## 個人檔案

**Name：陳永哲 / Yung-Che Chen**

**Sex：Male**男性

**Language：**Chinese中文、Taiwanese台語、English英文

**Education：**（Date, Name of Medical or Dental School, Location）

1989.09-1996.05 Doctor of Medicine, Kaohsiung Medical University Hospital

高雄醫學大學醫學系學士

**Post-Graduate Education：**（Date, Department, Graduate School, Location, Degree—M.S.or M.A. or Ph.D）

2009.09-2015.06 Doctor of Philosophy, Graduate Institute of Clinical Medical Sciences, Chang Gung University College of Medicine, Taiwan

長庚大學臨床醫學研究所理學博士

**Academic Appointment**（lnclude Teaching Experience）：（As Above）

2014.02- 2021.01 Assistant Professor at Department of Medicine, Chang Gung University

長庚大學醫學系兼任助理教授

2016.02- Now Physician Scientist 醫師科學家

2016.08- Now Associate Professor at Kaohsiung Chang Gung Memorial Hospital

高雄長庚醫院副教授

2021.02-Now Associate Professor at Department of Medicine, Chang Gung University

長庚大學醫學系兼任副教授

**Employment Record：**（Date,Title, Department, Name of Hospital of Institutions, Location）

1998.07- 2001.06 Resident, Department of Internal Medicine, Kaohsiung Chang Gung Memorial Hospital (KCGMH)

高雄長庚醫院內科住院醫師

2001.07- 2003.06 Clinical Fellow, Division of Pulmonary and Critical Care Medicine, KCGMH

高雄長庚醫院胸腔內科總醫師

2003.07- Now Attending Physician, Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, KCGMH

高雄長庚醫院胸腔內科主治醫師

**Board Certification：**（Date,Name of the Board）

**Licensers：**1. Chinese License

內科醫學會專科醫師證書 Internal Medicine Specialist

台灣胸腔暨重症醫學會專科醫師證書 Pulmonologist

中華民國超音波醫學會專科醫師證書 Medical Ultrasound

台灣睡眠醫學會專科醫師證書 Sleep Medicine Specialist

家庭醫學會戒菸證書 Quit Smoking

台灣醫學教育學會一般醫學臨床教師資格 Clinical Instructor

客觀結構式臨床技能測驗(OSCE)考官資格 Examiner

**Professional Affiliations：**（Medical Organizations or Societies）

The Society of Internal Medicine, ROC.

The Taiwan Thoracic Society, ROC.

The Taiwan Sleep Medicine Society, ROC.

The Society of Ultrasound in Medicine of the ROC.

American Thoracic Society member

European Respiratory Society member

**Professional Activities：**（Include Administrative Experience, Committee Membership, editorial Boards of Journals,…….. etc.）

2010-now 高雄長庚 結核病例管控委員會

2011-now 高雄長庚 病歷管理委員會

2012-now Reviewer at the following journals: Disease Marker, Respirology, International Journal of Tuberculosis and Lung Disease, PLoS ONE, Sleep and Breathing,---

**Research Interest：**translation research onobstructive sleep apnea阻塞性睡眠呼吸中止, pulmonary tuberculosis 肺結核, chronic obstructive pulmonary disease 肺阻塞, lung cancer 肺癌

