




<b>Name</b>	<b>Diahn-Warng Perng</b>	
<b>Country</b>	<b>Taiwan</b>	
<b>Organization</b>	<b>Taipei Veterans General Hospital.</b>	
<b>Current Position</b>	<b>Chief, Division of General Chest Medicine, Professor, School of Medicine, National Yang Ming University</b>	

## Biography

Diahn-Warng Perng is Chief of General Chest Medicine at the Department of Chest Medicine, Taipei Veterans General Hospital, Taiwan. He is Professor of Medicine in National Yang Ming University, Taipei. He had been the Secretary General of Taiwan Society of Pulmonary and Critical Care Medicine and the Head of COPD Assembly in Asia Pacific Society of Respiriology.

Dr Perng received his medical degree in 1990 and subsequently trained in internal medicine and chest medicine at the Taipei Veterans General Hospital. From 1997 to 2000 he held The Overseas Research Studentship at the University of Southampton, at the completion of which he was awarded a PhD for his thesis on 'The proinflammatory actions of mast cell tryptase and agonists of protease activated receptor 2 on the human airway epithelium.'

Dr Perng's research is focused on understanding the inflammatory mechanisms and the repair process of chronic airway disorders, as well as their modulation associated with therapeutic intervention. He has published numerous papers in peer-reviewed journals, including the *JACI-In Practice*, *Journal of Immunology*, *the American Journal of Respiratory Cell Biology*, *the American Journal of Physiology*, *Chest*, *Lung*, *European Respiratory Journal*, *Critical Care Medicine*, *Tissue Engineering*, *Pulm Pharmacol Ther*, *PLoS One*, *Int J Chron Obstruct Pulmon Dis*, *Drug Des Devel Ther* and *Respirology*.

## Educational Background

Chung-Shan Medical University. Taiwan.

Degree: M.D.

PhD. University of Southampton, UK.

Awarded Ph.D. for thesis entitled

***"The proinflammatory actions of mast cell tryptase and agonists of protease activated receptor 2 on the human airway epithelium".***

## Professional Experiences

Chief, Division of General Chest Medicine,

Chest Department, Taipei Veterans General Hospital.

Professor, School of Medicine, National Yang Ming University

Head, COPD Assembly, Asian Pacific Society of Respiriology. 2015-2017

Asia Pacific Society of Respiriology Education Committee.

APSR-ERS Airway Diseases Liaison

Section Editor, Journal of Chinese Medical Association

Member of Council, Taiwan Society of Pulmonary and Critical Care Medicine



## Professional Organizations

Chest Department, Taipei Veterans General Hospital.  
Professor, School of Medicine, National Yang Ming University

