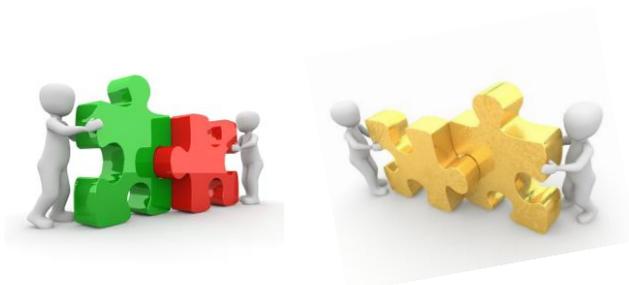




Unite & Work together to build a better
Cardiorespiratory Community of Practice

OCTOBER 2023 NEWSLETTER



Breathe | Pump | Function

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MEET THE NEW
EXECUTIVE
COMMITTEE

MEET OUR EC
MEMBER & MO

UPDATES FROM
THE WORLD
PHYSIOTHERAPY
CONGRESS 2023

ICCRPT RESOURCES

SAVE THE DATE!

Editorial Board

Editor:
Dr. Anna Christakou

Members:
Dr. Harriet Shannon
Dr. Shirley Ngai
Dr. Yu-Jung Cheng

Meet The New Executive Committee (2023-2027)

We are pleased to introduce our new Executive Committee (2023-2027)

Position	Name	Member Organization	Region
President	Dr. Shirley NGAI	Hong Kong	AWP
Vice President	Dr. Anna CHRISTAKOU	Greece	EUROPE
Secretary	Dr. Yu-Jung CHENG	Taiwan	AWP
Treasurer	Dr. Alison LUPTON-SMITH	South Africa	AFRICA
Membership Subcommittee			
Lead	Dr. Anri Human	South Africa	AFRICA
Co-Lead	Dr. Alison LUPTON-SMITH	South Africa	AFRICA
Member	Dr. Simone GRUENIG	Canada	NORTH AMERICA
	Dr. Astuyoshi KAWAGOSHI	Japan	AWP
Education Subcommittee			
Lead	Dr. Anna CHRISTAKOU	Greece	EUROPE
Co-Lead	Dr. Shirley NGAI	Hong Kong	AWP
Member	Dr. Harriet SHANNON	UK	EUROPE
	Dr. Yu-Jung CHENG	Taiwan	AWP
Communication Subcommittee			
Lead	Dr. Harriet SHANNON	UK	EUROPE
Co-Lead	Dr. Yu-Jung CHENG	Taiwan	AWP



Recruitment of Volunteers

If you're interested in serving as a working group member for any subcommittee, please feel free to contact our subcommittee lead!

Meet our EC – Dr. Yu-Jung Cheng (Taiwan, AWP)

Yu-Jung Cheng completed her Bachelor of Science in 1998 and her Ph.D in Institute of Basic Medical Science in 2006 at Cheng Kung University, Taiwan.

She continued her post-doctoral research in same lab for another two years, and then worked for “EU stroke” project at Institute of Physiological Chemistry and Pathobiochemistry in Münster University, Germany on 2008.

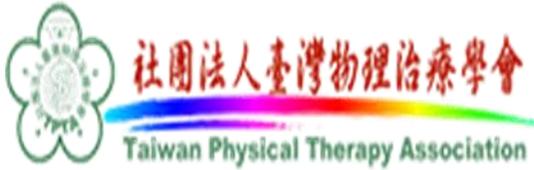


Since 2009 she has been Assistant Professor of Department of Physical Therapy at the China Medical University in Taiwan. She is the instructor of Cardiopulmonary physical therapy and also in charge of clinical placement of Cardiopulmonary physical therapy.