**Research Project:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 研究計劃編號 | 機構別 | 擔任角色 | 計劃名稱 | 開始日期 | 結束日期 | 狀態 |
| [CMRPG8I0151](http://lnkwww.cgmh.org.tw/intr/c01s00/menu1/MRPB.ASP?MRPNO=CMRPG8I0151) | G | 主持人 | 探討微小核醣核酸及其基因啟動子去氧核醣核酸甲基化異常在活動性肺結核病和潛伏性結核感染所扮演的角色(1/2) | 2019/1/1 | 2019/12/31 | 已結案 |
| [CMRPG8I0152](http://lnkwww.cgmh.org.tw/intr/c01s00/menu1/MRPB.ASP?MRPNO=CMRPG8I0152) | G | 主持人 | 探討微小核醣核酸及其基因啟動子去氧核醣核酸甲基化異常在活動性肺結核病和潛伏性結核感染所扮演的角色(2/2) | 2020/1/1 | 2020/12/31 | 已結案 |
| [CMRPG8J1401](http://lnkwww.cgmh.org.tw/intr/c01s00/menu1/MRPB.ASP?MRPNO=CMRPG8J1401) | G | 主持人 | (國)探討甲？？受器之表徵基因學調控在活動性肺結核病和潛伏性結核感染的病程上所扮演的角色 | 2020/1/1 | 2021/6/30 | 已結案 |
| [CMRPG8L0311](http://lnkwww.cgmh.org.tw/intr/c01s00/menu1/MRPB.ASP?MRPNO=CMRPG8L0311) | G | 主持人 | 探討長/小非編碼核醣核酸和去氧核醣核酸甲基化所介導的抗原呈遞途徑激活的調控在活動性和潛伏性結核病人的角色 | 2021/7/1 | 2022/9/30 | 已結案 |
| [NMRPG8H0241](http://lnkwww.cgmh.org.tw/intr/c01s00/menu1/MRPB.ASP?MRPNO=NMRPG8H0241)  107-2314-B-182A-147- | G | 主持人 | 探討甲??受器及其表徵基因學標誌在活動性肺結核病和潛伏性結核感染的角色 | 2018/8/1 | 2019/7/31 | 已結案 |
| [NMRPG8K0081](http://lnkwww.cgmh.org.tw/intr/c01s00/menu1/MRPB.ASP?MRPNO=NMRPG8K0081)  109-2314-B-182A-115- | G | 主持人 | 探討細胞自噬作用相關基因的表觀遺傳調控在潛伏結核菌感染和活動性結核病所扮演的角色 | 2020/8/1 | 2021/7/31 | 已結案 |
| CMRPG8M0631 |  | 主持人 | (科)探討非記錄型核醣核酸和組蛋白修飾所調控的細胞自噬功能不良在潛伏性結核菌感染和活動性結核病所扮演的角色 | 2022/1/1 | 2022/12/31 | 執行中 |
| CMRPG8M1191 |  | 主持人 | 運用全基因體次世代定序探討長非編碼核醣核酸和其去氧核醣核酸甲基化所介導的免疫反應在氣喘和慢性阻塞性肺病重疊症所扮演的角色(1/3) | 2022/10/1 | 2023/9/30 | 執行中 |
| [CMRPG8G0282](http://lnkwww.cgmh.org.tw/intr/c01s00/menu1/MRPB.ASP?MRPNO=CMRPG8G0282) | G | 共同主持人 | 探討表徵遺傳學所調控的細胞自噬作用失調在阻塞性睡眠呼吸中止症扮演的角色(2/2) | 2018/7/1 | 2019/6/30 | 已結案 |
| [CMRPG8J0581](http://lnkwww.cgmh.org.tw/intr/c01s00/menu1/MRPB.ASP?MRPNO=CMRPG8J0581) | G | 共同主持人 | 探討氧化還原脢-第一型缺氧誘發因子-內皮素之訊息傳導途徑及其表觀基因調控在 阻塞性睡眠呼吸中止症所扮演的角色(1/3) | 2019/7/1 | 2022/6/30 | 執行中 |
| [CMRPG8J0201](http://lnkwww.cgmh.org.tw/intr/c01s00/menu1/MRPB.ASP?MRPNO=CMRPG8J0201) | G | 共同主持人 | (整合型)探討外吐小體在阻塞性睡眠呼吸中止症扮演之角色:子計劃一:探討外吐小體如何調控阻塞性睡眠呼吸中止症之間歇性缺氧微環境及藥物開發研究(1/3) | 2019/5/1 | 2022/4/30 | 執行中 |
| [NMRPG8F6073](http://lnkwww.cgmh.org.tw/intr/c01s00/menu1/MRPB.ASP?MRPNO=NMRPG8F6073)  105-2314-B-182A-092-MY3 | G | 共同主持人 | 探討全基因體微小核醣核酸定序及組蛋白修飾,與阻塞性睡眠呼吸中止症病人血管內皮、代謝、和認知功能失調的相關性研究(3/3) | 2018/8/1 | 2019/7/31 | 已結案 |
| [NMRPG8J6133](http://lnkwww.cgmh.org.tw/intr/c01s00/menu1/MRPB.ASP?MRPNO=NMRPG8J6133)  108-2314-B-182A-129-MY3 | G | 共同主持人 | 探討細胞自噬作用相關基因的微小核醣核酸和去氧核醣核酸甲基化調控在阻塞性睡眠呼吸中止症所扮演的角色(3/3) | 2019/8/1 | 2022/7/31 | 已結案 |

**Bibliography：**

**(1).Publications 論文：**（Please List In Bibliographical Form-Local Publication and International Publication, First Author and co-author）

