Curriculum Vitae of Applicant（履歷）

Brief Bio

Dr. I-Cheng Lu is the associated professor of anesthesiology at the College of Medicine, Kaohsiung Medical University, Kaohsiung, Taiwan. Dr. Lu obtained his MD, MSc, and Ph.D. degree from Kaohsiung Medical University. Dr. Lu has been experiencing anesthesia for intraoperative RLN monitoring from 2005. His interests include cardiac anesthesia, intraoperative neural monitoring (IONM) during thyroid surgery; multimodal analgesia and enhanced recovery after surgery. He has focused his clinical research on the airway management and anesthesia regimen for intraoperative RLN monitoring. He also developed an experimental porcine model for trouble-shooting and novel applications of neural monitoring during thyroid and parathyroid surgeries.

1. Work address, telephone, mobile phone & email
   Anesthesiology Dept, Faculty of Medicine, College of Medicine, Kaohsiung Medical University
   No 100, Tz-You 1st RD, Kaohsiung City, 807 TW, Taiwan, ROC
   07-3121101-7035
   u9251112@gmail.com,

2. Title and Affiliation
   Anesthesiology Dept, Faculty of Medicine, College of Medicine, Kaohsiung Medical University
   Director, Division of cardiothoracic anesthesia, Department of Anesthesiology, Kaohsiung Medical University Hospital, Kaohsiung, Taiwan 2023~present

3. Education
   M.D., School of Medicine, Kaohsiung Medical University, Kaohsiung, Taiwan. 1993-2000
   M.S., Graduate Institute of Medicine, College of Medicine, Kaohsiung Medical University, Kaohsiung, Taiwan 2003-2004
   Ph.D., Graduate Institute of Medicine, College of Medicine, Kaohsiung Medical University, Kaohsiung, Taiwan 2009-2016

4. Academic & Professional Appointments（學術經歷）
   Resident, Department of Anesthesiology, Kaohsiung Medical University, Hospital, Kaohsiung, Taiwan 2000-2004
   Visiting staff, Department of Anesthesiology, Kaohsiung Medical University Hospital, Kaohsiung, Taiwan 2004~2011
   Director, Department of Anesthesiology, Kaohsiung Municipal Ta-Tung Hospital, Kaohsiung, Taiwan 2011~2014

Director, Department of Anesthesiology, Kaohsiung Municipal Siaogang Hospital, Kaohsiung, Taiwan 2014~2023
Director, Division of cardiothoracic anesthesia, Department of Anesthesiology, Kaohsiung Medical University Hospital, Kaohsiung, Taiwan 2023~now
Associate professor, Faculty of Medicine, College of Medicine, Kaohsiung Medical University, Kaohsiung, Taiwan 2019~present

5. Memberships（Board Certificates）, Awards & Honors（資格、獎項及榮譽）
Taiwan Society of Anesthesiologists, Board Certification number：0720, 2004
Taiwan Pain Society, Board Certification number：0457, 2005
Chinese Medical Association of Acupuncture, Board Certification number：0112, 2002
Taiwan Society of Cardiothoracic and Vascular Anesthesia, Board Certification number：0245, 2016

6. Major Publications

1. Multimodal Analgesia with Local Wound Infiltration and Intravenous Parecoxib for Thyroidectomy. Gau TP, Wu SH, Huang JM, Lu WL, Huang TY, Lu IC, Wu CW. Medicina (Kaunas). 2023 Apr 28;59(5):855. doi:

   10.3390/medicina59050855. 本人為通訊作者 (IF:2.6)

2. Optimization of Intraoperative Neural Monitoring of the Recurrent Laryngeal Nerve in Thyroid Surgery. Hsieh CY, Tan H, Huang HF, Huang TY, Wu CW, Chang PY, Lu DV, Lu IC. Medicina (Kaunas). 2022 Mar 30;58(4):495. doi:

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3. A comparison between cisatracurium and rocuronium-induced neuromuscular block on laryngeal electromyography recovery after neostigmine reversal in a porcine model. Lu IC, Tan H, Wu SH, et al. *Front Endocrinol (Lausanne)*. 2022;13:875597. (MOST 109-2314-B-037-059, MOST 110-2314-B-037-104 -

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4. A novel use of neostigmine reversal for intraoperative neural monitoring during thyroid surgery. Chen PN, Huang HF, Li TY, Lu IC. Kaohsiung J Med Sci.