She has clinical service of cardiac rehabilitation at Department of Rehabilitation of China Medical University Hospital. In addition to teaching and clinical work, her research is quite basic due to her research experience. She focuses on using different animal models of human diseases to evaluate the effects of physical therapy. She also has international affair experience, had host AWP-WCPT congress on 2013. She has been deputy secretary general and member of international affair committee of Taiwan Physical Therapy Association since 2013. She has a lot connection and research collaborations with Japan. After her effort, she sent students to Japan for clinical placement each year since 2016. She is thrilled to contribute her expertise, background, and passion for cardiorespiratory physiotherapy practice to the ICCrPT executive.



Meet Our MO – Taiwan, AWP



Cardiorespiratory Physiotherapy Specialty in Taiwan

Cardiorespiratory physiotherapy in Taiwan has gained significant recognition for its holistic approach to treating patients with cardiac/respiratory condition or other acute situations. The nation’s healthcare system has fostered a collaborative environment, enabling physiotherapists to work closely with medical professionals to design tailored exercise programs and rehabilitation strategies for individuals with various cardiorespiratory issues.

In Taiwan, cardiorespiratory PT practitioners emphasize the active and comprehensive treatments to improve patient outcomes. For example, heart failure was included into “Post-Acute-Care” system since 2017. Through serial training programs for multiple disciplines, cardiorespiratory PTs are more integrated into teams and work with

other specialties to improve the condition of heart failure patients.

Moreover, due to the increasingly serious aging of society, government pays more attention to the participation of cardiorespiratory physical therapy in the health system. As well as other subgroup, the cardiopulmonary physical therapy specialty in Taiwan is also contributing promotion of physical therapy education.

We have finished gathering the information of essential cardiopulmonary education elements from all entry-level units. Through this, we generated strategies and guidelines for the promotion of professional development in the cardiopulmonary specialty.

Recently, health professional educations in Taiwan we discuss using core “Entrustable Professional Activities (EPAs)” to evaluate advanced practice experience. Thus, cardiopulmonary PTs, including educators and clinicians, held several seminars and workshops to discuss how to establish assessment tools based on EPAs principles.



The cardiopulmonary PTs in
Taiwan stays to promote
cardiopulmonary physiotherapy service
and education.

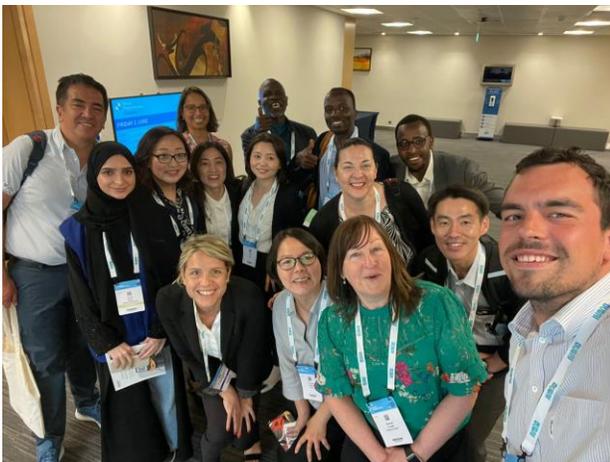
Highlights from World Physiotherapy Congress 2023

ICCrPT Networking Session

Date: 2nd June, 2023

Venue: Dubai World Trade Centre

We are excited to see more than 30 congress delegates from 21 countries/ regions, including Australia, Brazil, Belgium, Canada, China, Columbia, Greece, Hong Kong, India, Italy, Japan, Malaysia, Netherlands, Portugal, Rwanda, Singapore, South Africa, South Korea, Taiwan, UAE, Vietnam etc, attended the ICCrPT networking session to discuss issues of education and professional practice in the field of cardiorespiratory physiotherapy. The ICCrPT EC treasures the feedback and issues raised in the area of education and professional practice and will discuss these issues in our forthcoming EC meetings.



ICCrPT Networking Booth & meetings at Congress

Date: 2nd - 4th June, 2023

Venue: Dubai World Trade Centre

We have set up a networking booth to meet delegates joining the congress!