## Main Scientific Publications

### Publications 2018~(\*correspondent)

1. Ko HK, Hsiao YH, Jeng MJ, Yang DM, Chen PK, Su KC, Chou KT, **Perng DW\***. The role of transforming growth factor- $\beta$ 2 in cigarette smoke-induced lung inflammation and injury. *Life Sci.* 2023 May 1;320:121539. doi: 10.1016/j.lfs.2023.121539. Epub 2023 Mar 2
2. Chen YW, Hsiao YH, Ko HK, Jeng TH, Su KC, **Perng DW\***. Unmet Need for Oral Corticosteroids Use and Exacerbations of Asthma in Primary Care in Taiwan. *Biomedicines.* 2022 Dec 14;10(12):3253. doi: 10.3390/biomedicines10123253.
3. Cheng SL, Sheu CC, Chian CF, Hsu JY, Kao KC, Hang LW, Lin CH, Fang WF, Wang HC, **Perng DW\***. NICEFIT-A Prospective, Non-Interventional, and Multicentric Study for the Management of Idiopathic Pulmonary Fibrosis with Antifibrotic Therapy in Taiwan. *Biomedicines.* 2022 Sep 22;10(10):2362. IF= 4.757.
4. Maspero J, Adir Y, Al-Ahmad M, Celis-Preciado CA, Colodenco FD, Giavina-Bianchi P, Lababidi H, Ledanois O, Mahoub B, **Perng DW**, Vazquez JC, Yorgancioglu A. Type 2 inflammation in asthma and other airway diseases. *ERJ Open Res.* 2022 Aug 1;8(3):00576-2021. IF=4.239
5. Hsiao YH, Lin YJ, Jeng TH, Su KC, Ko HK, Yang SN, **Perng DW\***, Kou YR\*. Potentiality of impulse oscillometry to evaluate bronchodilator reversibility in untreated adult patients with newly diagnosed asthma. *J Chin Med Assoc.* 2022 Jun 6. doi: 10.1097. IF=3.396.
6. Yi-Fong Su V, Chou KT, Tseng CH, Kuo CY, Su KC, **Perng DW**, Chen YM, Chang SC. Mouth opening/breathing is common in sleep apnea and linked to more nocturnal water loss. *Biomed J.* 2022 May 9;S2319-4170(22)00073-7. IF=7.892
7. Chen CZ, Sheu CC, Cheng SL, Wang HC, Lin MC, Hsu WH, Lee KY, **Perng DW**, Lin HI, Lin MS, Lin SH, Tsai JR, Wang CC, Wang CY, Yang TM, Liu CL, Wang TY, Lin CH. Performance and Clinical Utility of Various Chronic Obstructive Pulmonary Disease Case-Finding Tools. *Int J Chron Obstruct Pulmon Dis.* 2021 Dec 18;16:3405-3415. IF=2.893
8. Su KC, Ko HK, Hsiao YH, Chou KT, Chen YW, Pan SW, Feng JY, **Perng DW\***. Fractional Exhaled Nitric Oxide Guided-Therapy in Chronic Obstructive Pulmonary Disease: A Stratified, Randomized, Controlled Trial. *ARCHIVOS DE BRONCONEUMOLOGIA.* 2021 Dec 18;S0300-2896(21)00393-8;2022 Aug;58(8):601-610. IF=6.333
9. Cheng SL, Li YR, Huang N, Yu CJ, Wang HC, Lin MC, Chiu KC, Hsu WH, Chen CZ, Sheu CC, **Perng DW**, Lin SH, Yang TM, Lin CB, Kor CT, Lin CH. [Effectiveness of Nationwide COPD Pay-for-Performance Program on COPD Exacerbations in Taiwan.](#) *Int J Chron Obstruct Pulmon Dis.* 2021 Oct 18;16:2869-2881. IF=3.355
10. Cheng SL, Chiu KC, Ko HK, **Perng DW**, Wang HC, Yu CJ, Sheu CC, Lin SH, Lin CH. Comparing Patient Characteristics, Clinical Outcomes, and Biomarkers of Severe Asthma Patients in Taiwan. *Biomedicines.* 2021 Jul 1;9(7):764. IF=6.081
11. Ko HK, Cheng SL, Lin CH, Lin SH, Hsiao YH, Su KC, Yu CJ, Wang HC, Sheu CC, Chiu KC\*, **Perng DW\***. Blood tryptase and thymic stromal lymphopoietin levels predict the risk of exacerbation in severe asthma. *Sci Rep.* 2021 Apr 19;11(1):8425. IF=4.38
12. Lin CH, Cheng SL, Wang HC, Hsu WH, Lee KY, **Perng DW**, Lin HI, Lin MS, Tsai JR, Wang CC, Lin SH, Wang CY, Chen CZ, Yang TM, Liu CL, Wang TY, Lin MC. Novel App-Based Portable Spirometer for the Early Detection of COPD. *Diagnostics (Basel).* 2021 Apr 27;11(5):785. IF=3.706
13. Suehs CM, Menzies-Gow A, Price D, Bleecker ER, Canonica GW, Gurnell M, Bourdin A; Oral Corticosteroids Tapering Delphi Expert Panel. Expert Consensus on the Tapering of Oral Corticosteroids for the Treatment of Asthma. A Delphi Study. *Am J Respir Crit Care Med.* 2021 Apr 1;203(7):871-881. IF=21.405
14. 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;. Epigenome-wide association study on asthma and chronic obstructive pulmonary disease overlap reveals aberrant DNA methylations related to clinical phenotypes. Taiwan Clinical Trial Consortium of Respiratory Disease (TCORE) group. *Sci Rep.* 2021 Mar 3;11(1):5022. IF=4.38
15. Huang WC, Sheu CC, Hsu JY, **Perng DW**, Wang HC, Cheng SL, Chen BC. The prevalence and clinical features of chronic obstructive pulmonary disease patients with traits of asthma in Taiwan. *J Formos Med Assoc.* 2022 Jan;121(1 Pt 1):25-35. Epub 2021 Jan 20. IF=3.282