1. Liaw MY, Wang YH, Tsai YC, Huang KT, Chang PW, Chen YC, Lin MC. Inspiratory muscle training in bronchiectasis patients: a prospective randomized controlled study. Clin Rehabil. 2011 Jun;25(6):524-36. (SCI: IF=2.403; Rehabilitation 10/65=15.38%)
2. Hu HC, Wang TY, Chen YC, Wang CC, Lin MC. RNA interference inhibits high mobility group box 1 by lipopolysaccharide-activated murine macrophage RAW 264.7 secretion. J Surg Res. 2011 Jun 15;168(2):e181-7. (SCI: IF=2.198; Surgery 61/200=30%)
3. Lin HC, Friedman M, Chang HW, Shao CH, Pulver TM, Chen YC. Effects of obstructive sleep apnea surgery on middle ear function. Arch Otolaryngol Head Neck Surg. 2011 Apr;137(4):373-6. (SCI: IF=2.705; Otorhinolaryngology 4/43=9.3%)
4. Liu SF, Wang CC, Chin CH, Chen YC, Lin MC. High value of combined serum C-reactive protein and BODE score for mortality prediction in patients with stable COPD. Arch Bronconeumol. 2011 Sep; 47(9):427-32. (IF 1.771; Respiratory 41/58=70.68%)
5. Chen YC, Chin CH, Liu SF, Wu CC, Tsen CC, Wang YH, Chao TY, Lie CH, Chen CJ, Wang CC, Lin MC. Prognostic values of serum IP-10 and IL-17 in patients with pulmonary tuberculosis. Dis Markers. 2011 Jan 1; 31(2):101-10. (IF 2.137; PATHOLOGY 30/79=37.97%)
6. Chang HC, Chen YC, Lin MC, Liu SF, Chung YH, Su MC, Fang WF, Tseng CC, Lie CH, Huang KT,Wang CC. Mortality risk factors in patients with Acinetobacter baumannii ventilator associated pneumonia. J Formos Med Assoc. 2011;110(9):564-71. (IF 1.968; MEDICINE, GENERAL & INTERNAL 46/155=29.67%)
7. Tseng CC, Huang KT, Chen YC, Wang CC, Liu SF, Tu ML, Chung YH, Fang WF, Lin MC. Factors predicting ventilator dependence in patients with ventilator-associated pneumonia. Scientific World Journal. 2012;2012:547241.
8. Tu ML, Tseng CW, Tsai YC, Lin MC, Fang WF, Chen YC, Liu SF. Reinstitution of Mechanical Ventilation within 14 Days as a Poor Predictor in Prolonged Mechanical Ventilation Patients following Successful Weaning. Scientific World Journal. 2012;2012:957126.
9. Chang HC, Lin MC, Liu SF, Su MC, Fang WF, Chen YC, Tseng CC, Lai CH, Huang KT, Wang CC. The clinical differences between dengue and scrub typhus with acute respiratory failure in southern Taiwan. Infection. 2012 Aug;40(4):359-65. doi: 10.1007/s15010-011-0239-9. Epub 2012 Jan 12. (IF2.294; INFECTIOUS DISEASES 45/83=54.21%)
10. Su MC, Chen YC, Huang KT, Wang CC, Lin MC, Lin HC. Association of metabolic factors with high-sensitivity C-reactive protein in patients with sleep-disordered breathing. Eur Arch Otorhinolaryngol. 2013 Feb; 270(2):749-54. (IF1.627; Otorhinolarynology 18/43=41.86%)
11. Chen YC, Hsiao CC, Chen KD, Hung YC, Wu CY, Lie CH, Liu SF, Sung MT, Chen CJ, Wang TY, Chang JC, Tang P, Fang WF, Wang YH, Chung YH, Chao TY, Leung SY, Su MC, Wang CC, Lin MC. Peripheral immune cell gene expression changes in advanced non-small cell lung cancer patients treated with first line combination chemotherapy. PLoS One. 2013; 8(2):e57053. doi: 10.1371/journal.pone.0057053 (IF 3.057; Multidisciplinary 11/63=17.46%)
12. Lai CC, Friedman M, Lin HC, Wang PC, Hsu CM, Yalamanchali S, Lin MC, Chen YC. Objective versus subjective measurements of palatine tonsil size in adult patients with obstructive sleep apnea/hypopnea syndrome. Eur Arch Otorhinolaryngol. 2014 Aug; 271(8):2305-10. (IF1.627; Otorhinolarynology 18/43=41.86%)
13. Huang KT, Chin CH, Tseng CC, Chang HC, Chen YC, Wang CC, Lin MC, Lin HC, Su MC. The influence of obesity on different genders in patients with obstructive sleep apnea. Scientific World Journal. 2014;2014:487215. doi: 10.1155/2014/487215.
14. Chen YC, Hsiao CC, Chen CJ, Chao TY, Leung SY, Liu SF, Wang CC, Wang TY, Chang JC, Wu CC, Lin AS, Wang YH, Lin MC. Aberrant Toll-like receptor 2 promoter methylation in blood cells from patients with pulmonary TB. J Infect. 2014; 69: 546-557. (IF 4.382; Infectious 13/83=15.66%)
15. Chen YC, Su MC, Liou CW, Liu SF, Chen CJ, Lin HC, Hsiao CC, Wang TY, Wang CC, Chin CH, Huang KT, Lin AS, Lin MC. Co-upregulation of Toll-like receptors 2 and 6 on peripheral blood cells in patients with obstructive sleep apnea. Sleep Breath. 2015;19(3):873-82. (IF 2.332; CLINICAL NEUROLOGY 95/193=49.22)
16. Liu SF, Kuo HC, Tseng CW, Huang HT, Chen YC, Tseng CC, Lin MC. Leukocyte Mitochondrial DNA Copy Number Is Associated with Chronic Obstructive Pulmonary Disease. PLoS One. 2015 Sep 22;10(9):e0138716. (IF 3.057; Multidisciplinary 11/62=18%)