Dr. Yu-Jung Cheng & Prof. Brenda O'Neill (our EC members) introduced ICCrPT and answer enquires with other congress



Prof. Brenda O'Neill and Dr. Anna Christokov (our EC members) introduced ICCrPT and answer enquires with other congress



Dr. Anna Christakou, Prof. Brenda O'Neill, Dr. Harriet Shannon and Dr. Shirley Ngai hosted the booth.



Dr. Anna Christakou, Prof. Brenda O'Neill, Dr. Atsuyoshi Kawagoshi, Dr. Shirley Ngai and Dr. Yu-Jung Cheng had our first face-to-face EC meeting.

Meeting Our ICCrPT Presidents

(From Left to Right)

Dr. Shirley Ngai (2023-2027)

Prof. Brenda O'Neill (2019-2023)

Dr. Shane Patman (2011-2019)



ICCrPT Best Poster Award

Announcement Date: 4th June, 2023

Venue: Dubai World Trade Centre



**Congratulations to Monira Aldhahi
(Saudi Arabia)**

for getting ICCrPT Best Poster Award at
World Physiotherapy Congress 2023!

ICCrPT RESOURCES TOWARDS KNOWLEDGE TRANSFER

Respiratory Journals

- European Respiratory Journal
<http://erj.ersjournals.com/>
- European Respiratory Review
- Thorax <http://thorax.bmj.com/>
- BMJ Open Respiratory Research
http://bmjopenrespres.bmj.com/?utm_source=Internal+ad%20&utm_medium=Banner&utm_campaign=20151012_BORR&utm_content=leaderboard&utm_term=
- CHEST
<http://journal.publications.chestnet.org/>
- BMC Pulmonary Medicine
<https://bmcpulmed.biomedcentral.com/>
- Respiratory Research
<http://www.respiratory-research.com/>
- Respiratory Care <http://rc.rcjournal.com/>
- Respiratory Medicine
<http://www.resmedjournal.com/>
- Pediatric Pulmonology
<http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291099-0496/issues>
- Pediatric Critical Care Medicine
<http://journals.lww.com/pccmjournal/Pages/default.aspx>
- Journal Intensive Care Medicine
<https://uk.sagepub.com/en-gb/eur/journal/journal-intensive-care-medicine>
- Intensive Care Medicine
<http://icmjournal.esicm.org/index.html>
- Critical Care
<https://ccforum.biomedcentral.com/>
- The Lancet Respiratory medicine
<https://www.journals.elsevier.com/the-lancet-respiratory-medicine>
- COPD: Journal of COPD
<https://www.tandfonline.com/loi/icop20>

Upcoming cardiorespiratory congresses and seminars

- 32nd Panhellenic Pulmonary Congress; 7-10 December 2023 <https://hts.org.gr/>
- 27th Congress of the Asian Pacific Society Respiratory 2023; 16-19 November 2023, Singapore
<https://apsresp.org/congress/2023.htm>
- 136th International Conference of Korean Academy of Tuberculosis and Respiratory Diseases KATRD International Conference (KATRDIC); 9-10 November 2023 Seoul, Republic of Korea <https://katrdic.org>
- 15th International Chronic Obstructive Pulmonary Disease Conference; 20-21 Nov 2023 Dubai, United Arab Emirates
<https://copd.insightconference.com>
- Autumn Congress Netherlands Society of Cardiology NVVC-NVT; 2-3 November 2023
<https://4pulse.nl/Congressen/homepage>
- 29th Turkish Cardiology Congress Annual Congress of the Turkish Society of Cardiology; 8-10 November 2023
<https://tkd.org.tr/en/menu/12/congresses-and-scientific-meetings>
- European Heart Rhythm Association (EHRA) Ablation of Ventricular Arrhythmias Seminar Athens, Greece; 16-18 November 2023
<https://esc365.escardio.org/event/1087>
- 17th November Heart Failure Association (HFA) of the European Society of Cardiology (ESC) Clinical Trials in Heart Failure Course
<https://esc365.escardio.org/event/>
- International Conference of the ESC Council on Stroke ESC Heart & Stroke 2023 United Kingdom of Great Britain and Northern; 2-3 December
<https://www.escardio.org/Councils/Council-on-Stroke/esc-heart-stroke-2023>
- 12th Annual Johns Hopkins Critical Care Rehabilitation Conference; 8-11 Nov 2023

