

Wei-Cheng Che is the Director of Respiratory Intensive Care Medicine at China Medical University Hospital (CMUH), Taiwan. Dr. Chen received his medical degree from the Kaohsiung Medical University School of Medicine. He came to CMUH for residency in Internal Medicine and stayed to complete his chief residency and Pulmonary/Critical Care Medicine fellowship. His work focused on the implementation of lung protective strategy on acute respiratory distress syndrome. He is under the research training with Professor Min-Chi Lu on multiple-drug resistant *Enterobacterales*.

■ Education

2002-2009	Kaohsiung Medical University	School of Medicine
2020-present	China Medical University	Doctoral program, Gradual Institute of biomedical sciences

■ Post-gradual Training and Position

2010-2013	China Medical University Hospital	Residency Department of Internal Medicine
2013-2015	China Medical University Hospital	Fellowship Division of Pulmonary and Critical Care Medicine
2015-present	China Medical University Hospital	Attending physician Division of Pulmonary and Critical Care Medicine
2020-present	China Medical University Hospital	Director Respiratory intensive care unit

■ Board Certification

2013	Society of Internal Medicine, R.O.C.	No. 10021
2015	Association of Hyperbaric and Undersea Medicine, R.O.C.	No. 460
2015	Taiwan Society of Pulmonary and Critical Care Medicine	No. 1349
2016	Taiwan Lung Cancer Society	No. 222
2017	Specialist of Critical Care Medicine	No. 2967

■ Award

2012	Elite Resident of China Medical University Hospital
2013	Excellent Teaching Resident of China Medical University Hospital
2016	Young Investigator Award of Taiwan Society of Pulmonary and Critical

Care Medicine

- 2017 Excellent Teaching Physician of China Medical University Hospital
- 2020 Elite Physician of China Medical University Hospital
- 2020 Quality and Patient Safety Improvement Announcement of China Medical University Hospital
- 2021 Holistic Health Care and Interprofessional Education Competition of China Medical University Hospital
- 2021 National Healthcare Quality Award- Quality Improvement Project. Wei-Cheng Chen, Tung-Mei Chen, et al. Using Healthcare Failure Model and Effect Analysis (HFMEA) to Establish an Instrument Alarm Management System.

■ Research

1. **Chen, W.-C.**; Lin, M.-H.; Chen, C.-L.; Lai, Y.-C.; Chen, C.-Y.; Lin, Y.-C*; Hung, C.-C.* Comprehensive Comparison of the Effect of Inotropes on Cardiorenal Syndrome in Patients with Advanced Heart Failure: A Network Meta-Analysis of Randomized Controlled Trials. **Journal of Clinical Medicine.** 2021, 10, 4120. <https://doi.org/10.3390/jcm10184120>
2. Wang, S.-H.; Yang, K.-Y.; Sheu, C.-C.; **Chen, W.-C.**; Chan, M.-C.; Feng, J.-Y.; Chen, C.-M.; Wu, B.-R.; Zheng, Z.-R.; Chou, Y.-C.; et al. Efficacies of Colistin–Carbapenem versus Colistin–Tigecycline in Critically Ill Patients with CR-GNB-Associated Pneumonia: A Multicenter Observational Study. **Antibiotics** 2021, 10, 1081. <https://doi.org/10.3390/antibiotics10091081>
3. Tseng H, Wang AL, Lin HT, Lee CC, **Chen WC.*** Entire Bilateral Kidneys Enhanced by Air-contrast after Ventilation-induced Alveolar Rupture. **American Journal of Respiratory and Critical Care Medicine.** 2021, 203(9), e31-e32
4. **Chen WC**, Lin MH, Chen CL, Chen YC, Chen CY, Lin YC*, and Hung CC.* Comprehensive Comparisons among Inotropic Agents on Mortality and Risk of Renal Dysfunction in Patients Who Underwent Cardiac Surgery: A Network Meta-Analysis of Randomized Controlled Trials. **Journal of Clinical Medicine.** 2021, 10(5), 1032.
5. **Chen WC**, Lin MH, Chen CL, Lai YC, Chen YC, Chen CY, Lin YC*, and Hung CC.* Comprehensive Comparison of the Effect of Inotropes on Cardiorenal Syndrome in Patients with Advanced Heart Failure: A Network Meta-Analysis of Randomized Controlled Trials. **Journal of Clinical Medicine.** 2021, 10(18), 4120.
6. Lin HT, Cheng CJ, Ju T, Wang AL, **Chen WC.***The Football Sign: An Alarming Feature on Supine Radiograph. **Cureus**13(1): e12867. DOI 10.7759/cureus.12867