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   (IF:2.744, rank:93/140)

5. Accumulation of Experience and Newly Developed Devices Can Improve the Safety and Voice Outcome of Total Thyroidectomy for Graves' Disease. Chuang CH, Huang TY, Hwang TZ, Wu CW, Lu IC, Chang PY, Lin YC, Wang LF, Wang CC, Lien CF, Dionigi G, Tai CF, Chiang FY. J Clin Med. 2022 Feb 27;11(5):1298. doi: 10.3390/jcm11051298.
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7. Improving Voice Outcomes After Thyroid Surgery - Review of Safety Parameters for Using Energy-Based Devices Near the Recurrent Laryngeal Nerve. Wang JJ, Huang TY, Wu CW, Lin YC, Tseng HY, Liu CH, Lu IC, Chang

PY, Chen HC, Chen HY, Dionigi G, Chiang FY, Wang LF. Front Endocrinol (Lausanne). 2021 Nov 24;12:793431. doi: 10.3389/fendo.2021.793431. eCollection 2021.

8. Optimization of electromyographic endotracheal tube electrode position by UEScope for monitored thyroidectomy. Huang JM, Hsu CD, Wu SH, Kuo YW, Huang TY, Wu CW, Lu IC. Laryngoscope Investig Otolaryngol. 2021 Aug 11;6(5):1214-1219. doi: 10.1002/lio2.635. (MOST 109-2314-B-037-059) 本人為通訊作者
9. Erector Spinae Plane Block Enhances Multimodal Analgesia for Laparoscopic Cholecystectomy. Tan H, Huang HF, Lu IC. J Invest Surg. 2021 Jul 2:1-2. doi: 10.1080/08941939.2021.1943573. Online ahead of print. (H-109-001)
10. Comparison of Surgical Complications Rates Between LigaSure Small Jaw and Clamp-and-Tie Hemostatic Technique in 1,000 Neuro-Monitored Thyroidectomies. Liu CH, Wang CC, Wu CW, Lin YC, Lu IC, Chang PY, Lien CF, Wang CC, Hwang TZ, Huang TY, Chiang FY. Front Endocrinol (Lausanne) 2021 Apr 7;12:638608. doi: 10.3389/fendo.2021.638608. eCollection 2021.
11. Full percutaneous intraoperative neuromonitoring technique in remote thyroid surgery: Porcine model feasibility study. Huang TY, Lin YC, Tseng HY, Kim HY, Dionigi G, Lu IC, Chang PY, Chiang FY, Wu CW. Head Neck. 2020 Oct 7. doi: 10.1002/hed.26500. (MOST 108-2628-B-037-006, MOST 109-2628-B-037-014)
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13. Combination Preemptive Peripheral Nerve Block in Limb Surgery. A Prospective Study. Lu IC, Huang SH, Lu DV, Hsu CD, Wu SH. Medicina (Kaunas). 2020 Aug 3;56(8):388. doi: 10.3390/medicina56080388. (MOST 108-2314-B-037-043) 本人為第一作者
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16. Neuromuscular blockade management for intraoperative neural monitoring. Lu IC, Wu SH, Wu CW. Kaohsiung J Med Sci. 2020 Apr;36(4):230-235. doi: 10.1002/kjm2.12153. 本人為第一作者
17. Trans-thyroid cartilage recording for neural monitoring of the recurrent laryngeal nerve in thyroid surgery. Chiang FY, Wu CW, Chang PY, Wu SH, Chen HY, Lin YC, Huang TY, Zesendavaa E, Lu IC*. Laryngoscope. 2020 Apr;130(4):E280-E283. doi: 10.1002/lary.28049. (MOST 107-2314-B-037-113). 本人為通訊作者
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45. Intraoperative neuromonitoring for the early detection and prevention of RLN traction injury in thyroid surgery: a porcine model. Wu CW, Dionigi G, Sun H, Liu X, Kim HY, Hsiao PJ, Tsai KB, Chen HC, Chen HY, Chang PY, Lu IC*, Chiang FY. Surgery. 2014 Feb;155(2):329-39. doi: 10.1016/j.surg.2013.08.015. (IF:3.380; ranking: 23/198)
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