16. Huang TM, Kuo KC, Wang YH, Wang CY, Lai CC, Wang HC, Chen L, Yu CJ;. Risk of active tuberculosis among COPD patients treated with fixed combinations of long-acting beta2 agonists and inhaled corticosteroids. On the behalf of Taiwan Clinical Trial Consortium for Respiratory Diseases (TCORE). BMC Infect Dis. 2020 Sep 25;20(1):706. IF=3.09
17. Dhar R, Ip M, Kulkarni T, Kim SH, **Perng DW**, Yao X, Iwanaga T, Siyue Koh M. Challenges faced in managing adult asthma: A perspective from Asian countries. Respirology. 2020 Dec;25(12):1235-1242. Epub 2020 Sep 4. Review. IF=6.424
18. Yang SN, **Perng DW**, Ko HK, Chang YL, Hsu CC, Huang HY, Chung MI. Epidemiologic Analysis of Taiwanese Patients with Idiopathic Pulmonary Fibrosis. Healthcare (Basel). 2020 Dec 21;8(4):580. IF=2.645
19. Chen CH, Tsai PJ, Wang YF, Pan CH, Hung PC, Ho JJ, **Perng DW**, Nemery B, Guo YL. Respiratory health effects of the fiberglass-reinforced plastic lamination process in the yacht-building industry. Scand J Work Environ Health. 2021 Jan 1;47(1):62-69. IF=5.024
20. Chiu HY, Hsiao YH, Su KC, Lee YC, Ko HK, **Perng DW**\*. Small Airway Dysfunction by Impulse Oscillometry in Symptomatic Patients with Preserved Pulmonary Function. J Allergy Clin Immunol Pract. 2020 Jan;8(1):229-235. Epub 2019 Jul 10. IF=8.861
21. Ko HK, Lin AH, **Perng DW**, Lee TS, Kou YR. Lung Epithelial TRPA1 Mediates Lipopolysaccharide-Induced Lung Inflammation in Bronchial Epithelial Cells and Mice. Front Physiol. 2020 Nov 17;11:596314. IF=4.566
22. Hu PW, Ko HK, Su KC, Feng JY, Su WJ, Hsiao YH\*, **Perng DW**\*. Functional parameters of small airways can guide bronchodilator use in idiopathic pulmonary fibrosis. Sci Rep. 2020 Oct 29;10(1):18633. IF=4.38
23. Su YF, Yen YF, Yang KY, Su WJ, Chou KT, Chen YM, **Perng DW**. Masks and medical care: Two keys to Taiwan's success in preventing COVID-19 spread. Travel Med Infect Dis. 2020 Jun 4:101780. IF=6.211
24. Chang YL, Ko HK, Lu MS, Chou CL, Su KC, Hsu CC, Chou KT, Chen TJ, **Perng DW**\*, Chou YC\*. Independent risk factors for death in patients admitted for asthma exacerbation in Taiwan. NPJ Prim Care Respir Med. 2020 Mar 19;30(1):7. IF=2.871
25. Su VY, Yang YH, **Perng DW**, Tsai YH, Chou KT, Su KC, Su WJ, Chen PC, Yang KY. Correction for: Real-world effectiveness of medications on survival in patients with COPD-heart failure overlap. Aging (Albany NY). 2019 Oct 7;11(19):8728-8729.
26. Chou KT, Cheng SC, Huang SF, **Perng DW**, Chang SC, Chen YM, Hsu HS, Hung SC. Impact of Intermittent Hypoxia on Sepsis Outcomes in a Murine Model. Sci Rep. 2019 Sep 9;9(1):12900. doi: 10.1038/s41598-019-49381-w.
27. Chen PK, Hsiao YH, Pan SW, Su KC, **Perng DW**\*, Ko HK\*. Independent factors associate with hospital mortality in patients with acute exacerbation of chronic obstructive pulmonary disease requiring intensive care unit admission: Focusing on the eosinophil-to-neutrophil ratio. PLoS One. 2019 Jul 10;14(7):e0218932.
28. Rhee CK, Chau NQ, Yunus F, Matsunaga K, **Perng DW**; on behalf the COPD Assembly of the APSR. Management of COPD in Asia: A position statement of the Asian Pacific Society of Respiriology. Respirology. 2019 Jul 5.