17. Chen YC, Chen TW, Su MC, Chen CJ, Chen KD, Liou CW, Tang P, Wang TY, Chang JC, Wang CC, Lin HC, Chin CH, Huang KT, Lin MC, Hsiao CC. Whole Genome DNA Methylation Analysis of Obstructive Sleep Apnea: IL1R2, NPR2, AR, SP140 Methylation and Clinical Phenotype. Sleep. 2016 Apr 1;39(4):743-55. doi: 10.5665/sleep.5620. (IF4.793; CLINICAL NEUROLOGY 23/193=11.91%)
18. Chen YM, Lai CH, Rau KM, Huang CH, Chang HC, Chao TY, Tseng CC, Fang WF, Chen YC, Chung YH, Wang YH, Su MC, Huang KT, Liu SF, Chen HC, Chang YC, Chang YP, Wang CC, Lin MC. Advanced non-Small cell lung cancer patients at the extremes of age in the era of epidermal growth factor receptor tyrosine kinase inhibitors. Lung Cancer. 2016 Aug;98:99-105. (IF 5.705; Respiratory System 30/152= 19.7%)
19. Chen PC, Liaw MY, Wang LY, Tsai YC, Hsin YJ, Chen YC, Chen SM, Lin MC. Inspiratory muscle training in stroke patients with congestive heart failure: A CONSORT-compliant prospective randomized single-blind controlled trial. Medicine (Baltimore). 2016 Sep; 95(37):e4856. (IF 1.889; MEDICINE, GENERAL & INTERNAL 99/168=58.9%)
20. Chen YM, Fang YT, Lai CH, Rau KM, Huang CH, Chang HC, Chao TY, Tseng CC, Fang WF, Wang CC, Chen YC, Chung YH, Wang YH, Su MC, Liu SF, Huang KT, Chen HC, Chang YC, Chang YP, Lin MC. [A Survival Scoring System for Non-Small Cell Lung Cancer Patients with De Novo Bone Metastases.](https://www.ncbi.nlm.nih.gov/pubmed/27930702)PLoS One. 2016 Dec 8;11(12):e0167923. (IF 3.24; Multidisciplinary Sciences 26/73= 35.6%)
21. Chang HC, Chen YM, Tseng CC, Huang KT, Wang CC, Chen YC, Lai CH, Fang WF, Kao HC, Lin MC. [Impact of epidermal growth factor receptor gene expression level on clinical outcomes in epidermal growth factor receptor mutant lung adenocarcinoma patients taking first-line epidermal growth factor receptor-tyrosine kinase inhibitors.](https://www.ncbi.nlm.nih.gov/pubmed/28351317)Tumour Biol. 2017 Mar;39(3):1010428317695939.
22. Liu SF, Kuo HC, Lin MC, Ho SC, Tu ML, Chen YM, Chen YC, Fang WF, Wang CC, Liu GH. [Inhaled corticosteroids have a protective effect against lung cancer in female patients with chronic obstructive pulmonary disease: a nationwide population-based cohort study.](https://www.ncbi.nlm.nih.gov/pubmed/28412726) Oncotarget. 2017 May 2;8(18):29711-29721.
23. Chen YC, Chao TY, Leung SY, Chen CJ, Wu CC, Fang WF, Wang YH, Chang HC, Wang TY, Lin YY, Zheng YX, Lin MC, Hsiao CC. [Histone H3K14 hypoacetylation and H3K27 hypermethylation along with HDAC1 up-regulation and KDM6B down-regulation are associated with active pulmonary tuberculosis disease.](https://www.ncbi.nlm.nih.gov/pubmed/28469799) Am J Transl Res. 2017 Apr 15;9(4):1943-1955. (IF 4.06, Medicine, Research & Experimental 70/140=50 %)
24. Chen YC, Lin MC, Hsiao CC, Zheng YX, Chen KD, Sung MT, Chen CJ, Wang TY, Lin YY, Chang HC, Chen YM, Chang JC. [Increased S100A15 expression and decreased DNA methylation of its gene promoter are involved in high metastasis potential and poor outcome of lung adenocarcinoma.](https://www.ncbi.nlm.nih.gov/pubmed/28498804) Oncotarget. 2017 Jul 11;8(28):45710-45724.
25. Chen YC, Chen KD, Su MC, Chin CH, Chen CJ, Liou CW, Chen TW, Chang YC, Huang KT, Wang CC, Wang TY, Chang JC, Lin YY, Zheng YX, Lin MC, Hsiao CC. [Genome-wide gene expression array identifies novel genes related to disease severity and excessive daytime sleepiness in patients with obstructive sleep apnea.](https://www.ncbi.nlm.nih.gov/pubmed/28520763) PLoS One. 2017 May 17;12(5):e0176575. (IF 3.24; Multidisciplinary Sciences 26/73= 35.6%)
26. Chen WC, Huang CH, Sheu CC, Chong IW, Chu KA, Chen YC, Tsai JR, Lee CH, Wei YF. [Long-acting beta2-agonists versus long-acting muscarinic antagonists in patients with stable COPD: A systematic review and meta-analysis of randomized controlled trials.](https://www.ncbi.nlm.nih.gov/pubmed/28654201) Respirology. 2017 Oct;22(7):1313-1319. (IF 6.424, Respiratory system 12/64=18.75%)
27. Chen YC, Lin AS, Hung YC, Chen KD, Wu CY, Lie CH, Hsiao CC, Chen CJ, Liu SF, Fang WF, Chang JC, Wang TY, Wang YH, Chung YH, Chao TY, Leung SY, Su MC, Lin MC. Whole genome gene expression changes and hematologic effect of Rikkunshito in advanced non-small cell lung cancer patients receiving first line chemotherapy. Exp Ther Med. 2017 Sep;14(3):2040-2052. (IF 2.447; Medicine, Research and Experimental 104/140= 74.28%)
28. Lin HC, Lee CY, Friedman M, Wang PC, Salapatas AM, Lin MC, Chen YC. Effects of Minimally Invasive Surgery for Patients with OSA on Quality of Life.

