit or intensive care units (DP2-108-21121-01-A-03-02) (107-5422-006-111_15535957491490001)
 - ✓ Ministry of Education
 - ✓ 2019/01/01-2019/12/31
 - ✓ Amount 500,000

- ✧ Effect of lidocaine on lung cancer metastasis during chemotherapy and mechanism investigation (108CM-TMU-13)
 - ✓ Taipei Medical University/Chi Mei Medical Center
 - ✓ 2018/01/01-2018/12/31
 - ✓ Amount 500,000

- ✧ Effect of anesthesia on lung cancer behavior : from bench to bedside (MOST 106-2314-B-038-044-)
 - ✓ Ministry of Science and Technology
 - ✓ 2017/08/01-2018/07/31
 - ✓ Amount 1,262,000

- ✧ Investigation of the mechanism of post-fracture immune dysfunction and the role of statin in its prevention and treatment strategy: from bench to bedside (MOST 104-2314-B-038 -016 -MY2) (2/2)
 - ✓ Ministry of Science and Technology
 - ✓ 2016/08/01 ~ 2017/07/31

- ✓ Amount 1,050,000
- ✧ Investigation of the mechanism of post-fracture immune dysfunction and the role of statin in its prevention and treatment strategy: from bench to bedside (MOST 104-2314-B-038 -016 -MY2) (1/2)
 - ✓ Ministry of Science and Technology
 - ✓ 2015/08/01 ~ 2016/07/31
 - ✓ Amount 1,050,000
- ✧ Evaluation of the mechanism of post-traumatic immunosuppression: the role of TLR4 trafficking and microRNA (MOST 103-2314-B-038-036-)
 - ✓ Ministry of Science and Technology
 - ✓ 2014/08/01 ~ 2015/07/31
 - ✓ Amount 1,105,000
- ✧ Investigation of the impact of temperature alteration on post-traumatic immunosuppression by expression of toll-like receptor 4 on monocytes: the roles and interactions of RNA-binding proteins and microRNAs (NSC101-2314-B-038-009-)
 - ✓ National Science Council
 - ✓ 2012/08/01 ~ 2013/07/31
 - ✓ Amount 940,000
- ✧ Inflammatory impact on the pathogenesis of morphine tolerance: relationship between cytokine/chemokine, microglial cell and cytoskeleton (NSC99-2314-B-038-005-MY2) (2/2)
 - ✓ Ministry of Science and Technology
 - ✓ 2011/08/01 ~ 2012/07/31
 - ✓ Amount 1,020,000
- ✧ Inflammatory impact on the pathogenesis of morphine tolerance: relationship between cytokine/chemokine, microglial cell and cytoskeleton (NSC99-2314-B-038-005-MY2) (1/2)
 - ✓ Ministry of Science and Technology
 - ✓ 2010/08/01 ~ 2011/07/31
 - ✓ Amount 1,020,000
- ✧ The neuro-modulatory effects of curcumin on morphine tolerance (NSC98-2314-B-038 -028 -)
 - ✓ Ministry of Science and Technology
 - ✓ 2009/08/01 ~ 2010/07/31
 - ✓ Amount 1,120,000