29. Chen PK, Shih CC, Lin FC, **Perng DW**, Chou KT, Kou YR, Ko HK. Prolonged use of noninvasive positive pressure ventilation after extubation among patients in the intensive care unit following cardiac surgery: The predictors and its impact on patient outcome. Sci Rep. 2019 Jul 2;9(1):9539. doi: 10.1038/s41598-019-45881-x.
30. Yang SN, Ko HK, Hsiao YH, Su KC, Chang YL, Huang HY, **Perng DW**\*, Chung MI\*. Long-acting muscarinic antagonist versus long-acting  $\beta_2$  agonist/corticosteroid for moderate to severe chronic obstructive pulmonary disease patients: Exacerbation risk assessment. J Chin Med Assoc. 2019 Jun;82(6):488-494.
31. Su VY, Yang YH, **Perng DW**, Tsai YH, Chou KT, Su KC, Su WJ, Chen PC, Yang KY. Real-world effectiveness of medications on survival in patients with COPD-heart failure overlap. Aging (Albany NY). 2019 Jun 7;11(11):3650-3667. doi: 10.18632/aging.102004.
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33. Lin AH, Liu MH, Ko HK, **Perng DW**, Lee TS, Kou YR. Menthol Cigarette Smoke Induces More Severe Lung Inflammation Than Non-menthol Cigarette Smoke Does in Mice With Subchronic Exposure - Role of TRPM8. Front Physiol. 2018 Dec 18;9:1817. doi: 10.3389/fphys.2018.01817. eCollection 2018.
34. Su VY, **Perng DW**, Chou TC, Chou YC, Chang YL, Hsu CC, Chou CL, Lee HC, Chen TJ, Hu PW. Mucolytic Agents and Statins Use is Associated with a Lower Risk of Acute Exacerbations in Patients with Bronchiectasis-Chronic Obstructive Pulmonary Disease Overlap. J Clin Med. 2018 Dec 4;7(12). pii: E517. doi: 10.3390/jcm7120517. (Taipei City Hospital (10701-62-063) ,VGHTPE V105D10-003-MY2-2).
35. Su VY, Liao HF, **Perng DW**, Chou YC, Hsu CC, Chou CL, Chang YL, Yen JC, Chen TJ, Chou TC. Proton pump inhibitors use is associated with a lower risk of acute exacerbation and mortality in patients with coexistent COPD and GERD. Int J Chron Obstruct Pulmon Dis. 2018 Sep 19;13:2907-2915. 2018. (VGHTPE V105D10-003-MY2-2).
36. Cheng SL, Lin CH, Wang CC, Chan MC, Hsu JY, Hang LW, **Perng DW**, Yu CJ, Wang HC; Taiwan Clinical Trial Consortium for Respiratory Disease (TCORE). Comparison between COPD Assessment Test (CAT) and modified Medical Research



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Council (mMRC) dyspnea scores for evaluation of clinical symptoms, comorbidities and medical resources utilization in COPD patients. J Formos Med Assoc. 2019 Jan;118(1 Pt 3):429-435. doi: 10.1016/j.jfma.2018.06.018. Epub 2018 Aug 25.

37. Su VY, Yang KY, Yang YH, Tsai YH, **Perng DW**, Su WJ, Chou KT, Su KC, Yen YF, Chen PC. Use of ICS/LABA Combinations or LAMA Is Associated with a Lower Risk of Acute Exacerbation in Patients with Coexistent COPD and Asthma. J Allergy Clin Immunol Pract. 2018 Feb 10. pii: S2213-2198(18)30090-4. (MOST 105-2314-B010-041-MY3, MOST 103-2314-B-075-049-MY2, V107C-077, V106C-072, Chang Gung Memorial Hospital, Chiayi Branch (CLRPG6G0041)).
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