

## Nontanat Sathaporn, M.sc., PT

\*\*\*\*\*

Department of Physical Therapy  
School of Integrative Medicine, Mae Fah Luang University  
333 Moo 1, Thasud, Muang, Chiang Rai, 57100, Thailand  
Tel: +6653917223  
Email: nontanat.sat@mfu.ac.th



---

### Education

|         |   |
|---------|---|
| Present | <b>Doctor of Philosophy in Medical Physiology (International program)</b><br>Mahidol University, Bangkok, Thailand          |
| 2018    | <b>Master of Science in Physical Therapy</b><br>Khon Kaen University, Khon Kaen, Thailand                                   |
| 2014    | <b>Bachelor of Science in Physical Therapy (2<sup>nd</sup> class honors)</b><br>Chiang Mai University, Chiang Mai, Thailand |

---

### Positions

|                |  |
|----------------|--|
| 2021 - Present | <b>Lecturer</b><br>School of Integrative Medicine, Mae Fah Luang University  |
| 2018 - 2021    | <b>Physical Therapist (Part-time)</b><br>The Move Club Physical Therapy Clinic, Bangkok, Thailand  |
| 2017 - 2018    | <b>Physical Therapist (Part-time)</b><br>Office for Medical Technology and Physical Therapy Health Service,<br>Faculty of Associated Medical Science, Khon Kaen University,<br>Khon Kaen, Thailand |
| 2015 - 2018    | <b>Physical Therapist (Part-time)</b><br>Bangkok Hospital Khon Kaen, Khon Kaen, Thailand   |
| 2014 - 2016    | <b>Physical Therapist (Part-time)</b><br>Paiboon Physical Therapy Clinic, Khon Kaen, Thailand  |

---

### Skills

|      |  |
|------|--|
| 2021 | CEFR levels: B2 (Independent user -Vantage), Toefl ITP |
|------|--|

---

### Awards

|      |   |
|------|---|
| 2018 | <b>Best Innovation and Creativity Award</b><br>for the article "Appropriate sensor size for blood pressure<br>measurement with a new non-invasive continuous blood pressure |
|------|---|

monitoring (KKU-KMITL NICBP)" in the 12th Research Administrative Network Conference (RANC 2018); 2018 May 27-29.

---

### Specialization

---

- Cardiovascular autonomic function assessment (HRV, BPV, BRS, Ewing's battery)
  - Cardiovascular physiology
  - Cardiopulmonary rehabilitation
  - Exercise physiology in chronic diseases (e.g., COPD, post-COVID)
  - Non-invasive hemodynamic monitoring
- 

### Course Taught

---

- Physiology of Exercise
  - Pharmacology for Physical Therapy
  - Cardiopulmonary Physical Therapy I & II
  - Exercise for Noncommunicable Disease Prevention
  - Special Project (Undergraduate Research)
  - Clinical Practicum in Physical Therapy (1-6)
- 

### Publications

---

- 2026 **Sathaporn N**, Prasompon A, Pipatbanjong P, Panwong W, Kluayhomthong S. Validity and reliability of the Res-Rhythm: a prototype portable respiratory rate measurement system in healthy subjects. *J Med Health Sci.* 2026; ;33(1):18-25.
- 2025 Anupim T, **Sathaporn N**. A comparative study of functional independence in activities of daily living among patients with moderate to severe traumatic brain injury undergoing intermediate care: network-based vs telemedicine follow-up. *Chiangrai Med J.* 2025;17(3):1-11.
- 2025 **Sathaporn N**, Timinkul A, Panwong W, Pipatbanjong P, Dangwisut T, Phusabsin P, Promjun K, Kluayhomthong S. Comparison of the head-up tilt test and the 10-minute NASA lean test for assessing blood pressure and heart rate responses in young individuals with postacute COVID-19 syndrome. *Blood Press Monit* 2025; 30(4); 153-60.
- 2025 Kluayhomthong S, **Sataporn N**, Areeudomwong P, Pimpasak C, Inkamdang M, Prechamart P, Panwong W, Buttagat V. Effects of a two-day pulmonary rehabilitation program on patients with acute exacerbation of chronic obstructive pulmonary disease: A randomized controlled trial. *J Health Sci Med Res.* 2025;e20251162.
- 2024 Timinkul A, Yeekob T, Khankham A, Anansuphamongkol P, **Sathaporn N**. Correlation between caffeinated beverage consumption and nicotine

dependence in Chiang Rai smokers. Research and Development Health System Journal 2024; 17(3); 16-24.

