

## ResMed India conducts educational training on Non- Invasive Ventilation

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ResMed India recently conducted one-day workshop on the application of Non- invasive ventilation in hospital and homecare environment in New Delhi. More than 30 young and aspiring chest Physicians/ pulmonologists attended this workshop.

Resmed is involved in the development, manufacturing, and marketing of innovative medical products for the treatment and management of respiratory disorders with a focus on sleep-disordered breathing.

ResMed Academy is the clinical arm of ResMed in India that conducts educational workshops for medical experts throughout the year in the fields of NIV and Sleep for education and patient benefit.

This workshop covered both theoretical and hands-on learning on the application of Non-invasive ventilation across a variety of patients in various types of respiratory failure including Hypoxemic failure, Chronic care, NIV Guidelines etc.

Non- invasive ventilation is the airway support system through an interface such as full face mask which gives positive end-expiratory pressure and improves ventilation – and is very effective in managing various forms of respiratory failure, especially COPD.

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Patients benefit from NIV as it provides pressure support and which assists patient's breathing to enable more volume to enter into their lungs in a shorter period of time. This decreases their work of breathing (WOB) which lowers their respiratory rate and allows more time to exhale.

The workshop was headed by Dr. Animesh Arya, Senior Pulmonologist & Sleep Specialist, Action Balaji followed by Dr Bharat Gopal, Dr PP Bose and Dr Arunesh Kumar from Maharaj Agrasen, National Heart Institute and Paras Hospital

respectively, who are experts in the field of Non- Invasive ventilation.

Dr Arya spoke about the indications and Goals of NIV whereas Dr Gopal discussed its role in Hypoxemic respiratory failure.

In order to spur this application, for the patient benefit or end users, training was followed by experiential learning on NIV application, monitoring and troubleshooting by Dr. Ashwini Mandanna, Clinical Specialist, ResMed India

A non-conventional ventilator which people normally believe can be usually used with the mask, maintaining patient's awake fullness, ability to communicate and eat and drink. This offers the major advantage, avoiding sedation, and patient comfort, ambulation movement), patient recovery, decreased cost to the patient, early discharge

On the occasion, Dr. Animesh Arya said, "NIV has become a first standard of care in various patients of chest diseases with respiratory failure and higher levels of carbon dioxide in blood with early recover. The workshop specifically touched the newer concepts in delivery of NIV to wide range of patients".

"I congratulate, ResMed Academy for conducting such educational workshop that sensitizes and improves the knowledge of upcoming doctors, hence increasing the adoption of NIV. I look forward to more such initiatives by Resmed", he added.

Dr Bharat Gopal praised ResMed Academy's effort and said, "Such workshop is important for early usage of technology after proper intensive training, leading to an excellent outcome to patients suffering from flu/ H1N1, and avoidance of ventilation and associated complications". He also emphasized, on conducting more of such training programs/ workshops in tier 2 and tier 3 cities to spread the awareness.

Dr. Arunesh Kumar said, "such workshops are excellent platforms to share experiences and clinical awareness not only to the Medical fraternity but to the supporting staff such as critical care nurses and respiratory technicians".

"I am glad ResMed Academy has taken such initiative of giving hands-on learning experience to all levels of medical support staff" he added

A survey claimed 12 lac plus deaths in 2017-18 through both outdoor and indoor pollution. The most common causes and risk factors for COPD are smoking, second-hand smoke, fumes, chemical and dust in construction sites.