<https://iii.hm/johnshopkins2023>

- Critical Care Canada Forum CCCF2023; 28 Nov - 1 Dec 2023 <https://iii.hm/cccf23>
- 19th Panhellenic Conference on Intensive Care 13-16 December 2023
<https://www.icu.gr/el/>

Topical publications in Cardiorespiratory practice

The ICCrPT Knowledge Translation Committee has chosen to highlight the following 2023 publications relevant to Cardiorespiratory Physiotherapy Practice:

Cystic Fibrosis

- Darabseh MZ, Aburub A, Davies S. The Effects of Virtual Reality Physiotherapy Interventions on Cardiopulmonary Function and Breathing Control in Cystic Fibrosis: A Systematic Review. *Games Health J.* 2023;12(1):13-24.
doi:10.1089/g4h.2022.0137

Asthma

- Lista-Paz A, Bouza Cousillas L, Jácome C, et al. Effect of respiratory muscle training in asthma: A systematic review and meta-analysis. *Ann Phys Rehabil Med.* 2023;66(3):101691.
doi:10.1016/j.rehab.2022.101691

Bronchiectasis

- Lee AL. Physiotherapy management of bronchiectasis in adults. *J Physiother.* 2023;69(1):7-14.
doi:10.1016/j.jphys.2022.11.013



Cardiac

- Bherer L, Besnier F, Blanchette CA. Benefits of Cardiac Rehabilitation Programs, Physical Exercise, and Cognitive Training on Cognitive Deficits in Cardiovascular Diseases. *Can J Cardiol.* 2023;39(2):222-224. doi:10.1016/j.cjca.2022.10.030

Cardiorespiratory

- Ozemek C, Arena R, Rouleau CR, et al. Long-Term Maintenance of Cardiorespiratory Fitness Gains After Cardiac Rehabilitation Reduces Mortality Risk in Patients With Multimorbidity. *J Cardiopulm Rehabil Prev.* 2023;43(2):109-114. doi:10.1097/HCR.0000000000000734

COPD

- Ammous O, Feki W, Lotfi T, et al. Inspiratory muscle training, with or without concomitant pulmonary rehabilitation, for chronic obstructive pulmonary disease (COPD). *Cochrane Database Syst Rev.* 2023;1(1):CD013778. Published 2023 Jan 6. doi:10.1002/14651858.CD013778.pub2
- Alqahtani JS, Aldhahir AM, Alghamdi SM, et al. A systematic review and meta-analysis of heart rate variability in COPD. *Front Cardiovasc Med.* 2023;10:1070327. Published 2023 Feb 17. doi:10.3389/fcvm.2023.1070327
- Zanaboni P, Dinesen B, Hoas H, et al. Long-term Telerehabilitation or Unsupervised Training at Home for Patients with Chronic Obstructive Pulmonary Disease: A Randomized Controlled Trial. *Am J Respir Crit Care Med.* 2023;207(7):865-875. doi:10.1164/rccm.202204-0643OC
- Xiong T, Bai X, Wei X, et al. Exercise Rehabilitation and Chronic Respiratory Diseases: Effects, Mechanisms, and Therapeutic Benefits. *Int J Chron Obstruct*