Ann Otol Rhinol Laryngol. 2018 Feb;127(2):118-123. (IF 1.547, Otorhinolaryngology, 33/44=75%)

1. Chen YC, Lin MC, Lee CH, Liu SF, Wang CC, Fang WF, Chao TY, Wu CC, Wei YF, Chang HC, Tsen CC, Chen HC; Taiwan Clinical Trial Consortium of Respiratory Disease (TCORE) group. Defective formyl peptide receptor 2/3 and annexin A1 expressions associated with M2a polarization of blood immune cells in patients with chronic obstructive pulmonary disease. J Transl Med. 2018 Mar 15;16(1):69. doi: 10.1186/s12967-018-1435-5. (IF 5.531, Medicine, Research, & experimental 41/140=29.2%)
2. Chang YP, Lai CH, Lin CY, Chang YC, Lin MC, Chong IW, Sheu CC, Wei YF, Chu KA, Tsai JR, Lee CH, Chen YC\*. Mortality and vertebral fracture risk associated with long-term oral steroid use in patients with chronic obstructive pulmonary disease: A systemic review and meta-analysis. Chron Respir Dis. 2019 Jan-Dec;16:1479973119838280. (IF 2.444; Respiratory system 50/64=78.1%)
3. Chen YC, Su MC, Chin CH, Lin IC, Hsu PY, Liou CW, Huang KT, Wang TY, Lin YY, Zheng YX, Hsiao CC, Lin MC. Formyl peptide receptor 1 up-regulation and formyl peptide receptor 2/3 down-regulation of blood immune cells along with defective lipoxin A4/resolvin D1 production in obstructive sleep apnea patients. PLoS One. 2019 May 22;14(5):e0216607. (IF 3.24; Multidisciplinary Sciences 26/73= 35.6%)
4. Chen YC, Hsu PY, Hsiao CC, Lin MC. Epigenetics: A Potential Mechanism Involved in the Pathogenesis of Various Adverse Consequences of Obstructive Sleep Apnea. Int J Mol Sci. 2019 Jun 15;20(12). pii: E2937. (IF 5.923, Biochemistry & Molecular Biology 67/297=22.5%)
5. Lee Y, Lin PY, Lin MC, Wang CC, Lu HI, Chen YC, Chong MY, Hung CF. Morbidity and associated factors of depressive disorder in patients with lung cancer. Cancer Manag Res. 2019 Aug 9;11:7587-7596. doi: 10.2147/CMAR.S188926.(IF 3.989, Oncology 128/242=52.8%)
6. Fang WF, Huang CH, Chen YM, Hung KY, Chang YC, Lin CY, Fang YT, Chang YT, Chen HC, Huang KT, Chang HC, Chen YC, Wang YH, Wang CC, Lin MC. Application of dynamic pulse pressure and vasopressor tools for predicting outcomes in patients with sepsis in intensive care units. J Crit Care. 2019 Aug;52:156-162. doi: 10.1016/j.jcrc.2019.05.003. Epub 2019 May 3. (IF 3.425, Critical Care Medicine 24/80=30%)
7. Fang WF, Chen YM, Wang YH, Huang CH, Hung KY, Fang YT, Chang YC, Lin CY, Chang YT, Chen HC, Huang KT, Chen YC, Wang CC, Lin MC. Incorporation of dynamic segmented neutrophil-to-monocyte ratio with leukocyte count for sepsis risk stratification. Sci Rep. 2019 Dec 24;9(1):19756. doi: 10.1038/s41598-019-56368-0. (IF 4.379, Multidiscipline sciences 27/73=23.2%)
8. Lin PW, Lin HC, Friedman M, Chang HW, Salapatas AM, Lin MC, Chen YC. Effects of CPAP for patients with OSA on visual sensitivity and retinal thickness. Sleep Med. 2020 Mar;67:156-163. doi: 10.1016/j.sleep.2019.10.019. (IF 3.492, clinical neurology 94/208=44.2%)
9. Chen YC, Hsu PY, Su MC, Chin CH, Liou CW, Wang TY, Lin YY, Lee CP, Lin MC, Hsiao CC. miR-21-5p Under-Expression in Patients with Obstructive Sleep Apnea Modulates Intermittent Hypoxia with Re-Oxygenation-Induced-Cell Apoptosis and Cytotoxicity by Targeting Pro-Inflammatory TNF-α-TLR4 Signaling. Int J Mol Sci. 2020 Feb 3;21(3):999. doi: 10.3390/ijms21030999. (IF 5.923, Biochemistry & Molecular Biology 67/297=22.5%)
10. Huang KT, Chen YC, Tseng CC, Chang HC, Su MC, Wang TY, Lin YY, Zheng YX, Chang JC, Chin CH, Hsiao CC, Lin MC. Aberrant DNA methylation of the toll-like receptors 2 and 6 genes in patients with obstructive sleep apnea. PLoS One. 2020 Feb 18;15(2):e0228958. doi: 10.1371/journal.pone.0228958. (IF 3.24; Multidisciplinary Sciences 26/73= 35.6%)
