

Report on the Paediatric Home Respiratory Care Workshop Made Simple,

Breathe Easy, Live Better

30th – 31st October 2025

Venue: Auditorium, Level 3, Hospital Sultan Idris Shah, Serdang

The Paediatric Home Respiratory Care Workshop 2025 was successfully held at Hospital Sultan Idris Shah, Serdang, under the theme “Made Simple. Breathe Easy, Live Better.” This workshop aimed to equip healthcare professionals with essential knowledge and hands-on skills in paediatric home respiratory support, promoting safe, effective, and family-centred care for children requiring long-term ventilation at home.

The Organizing Committee was led by Dr Dg Zuraini Sahadan who produced excellent topics of lectures and skill workshops. Together with the collective contributions of other seventeen members of the committee, we had successfully run the 2-day workshop. The event recorded an excellent turnout of 108 participants, comprising of paediatricians, paediatric respiratory fellow, medical officers, nurses and allied health staff from across Malaysia. Notably, the workshop also welcomed 6 international participants from Indonesia, reflecting growing regional interest and collaboration in paediatric respiratory care. In addition, 10 industry vendors participated, showcasing the latest technology and equipment in respiratory support and home ventilation.

The workshop commenced with the arrival of the Deputy Director of Hospital Sultan Idris Shah, Serdang, Dr. Noreen Ho, followed by a video montage showcasing the Paediatric Respiratory Team's service journey and achievements. The opening ceremony continued with an inspiring opening speech by Dr. Noreen Ho, who emphasized the importance of empowering healthcare teams in paediatric home respiratory care. The ceremony concluded with a symbolic opening gimmick — turning on the ventilator — to mark the official launch of the workshop.

Scientific and Academic Highlights

The lectures of the Paediatric Home Respiratory Care Workshop 2025 featured a dynamic blend of topics and hands-on sessions, covering essential aspects of paediatric home respiratory management. The day began with a keynote lecture on the Journey of Paediatric Home Respiratory Care in Malaysia by Dr. Dayang Zuraini, highlighting national efforts and milestones in developing home ventilation services for children.

Dr. Nor Diyana then delivered a basic session on the Fundamentals of Home Respiratory Care and Ventilation Modalities, simplifying complex ventilation principles and demonstrating practical approaches for initiating home CPAP and BiPAP therapy. After a brief refreshment break, Dr. Anita presented the Clinical Principles of Home Oxygen Therapy, emphasizing indications of long term oxygen therapy, oxygen titration and safety precautions.

The mid-morning sessions continued with MA Nabil sharing his practical experience in Home Assessment for Home Respiratory Care, followed by Dr. Neo Yan Yi who detailed a structured approach to Comprehensive Discharge Planning and Caregiver Education. Dr. Hasliza later discussed Safe Transitions: Monitoring and Weaning from Home Respiratory Support, focusing on readiness criteria and post-discharge follow-up.

A fun and engaging quiz session was led by Dr. Huda and Dr. Shahrul, with three lucky winners walking away with special prizes. This was followed by a lunch symposium with vendor booths, the afternoon resumed with Norliyaspinah binti Shamsuddin presenting Tracheostomy and Gastrostomy Care from Nursing Perspective, highlighting the vital role of nursing in ensuring patient safety and caregiver empowerment.

The day concluded with an extensive Skills Station, where participants rotated through eight hands-on modules, including oxygen equipment setup and safety, CPAP and BiPAP use, tracheostomy emergency response, interface troubleshooting, airway clearance devices (Cough Assist, Acapella, Aerobika, HFCWO/LEGA), and home ventilator management.

The second day of the Paediatric Home Respiratory Care Workshop 2025 focused on advanced topics and multidisciplinary approaches to long-term ventilation. The morning began with Dr. Saari presenting Pulmonary Rehabilitation for Patients with Home Respiratory Care, emphasizing exercise, airway clearance, and quality-of-life strategies. Dr. Nor Diyana followed with Balancing Nutrition and Safety: Feeding and Aspiration in Children on Home Respiratory Support, highlighting practical approaches to achieving nutrition goals within fluid and aspiration safety limits.

After a brief tea symposium and booth visit, Dr. Thavani delivered an interactive talk and simplified concepts on Strategies for NIV in Acute Exacerbations of Chronic Respiratory Disorders, followed by Dr. Dayang Zuraini's lecture on Better Nights, Better Breathing: NIV in Sleep-Disordered Breathing, emphasizing diagnosis and management of OSA. Dr. Tan Yee Yen then shared insights on Optimizing Non-Invasive Ventilation in Neuromuscular Disorders, focusing on personalized settings and improving long-term outcomes.

A fun quiz session led by Dr. Huda and Dr. Shahrul kept participants engaged before the Certificate and Prize-Giving Ceremony, recognizing winners and contributors. After lunch and Friday prayers, the workshop concluded with a Small Group Discussion led by the paediatric respiratory physicians, focusing on difficult NIV cases and problem-solving in real clinical scenarios. The session encouraged peer learning and critical thinking, marking a strong and interactive end to the two-day workshop.

Industry and Collaboration

A key feature of the workshop was the active participation from medical device and healthcare industry partners, who showcased their latest devices in respiratory care and facilitated valuable networking opportunities. Additionally, the workshop was greatly supported by travel grants from the Malaysian Thoracic Society (MTS), which enabled participation from healthcare professionals across the country, including those from district and central hospitals. This support helped empower the growth of paediatric home respiratory care beyond tertiary centres, ensuring broader access to knowledge and skill development nationwide.

Participant Engagement and Feedback

Participant feedback indicated that the workshop content was highly regarded, with many praising the quality of lectures, hands-on sessions, and overall organisation. Suggestions for future sessions included increasing interactive elements and extending the skill stations over two days to allow for more in-depth practice and hands-on learning. While participants

expressed strong appreciation for the learning experience, several also requested access to the lecture materials for continued reference and self-directed learning.

Recognition and Appreciation

The organizing committee extends sincere appreciation to Dr Ani Suraya Ghani, head of Paediatric Department, Hospital Sultan Idris Shah, all facilitators, supporting departments, and industry partners for their dedication and commitment. Special thanks to the Malaysian Thoracic Society (MTS) for their support and endorsement, and to the participants for their enthusiasm and active engagement.

Conclusion

The Paediatric Home Respiratory Care Workshop 2025 achieved its objectives in simplifying complex concepts and empowering healthcare providers to deliver safer, more effective home respiratory support for children. The success of this workshop underscores the importance of continuous professional development and collaborative learning in advancing paediatric respiratory care.

Prepared by,

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Hospital Sultan Idris Shah Serdang