Pulmon Dis. 2023;18:1251-1266. Published 2023 Jun 19. doi:10.2147/COPD.S408325

Critical Care

- García-Pérez-de-Sevilla G, Sánchez-Pinto Pinto B. Effectiveness of physical exercise and neuromuscular electrical stimulation interventions for preventing and treating intensive care unit-acquired weakness: A systematic review of randomized controlled trials. *Intensive Crit Care Nurs.* 2023;74:103333. doi:10.1016/j.iccn.2022.103333
- Nicholls DA, Ahlsen B, Bjorbækmo W, et al. Critical physiotherapy: a ten-year retrospective [published online ahead of print, 2023 Sep 9]. *Physiother Theory Pract.* 2023;1-13. doi:10.1080/09593985.2023.2252524
- Thomas P, Chaseling W, Marais L, Matheson C, Paton M, Swanepoel N. Physiotherapy services in intensive care. A workforce survey of Australia and New Zealand. *Aust Crit Care.* 2023;36(5):806-812. doi:10.1016/j.aucc.2022.11.004
- de Paula MAS, Carvalho EV, de Souza Vieira R, et al. Effect of a structured early mobilization protocol on the level of mobilization and muscle strength in critical care patients: A randomized clinical trial [published online ahead of print, 2023 Jul 7]. *Physiother Theory Pract.* 2023;1-10. doi:10.1080/09593985.2023.2233097

CF

- Sayed MA, El-Sherif RM, Ismail A, Abou Warda AE, Mohamed AR, El-Sherif AA. Effect of low-level laser physiotherapy on left ventricular function among patients with chronic systolic heart failure. *Egypt Heart J.* 2023;75(1):12. Published 2023 Feb 13. doi:10.1186/s43044-023-00337-6

- Lopes I, Delgado B, Costa P, Padilha JM. Aerobic and resistance exercise in heart failure inpatients: a scoping review. *Heart Fail Rev.* 2023;28(5):1077-1089. doi:10.1007/s10741-023-10311-8

Lung cancer

- Whish-Wilson GA, Edbrooke L, Cavalheri V, et al. Physiotherapy and Exercise Management of People Undergoing Surgery for Lung Cancer: A Survey of Current Practice across Australia and New Zealand. *J Clin Med.* 2023;12(6):2146. Published 2023 Mar 9. doi:10.3390/jcm12062146.
- Hou W, Zhai L, Yang Y, et al. Is physical activity effective against cancer-related fatigue in lung cancer patients? An umbrella review of systematic reviews and meta-analyses. *Support Care Cancer.* 2023;31(3):161. Published 2023 Feb 13. doi:10.1007/s00520-023-07627-4

Paediatric rehabilitation

- Roqué-Figuls M, Giné-Garriga M, Granados Rugeles C, Perrotta C, Vilaró J. Chest physiotherapy for acute bronchiolitis in paediatric patients between 0 and 24 months old. *Cochrane Database Syst Rev.* 2023;4(4):CD004873. Published 2023 Apr 3. doi:10.1002/14651858.CD004873.pub6
- Meng L, Wei Q, Tsang RCC, Peng P, Pang X, Yang L. Pediatric Rehabilitation Therapy and Physiotherapy Education in China. *Phys Occup Ther Pediatr.* 2023;43(1):93-108. doi:10.1080/01942638.2022.2099234
- Benz C, Middleton A, Elliott A, Harvey A. Physiotherapy via telehealth for acute respiratory exacerbations in paediatric cystic fibrosis. *J Telemed Telecare.* 2023;29(7):552-560. doi:10.1177/1357633X21998205

Pulmonary rehabilitation

- Troosters T, Janssens W, Demeyer H, Rabinovich RA. Pulmonary rehabilitation and physical interventions. *Eur Respir Rev.* 2023;32(168):220222. Published 2023 Jun 7. doi:10.1183/16000617.0222-2022
- He W, Wang J, Feng Z, Li J, Xie Y. Effects of exercise-based pulmonary rehabilitation on severe/very severe COPD: a systematic review and meta-analysis. *Ther Adv Respir Dis.* 2023;17:17534666231162250. doi:10.1177/17534666231162250
- Frei A, Radtke T, Dalla Lana K, et al. Effectiveness of a Long-term Home-Based Exercise Training Program in Patients With COPD After Pulmonary Rehabilitation: A Multicenter Randomized Controlled Trial. *Chest.* 2022;162(6):1277-1286. doi:10.1016/j.chest.2022.07.026

Save the dates!

Annual Member Forum in Late Feb 2024!