11. Chen CY, Chen WC, Huang CH, Hsiang YP, Sheu CC, Chen YC, Lin MC, Chu KA, Lee CH, Wei YF. LABA/LAMA fixed-dose combinations versus LAMA monotherapy in the prevention of COPD exacerbations: a systematic review and meta-analysis. Ther Adv Respir Dis. 2020 Jan-Dec;14:1753466620937194. doi: 10.1177/1753466620937194. (IF 4.031, Respiratory 22/64=34.37%)
12. Lee Y, Hung CF, Chien CY, Lin PY, Lin MC, Wang CC, Lu HI, Chen YC, Chong MY, Wang LJ. Comparison of prevalence and associated factors of depressive disorder between patients with head and neck cancer and those with lung cancer at a tertiary hospital in Taiwan: a cross-sectional study. BMJ Open. 2020 Jun 29;10(6):e037918. doi: 10.1136/bmjopen-2020-037918. (IF 2.692, Medicine, general & internal 64/168=38% )
13. Chen YC, Hsiao CC, Chen TW, Wu CC, Chao TY, Leung SY, Eng HL, Lee CP, Wang TY, Lin MC. Whole Genome DNA Methylation Analysis of Active Pulmonary Tuberculosis Disease Identifies Novel Epigenotypes: PARP9/ miR-505/ RASGRP4/ GNG12 Gene Methylation and Clinical Phenotypes. Int J Mol Sci. 2020 Apr 30;21(9):3180. doi: 10.3390/ijms21093180. (IF 5.923, Biochemistry & Molecular Biology 67/297=22.5%)
14. Fang WF, Fang YT, Huang CH, Chen YM, Chang YC, Lin CY, Hung KY, Chang YT, Chen HC, Huang KT, Chang HC, Chen YC, Wang YH, Wang CC, Lin MC. Risk factors and associated outcomes of ventilator-associated events developed in 28 days among sepsis patients admitted to intensive care unit. Sci Rep. 2020 Jul 29;10(1):12702. doi: 10.1038/s41598-020-69731-3. (IF 4.379, Multidiscipline sciences 27/73=23.2%)
15. Chen YC, Huang KT, Su MC, Hsu PY, Chin CH, Lin IC, Liou CW, Wang TY, Lin YY, Hsiao CC, Lin MC. Aberrant DNA methylation levels of the formyl peptide receptor 1/2/3 genes are associated with obstructive sleep apnea and its clinical phenotypes. Am J Transl Res. 2020 Jun 15;12(6):2521-2537. (IF 4.06, Medicine, Research & Experimental 70/140=50 %)
16. Chang YT, Chen YC, Chen YL, Hsu SW, Yang FY, Lee CC, Hsu PY, Lin MC. Functional connectivity in default mode network correlates with severity of hypoxemia in obstructive sleep apnea. Brain Behav. 2020 Dec;10(12):e01889. (IF 2.708, Neuroscience 197/273=72.1%)
17. Chen YC, Chang YP, Hsiao CC, Wu CC, Wang YH, Chao TY, Leung SY, Fang WF, Lee CP, Wang TY, Hsu PY, Lin MC. Blood M2a monocyte polarization and increased formyl peptide receptor 1 expression are associated with progression from latent tuberculosis infection to active pulmonary tuberculosis disease. Int J Infect Dis. 2020 Dec;101:210-219. (IF 3.623, Infectious Disease 45/92=48.9%)
18. Chen YC, Lee CP, Hsiao CC, Hsu PY, Wang TY, Wu CC, Chao TY, Leung SY, Chang YP, Lin MC. MicroRNA-23a-3p Down-Regulation in Active Pulmonary Tuberculosis Patients with High Bacterial Burden Inhibits Mononuclear Cell Function and Phagocytosis through TLR4/TNF-α/TGF-β1/IL-10 Signaling via Targeting IRF1/SP1. Int J Mol Sci. 2020 Nov 14;21(22):8587. (IF 5.923, Biochemistry & Molecular Biology 67/297=22.5%)
19. Chen HC, Chen YC, Wang TN, Fang WF, Chang YC, Chen YM, Chen IY, Lin MC, Yang MY. Disrupted Expression of Circadian Clock Genes in Patients with Bronchial Asthma. J Asthma Allergy. 2021 Apr 16;14:371-380. (IF 4.258, Respiratory system 20/64=31.2%)
20. Cheng SL, Lin CH, Chu KA, Chiu KL, Lin SH, Lin HC, Ko HK, Chen YC, Chen CH, Sheu CC, Huang WC, Yang TM, Wei YF, Chien JY, Wang HC, Lin MC. Update on guidelines for the treatment of COPD in Taiwan using evidence and GRADE system-based recommendations. J Formos Med Assoc. 2021 Oct;120(10):1821-1844. (IF 3.282, Medicine, General and internal, 53/168=31.5%)
21. Tsai YH, Lin CY, Chen YM, Chang YP, Hung KY, Chang YC, Chen HC, Huang KT, Chen YC, Wang YH, Wang CC, Lin MC, Fang WF. Impact of Body Mass Index on the Survival of Patients with Sepsis with Different Modified NUTRIC Scores. Nutrients. 2021 May 30;13(6):1873. (IF 5.717, Nutrition & Dietetics, 17/88=19.3%)