7. **Chen WC**, Lai YC, Lin CH, Zheng JF, Hung WC, Wang YJ, Kuo TH, Wu LH, Tong YS, Lu MC*, Liu KS. First COVID-19 mortality case in Taiwan with bacterial co-infection by national surveillance of critically ill patients with influenza-negative pneumonia. **Journal of Microbiology, Immunology and Infection**. 2020, 53(4), 652-656
8. Chang SH, Chen DY, **Chen WC**, Lan JL*. Clinical Characteristics of Rheumatoid Arthritis-Associated Lung Disease: A Retrospective Study in a Tertiary Referral Center in Taiwan. **Formosa Journal of Rheumatology**. 2018; 32(2): 36-42
9. Shen YC, Tseng GC, Tu CY, **Chen WC**, Liao WC, Chen WC, Li CH, Chen HJ*, Hsia TC. Comparing the effects of afatinib with gefitinib or Erlotinib in patients with advanced-stage lung adenocarcinoma harboring non-classical epidermal growth factor receptor mutations. **Lung Cancer**. 2017;110:56-62
10. Shen TC, Hsia TC, Chao CY, **Chen WC**, Chen CY, Chen WC, Lin YT, Hsiao CL, Chang WS, Tsai CW, Bau DT*. The Contribution of MMP-8 Promoter Polymorphisms in Lung Cancer. **Anticancer Research**. 2017;37(7):3563-3567.
11. **Chen WC**, Huang KY, Yao CW, Wu CF, Liang SJ, Li CH, Tu CY, Chen HJ* The modified SAVE score: predicting survival using urgent veno-arterial extracorporeal membrane oxygenation within 24 hours of arrival at the emergency department. **Critical Care**. 2016;22;20(1):336.
12. **Chen WC**, Tu CY*, Huang KY, Chen HJ, Hsu WH, Shih CM. Untreated Pulmonary Arteriovenous Malformation Causing Spontaneous Hemothorax – A Case Report. **Thorac Med** 2016; 31: 29-34
13. Chen WC, **Chen WC**, Chen CY, Wu BR, Cheng WC, Lin KH, Hsia TC, Chen W, Chen CH, Muo CH, Liao WC, Li CH*. Amiodarone Use Is Associated with Increased Risk of Stroke in Patients With Nonvalvular Atrial Fibrillation A Nationwide Population-Based Cohort Study. **Medicine (Baltimore)**. 2015;94(19):e849.

■ Poster Presentation

1. *Pneumocystis jirovecii* Infection Following ARDS due to *Mycoplasma pneumoniae* in an Immunocompetent Patient. SECC-Best of SCCM Congress 2021 Taipei. 2021.12.18 ~ 2021.12.19
2. Coiling, Entrapment, and Unraveling of Guide Wire during Ultrasound-guided Double Lumen Catheter Insertion. SECC-Best of SCCM Congress 2021 Taipei. 2021.12.18 ~ 2021.12.19
3. A Vanished Heart on Ultrasound: The Warning Sign of Pneumopericardium. 2021 Annual Congress of Taiwan Society of Pulmonary and Critical Care Medicine

- And Taiwan Society of Thoracic Surgeons, Taiwan Association of Thoracic & Cardiovascular Surgery Joint Conference. 2021.12.11 ~ 2021.12.12
4. Concomitant *Pseudomonas* and *Aspergillus* presence in a Patient with ARDS and Multiple Cavitory Pulmonary Lesions. Scientific Congress and Annual Meeting 2021-Taiwan Society of Internal Medicine. 2021.12.04 ~ 2021.12.05
 5. A Rare Presentation of Anaplastic Large Cell Lymphoma as a Cavitory Pulmonary Mass with Hypercalcemia. Scientific Congress and Annual Meeting 2021-Taiwan Society of Internal Medicine. 2021.12.04 ~ 2021.12.05
 6. Sequential Noninvasive Ventilation and High-Flow Nasal Cannula in a Pregnant Woman with Acute Respiratory Distress Syndrome. SCCM's 2020 Virtual Critical Care Congress. 2021.01.31~2021.02.12
 7. Classic Image of Perirenal Air Caused by Ventilator-Induced Alveolar Rupture. Euroasia 2020 Taipei Taiwan Emergency and Critical care. 2020.9.12~2020.9.13
 8. Esophageal Pneumatocele, a Rare Presentation of Ischemic Bowel. Euroasia 2020 Taipei Taiwan Emergency and Critical care. 2020.9.12~2020.9.13
 9. Linezolid-induced Lactic Acidosis in the Patient with Acute Myeloid Leukemia. Scientific congress and annual meeting 2019-Taiwan Society of Internal Medicine. 2019.11.30 ~ 2019.12.1
 10. Football sign, a classical imaging of acute abdomen. Scientific congress and annual meeting 2019-Taiwan Society of Internal Medicine. 2019.11.30 ~ 2019.12.1
 11. Acute Hepatic Failure Secondary to Primary Amyloidosis. Scientific congress and annual meeting. 2019-Taiwan Society of Internal Medicine. 2019.11.30 ~ 2019.12.1
 12. Broncholithiasis mimicking malignancy presented with life-threatening hemoptysis. Scientific congress and annual meeting 2019-Taiwan Society of Internal Medicine. 2019.11.30 ~ 2019.12.1
 13. Rare presentation of acute B-lymphoblastic leukemia mimics Guillain-Barre syndrome: A case report. 2018 23rd Congress of the Asian pacific society of respirology. 2018.11.29 ~ 2018.12.2
 14. Immune-mediated cardiac tamponade during nivolumab therapy for esophageal cancer: a case report. Scientific congress and annual meeting 2018-Taiwan Society of Internal Medicine, 2018.12.1 ~ 2018.12.2
 15. The Contribution of Matrix Metalloproteinase-1 Promoter Genotypes to Taiwan Lung Cancer Risk. 33th Joint Annual Conference of Biomedical Science. 2018.3.24 ~ 2018.3.25.
 16. Risk of Sleep Disorders in Patients with Type 1 Diabetes Mellitus: A Nationwide Population-Based Cohort Study. American Thoracic Society International Conference (ATS 2017). 2017.5.19 ~ 2017.5.24.

17. Contribution of genotype of DNA double-strand break repair gene XRCC3, gender, and smoking behavior to lung cancer risk in Taiwan. 31st Joint Annual Conference of Biomedical Science. 2016.3.26 ~ 2016.3.27 ,
18. Early Noninvasive Ventilation Prevents Evolution of Acute Respiratory Failure in Immunosuppressed Patients: A system Review and Meta-analysis. 2016 CHEST Annual Meeting. 2016.10.22 ~ 2016.10.26. Critical Care
19. ECMO and Artificial Oxygenation System in Acute Respiratory Failure. 2015 American Thoracic Society International Conference. 2015.5.15 ~ 2015.5.20