

TTSH SPIROMETRY TRAINING COURSE 2026



SATURDAY, 18 APRIL 2026 | 08:30AM – 12:30PM
TTSH MEDICAL BLOCK, LEVEL 4
RESPIRATORY FUNCTION LABORATORY, CLINIC 4A

SYNOPSIS

Spirometry, the most performed pulmonary function test, plays a crucial role in the diagnosis and management of respiratory disorders. By assessing ventilatory capacity via a series of forced exhalation manoeuvres, spirometry provides valuable insights into one's lung function. However, achieving accurate results requires high quality spirometry testing.

This TTSH Spirometry Training Course is designed to equip participants with the necessary skills to conduct and interpret high-quality spirometry tests, based on the latest guidelines on test performance, report standardisation and result interpretation which had emerged in recent years.

LEARNING OBJECTIVES

- Understand the fundamentals of spirometry and its role in diagnosing respiratory conditions
- Perform accurate spirometry tests with hands-on experience and proper patient preparation
- Analyse and interpret spirometry results, identifying normal and abnormal lung function
- Recognise common testing errors and apply troubleshooting techniques
- Apply spirometry results in clinical decision-making for optimal patient care.

TARGET AUDIENCE

Healthcare professionals, doctors, nurses, technicians and research coordinators, involved in the diagnosis, treatment, and care of patients with respiratory disorders.



TRAINING ROADMAP

A **PRE-COURSE READING**
Resources will be sent to participants via email upon successful registration and payment.

Certificate of Attendance | Half-Day Session; Limited Slots

B **LECTURES & PRACTICUM**

- Introduction to Spirometry
- Conduct of Spirometry & its Variation
- Reporting Standards
- Spirometry Interpretation
- Experience Spirometry
- Common Artefacts in Spirometry
- Quiz and Case Discussion

Certificate of Competency

C **ATTACHMENT** Optional; SGD 250 (two sessions)

RESPIRATORY FUNCTION LABORATORY

Participants who are keen to achieve competence in spirometry testing can arrange laboratory attachments. During these half-day blocks, participants will have opportunity to observe and conduct spirometry tests on clinical patients under the direct supervision of our experienced lab staff. A logbook of 10 satisfactory spirometry tests is required to attain the Certificate of Competency.

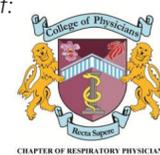
REGISTER HERE:
for.sg/spiro2026

COURSE FEES & CLOSING:
SGD 250 (Early Bird: 31 JAN 2026)
SGD 300 (Standard: 31 MAR 2026)

Organised by the Department of Respiratory & Critical Care Medicine

For queries, please email us at
ttsh.Respiratory.Function.Lab@nhghealth.com.sg

Under the auspices of:



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SPEAKERS & TRAINERS



Dr Tan Geak Poh

MBChB (Dundee), MRCP (UK), FAMS, FRCP (Edin)

Senior Consultant, Respiratory & Critical Care Medicine, Tan Tock Seng Hospital

Dr Tan is a Senior Consultant at the Department of Respiratory and Critical Care Medicine. His primary interest is in the field of pulmonary physiology, sleep, and non-invasive ventilation. Dr Tan is currently the Clinical Lead of the Respiratory Function Laboratory at Tan Tock Seng Hospital and is involved in the development of the Chapter of Respiratory Medicine office spirometry guideline.



Ms Qi Danqing

Principal Respiratory Lab Technologist

Respiratory Function Laboratory, Tan Tock Seng Hospital

As the Principal Respiratory Lab Technologist at TTSH, Danqing has over 20 years of experience in lung function testing such as Spirometry, Diffusing Capacity for Carbon Monoxide (DLCO), Plethysmography, Fractional Exhaled Nitric Oxide (FeNO), Cardiopulmonary Exercise Test (CPET), etc. Her dual expertise in both respiratory function and sleep studies as a Registered Polysomnographic Technologist™ (RPGST) sets her apart as a leader in the field.



Ms Yusmarita Bte Mohd Yusoff

Senior Respiratory Lab Technologist

Respiratory Function Laboratory, Tan Tock Seng Hospital

A Senior Respiratory Lab Technologist with over 20 years of expertise, Rita is proficient in advanced lung function tests such as Spirometry, DLCO, Plethysmography, FeNO, and CPET. Her vast knowledge ensures the highest standards in respiratory diagnostics.



Ms Tai Jia Yu

Respiratory Lab Technologist, Respiratory Function Laboratory, Tan Tock Seng Hospital

A Respiratory Lab Technologist at TTSH, Jia Yu bring a wealth of experience to the field. Jia Yu is also a Registered Polysomnographic Technologist™ (RPGST) specialising in sleep studies, enhancing TTSH's capacity for comprehensive patient care.



Mr Ong Shu Hau

Senior Respiratory Lab Technician, Respiratory Function Laboratory, Tan Tock Seng Hospital

Shu Hau is an experienced Senior Respiratory Lab Technician specialising in advanced pulmonary diagnostics, lab operations, and mentoring, ensuring accurate results and patient care.



Ms Nur Diyaningsih Bte Amrun

Senior Respiratory Lab Technician, Respiratory Function Laboratory, Tan Tock Seng Hospital

Diyan is a skilled Senior Respiratory Lab technician proficient in conducting pulmonary tests and supporting clinical assessments, committed to precision and patient comfort.

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