22. Chen YC, Tsai YH, Wang CC, Liu SF, Chen TW, Fang WF, Lee CP, Hsu PY, Chao TY, Wu CC, Wei YF, Chang HC, Tsen CC, Chang YP, Lin MC; Taiwan Clinical Trial Consortium of Respiratory Disease (TCORE) group. Epigenome-wide association study on asthma and chronic obstructive pulmonary disease overlap reveals aberrant DNA methylations related to clinical phenotypes. Sci Rep. 2021 Mar 3;11(1):5022. (IF 4.379, Multidiscipline sciences 27/73=23.2%)
23. Chen YC, Hsu PY, Chin CH, Hsiao CC, Liou CW, Wang TY, Lin YY, Lee CP, Lin HC, Lin MC, Su MC. H3K23/H3K36 hypoacetylation and HDAC1 up-regulation are associated with adverse consequences in obstructive sleep apnea patients. Sci Rep. 2021 Oct 19;11(1):20697. doi: 10.1038/s41598-021-00052-9. (IF 4.379, Multidiscipline sciences 27/73=23.2%)
24. Chen YL,\* , Chen YC , Chang YT, Wang HT, Liu WH, Chong SZ, Lin PT , Hsu PY, Su MC and Lin MC. GJA1 Expression and Left Atrial Remodeling in the Incidence of Atrial Fibrillation in Patients with Obstructive Sleep Apnea Syndrome. Biomedicines. 2021 Oct 13;9(10):1463. doi: 10.3390/biomedicines9101463. (IF 6.081, Pharmacology & pharmacy, 33/275=12%)
25. Liu SF, Chin CH, Tseng CW, Chen YC, Kuo HC. Exertional Desaturation Has Higher Mortality Than Non-Desaturation in COPD. Medicina (Kaunas). 2021 Oct 15;57(10):1110. doi: 10.3390/medicina57101110. (IF 2.43, Medicine, general & internal, 80/168=47.6%)
26. Chen YM, Lai CH, Lin CY, Tsai YH, Chang YC, Chen HC, Tseng CC, Chang HC, Huang KT, Chen YC, Fang WF, Wang CC, Chao TY and Lin MC\*. Body Mass Index, Weight Loss, and Mortality Risk in Advanced-Stage Non-Small Cell Lung Cancer Patients: A Focus on EGFR Mutation. Nutrients 2021, 13, 3761.https://doi.org/10.3390/nu13113761. (IF 5.717, Nutrition & Dietetics, 17/88=19.3%)
27. Chen YC, Hsu PY, Su MC, Chen TW, Hsiao CC, Chin CH, Liou CW, Wang PW, Wang TY, Lin YY, Lee CP, Lin MC. MicroRNA Sequencing Analysis in Obstructive Sleep Apnea and Depression: Anti-Oxidant and MAOA-Inhibiting Effects of miR-15b-5p and miR-92b-3p through Targeting PTGS1-NF-κB-SP1 Signaling. Antioxidants (Basel). 2021 Nov 22;10(11):1854. doi: 10.3390/antiox10111854. (IF=6.313; Food science & Technology 11/144=7.6%)
28. Chen YC, Chang YP, Huang KT, Hsu PY, Hsiao CC, Lin MC. Unraveling the Pathogenesis of Asthma and Chronic Obstructive Pulmonary Disease Overlap: Focusing on Epigenetic Mechanisms. Cells. 2022 May 24;11(11):1728. doi: 10.3390/cells11111728. (IF 7.666; cell biology 51/195=26.1%)
29. Chen YL, Chen YC, Wang HT, Chang YT, Fang YN, Hsueh S, Liu WH, Lin PT, Hsu PY, Su MC, Huang KT, Lin MC. The Impact of Intermittent Hypoxemia on Left Atrial Remodeling in Patients with Obstructive Sleep Apnea Syndrome. Life (Basel). 2022 Jan 20;12(2):148. doi: 10.3390/life12020148. (IF=3.253; biology 39/94=41.1%)
30. Chang YP, Chen YM, Chang YC, Liu SF, Fang WF, Chao TY, Wu CC, Chang HC, Lin MC, Chen YC. Association of baseline parameters with year 0 and year 1 acute exacerbations in male patients with chronic obstructive pulmonary disease Int J Immunopathol Pharmacol. 2022 Jan-Dec;36:3946320221099073. doi: 10.1177/03946320221099073. (IF 3.298; pharmacology and pharmacy 158/279= 56.6%)
31. Lin CY, Wang YH, Chen YM, Hung KY, Chang YC, Fang YT, Chang YT, Chen HC, Huang KT, Chang HC, Chen YC, Wang CC, Lin MC, Fang WF. Dynamic monitoring of kidney injury status over 3 days in the intensive care unit as a sepsis phenotype associated with hospital mortality and hyperinflammation Biomed J. 2022 Aug;45(4):665-674. doi: 10.1016/j.bj.2021.08.006. Epub 2021 Sep 3. (IF 7.892; medicine, research and experiment 28/140=20%)
32. Chen YC, Hsiao CC, Wu CC, Chao TY, Leung SY, Chang YP, Tseng CC, Lee CP, Hsu PY, Wang TY, Wang PW, Chen TW, Lin MC. Next generation sequencing reveals miR-431-3p/miR-1303 as immune-regulating microRNAs for active tuberculosis. J Infect. 2022 Nov;85(5):519-533. doi: 10.1016/j.jinf.2022.08.035. Epub 2022 Aug 31. (IF 38.637; Infectious disease 4/96=4.16%)