- 2019 **Sathaporn N**, Panwong W, Wungpila P, Chitsakul K, Jones CU. Study of validity and intra-rater reliability of a new noninvasive continuous blood pressure monitor (KKU-KMITL NICBP) in cardiovascular model and human. Srinagarind Med J 2019; 34(4); 336-43.
- 

### **Proceeding**

---

- 2025 **Sathaporn N**, Chuchomchuen R, Kitcharak R, Pinyo S, Kluayhomthong S, Panwong W, Piputbanjong P. Heart rate and blood pressure responses to breathing exercise with different types of incentive spirometer in young healthy Adults [Abstract]. In: Proceedings of The 11th International Physical Therapy Research Symposium 2025; 2025 June 6; Nakhon Pathom, Thailand. Nakhon Pathom: Faculty of Physical Therapy, Mahidol University; 2025. p265-6.
- 2025 Panwong W, Kongkratok S, **Sathaporn N**, Kluayhomthong S. Association between ambient fine particulate matter and pulmonary function in healthy volunteers in Chiang Rai, Thailand. In: Proceedings of the Cosmetic and Beauty International Conference (CBIC) 2025 & International Conference on Integrative Medicine (ICIM) 2025; 2025 Jan 16-17; Chiang Rai, Thailand.
- 2024 Seubjui T, Niamploy N, Akaranavaseri S, **Sathaporn N**, Buttagat V, Kluayhomthong S. Effects of aerobic exercise and resistance exercise on cardiopulmonary endurance in individuals with post COVID-19 syndrome [Abstract]. In: Proceedings of 12th National Physical Therapy Conference 2024; 2024 June 5-7; Bangkok, Thailand. Bangkok: Physical Therapy Association of Thailand; 2024. p.26-7.
- 2024 Wichiankul C, Praykaew N, Samran A, Pipatbanjong P, Kluayhomthong S, **Sathaporn N**. Effects of spot marching exercise on orthostatic blood pressure and heart rate changes in individuals with post COVID-19 syndrome [Abstract]. In: Proceedings of 12th National Physical Therapy Conference 2024; 2024 June 5-7; Bangkok, Thailand. Bangkok: Physical Therapy Association of Thailand; 2024. p.25.
- 2024 **Sathaporn N**, Watanapa WB, Chuaychoo B, Kulapatana S, Suraprapapich P, Ketpan W, Yeunyong S, Tangluang S, Rattanaengloet K. Cardiovascular autonomic function changes in chronic obstructive pulmonary disease [Abstract]. In: Proceedings of Graduate Research Forum 2024; 2024 May 28, June 6; Bangkok, Thailand. Bangkok: Faculty of Medicine Siriraj Hospital; 2024.
- 2018 **Sathaporn N**, Panwong W, Wungpila P, Chitsakul K, Jones CU. Appropriate sensor size for blood pressure measurement with a new non-invasive continuous blood pressure monitoring (KKU-KMITL NICBP). In: Lower Southern Region Network, editors. Proceedings of the 12th Research Administrative

Network Conference (RANC 2018); 2018 May 27-29; Trang, Thailand. Muang Trang: Lower Southern Region Network; 2018. P.1551-61.

---

### **Further Education**

---

- 2023 Provider Course of Basic Life Support for Lay Rescuer by Siriraj Medical Simulation Center for Education and Training (SiMSET), 19 May 2023, Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand.
  - 2022 CITI Training for Human Subjects Research in Biomedical Research.
  - 2022 CITI training for Good Clinical Practice in Biomedical Research.
  - 2019 Human research ethics training by Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand.
  - 2016 Assessment of Lung Function with Spirometry Workshop by Thoracic Society of Thailand under Royal Patronage, 11-15 January 2016, Srinagarind Hospital, Khon Kaen, Thailand.
- 

### **Experience**

---

- 2014 Sport Physical Therapist of Khon Kaen University Team in The 21st Graduate's Student Sport of Thailand, 20-21 December 2014, Mahidol University, Salaya Campus, Nakhon Pathom, Thailand.