

VAYU BUBBLE CPAP SYSTEM

5 million children die annually before their fifth birthday from preventable illnesses. Respiratory distress is a leading cause. Continuous positive airway pressure (CPAP) is an effective treatment, but previous CPAP systems were expensive and required continuous electricity, compressed medical air and intensive biomedical engineering support.

The Vayu bCPAP system is the first high quality newborn and infant bCPAP system that does not require electricity or compressed air

Accessibility matters. The Vayu bCPAP system...

- Does not require electricity or compressed air (only pressurized oxygen)
- Is simple to use and easy to maintain
- Costs a fraction of the price of previous CPAP systems

Quality of care matters. The Vayu bCPAP system...

- Pressurizes, humidifies, filters and enriches breathing gases with oxygen
 - Has an evidence based circuit for low imposed work of breathing
 - Is authorized for Emergency Use by the US FDA and approved by Kenya's PPB, Brazil's ANVISA, and Tanzania's TMDA



Development of the Vayu bCPAP System has been supported by the Bill and Melinda Gates Foundation, the National Institutes of Health and UNITAID (a global initiative hosted by WHO). It has been deployed in over 20 countries (including Philippines, Kenya, Belgium and US) and treated over 5000 patients.

"The Vayu CPAP is brilliant and a winner. It truly is ingenious"

–Professor Jeffrey Perlman, Director of Neonatology, Cornell Medical Center, USA

Why doesn't Vayu bCPAP need electricity?

The innovative, patented blender in Vayu bCPAP uses a jet of oxygen to pull in ambient air, providing safe, adjustable concentrations of oxygen for patients without the need for electric pumps

"Our mortality rate significantly dropped since we started using the Vayu bCPAP in our institution"

–Dr. Daisy Garcia, Chief of Neonatology, Ilocos Regional Medical Center, Philippines