**(2). Oral Presentations 口頭報告：**（Title, Meeting Location, Date, Oral/Poster）

1. American Thoracic Society 2014 Annual Conference Mini Symposium A15-TUBERCULOSIS GENOMICS (ID 55507) Aberrant Toll-like Receptor 2 Promoter Methylation In Pulmonary Tuberculosis, San Diego, USA, 2014/05/18, Oral

2. American Thoracic Society 2016 Annual Conference Mini Symposium B17-TUBERCULOSIS: SUSCEPTIBILITY AND IMMUNE RESPONSE: Global Histone H3K14 hypoacetylation and H3K27 hyermethylation along with HDAC1 up-regulation and KDM6B down-regulation are associated with active pulmonary tuberculosis disease, San Francisco, USA, 2016/05/16, Oral

1. 2017/03/26,台灣睡眠醫學學會106年度會員大會暨第十五屆學術研討會 專題演講: Clinical and Biological Phenotypes in Obstrtive Sleep Apnea, Kaohsiung Medical University, Taiwan.
2. 2018/03/18,台灣睡眠醫學學會107年度會員大會暨第十六屆學術研討會 專題演講: Potential Mechanisms of Carcinogenesis in Obstructive Sleep Apnea (OSA)
3. 2019/5/26, COPD醫療給付改善方案教育訓練 專題演講:肺阻塞(COPD)的藥物治療
4. 2018/11/30 Annual Congress of Asian Pacific Society of Respirology 2018 Oral Presentation, Abstract Title: Aberrant DNA methylation levels of the Formyl Peptide Receptor 1/2/3 gene promoter regions are associated with obstructive sleep apnea, Taipei, Taiwan.
5. 2019/11/7, 2019台灣胸腔暨重症加護醫學會年會專題演講: The role of epigenetics in human immune responses against Mycobacterium tuberculosis infection, Kaohsiung.
6. 2020/07/19, COPD醫療給付改善方案教育訓練 專題演講:肺阻塞的吸入性裝置衛教
7. 2020/09/03, 高雄長庚醫院內科部Grand Round專題演講: New Advances in Asthma Management: control-and phenotype-based approaches
8. 2020/11/07, 2020睡眠與呼吸疾病論壇專題演講: Pharmacotherapy for obstructive sleep apnea (OSA), Kaohsiung.
9. 2020/11/19, 109年度長庚體系學術交流討論會壇 專題演講: 表觀遺傳變異在  
   阻塞性睡眠呼吸中止症的應用,林口長庚.
10. 2021/03/15, 台灣睡眠醫學學會110年度會員大會暨第十九屆學術研討會暨第一 屆亞洲阻塞性睡眠呼吸中止學會年會專題演講: The emerging Role of epigenetics in precision medicine for obstructive sleep apnea (OSA), Webinar.
11. 2021/08/22, 全民健康保險氣喘醫療給付改善方案之教育訓練課程 專題演講: 特殊情況下的氣喘治療.
12. 2021/10/09, 台灣胸腔暨重症加護醫學會 EOS 論壇【EOS School】專題演講: Severe Eosinophilic Asthma: from bench to bedside, Kaohsiung and Webinar.
13. 2022/6/11, 台灣胸腔暨重症加護醫學會跨科多領域討論會(Multi-Disciplinary Discussion) 南區: Chest topic: sign of asthma. What to be mindful. Webinar.
14. 2022/8/7, 111年影像判讀繼續教育課程(南區): 肺實質化病變與肺塌陷，高雄榮民總醫院。
15. 2022/10/2, 重症醫學專科聯甄課程南區場: Recommended treatment options for  
    infection due to carbapenem-resistant Pseudomonas aeruginosa (CRPA)，高雄長庚。
16. 2022/12/17, 台灣結核暨肺部疾病醫學會111 年12 月南區醫師學術研討會: 非結核分枝桿菌肺病的危險因子及治療建議，高雄醫學大學附設中和紀念醫院。

**Honor &/or Awards：**

|  |  |
| --- | --- |
| 1. 102年(102.1.1~102.12.31) | 台灣胸腔醫學會口頭報告優秀論文獎 |
| 1. 103年(103.1.1~103.12.31) | 台灣睡眠醫學會優秀論文獎 |
| 3. 104 年(104 .1.1~104.12.31) | 台灣胸腔醫學會口頭報告優秀論文獎 |
| 4. 105 年(105 .1.1~105.12.31) | 台灣胸腔醫學會口頭報告優秀論文獎 |
| 5. 106 年(106 .1.1~106.12.31) | 台灣胸腔醫學會口頭報告優秀論文獎 |
| 6. 108 年(108 .1.1~108.12.31) | 台灣胸腔醫學會口頭報告優秀論文獎 |
| 7. 109 年(109 .1.1~109.12.31) | 台灣胸腔醫學會口頭報告優秀論文獎 |
| 8. 110 年(110 .1.1~110.12.31) | 台灣胸腔醫學會口頭報告優秀論文獎 |

Signature： Date：