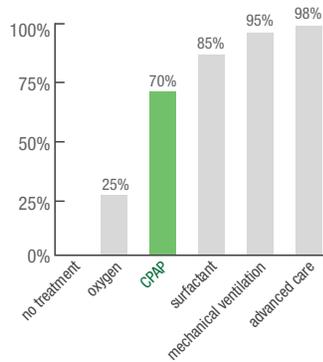


# NEED

Preterm birth complications including respiratory distress are the leading cause of death for children under 5 worldwide.



CPAP with oxygen in low-resource settings can increase RDS patient survival to an estimated 70%<sup>1</sup>



## Continuous Positive Airway Pressure [CPAP]

is a recommended intervention to treat respiratory distress in neonates. However, it is often restricted by high machine cost and complex user and maintenance requirements.

# PURCHASE & CONTACT

Purchasing is available through local distributors in select countries and worldwide directly from 3rd Stone Design.

To learn more about the Pumani bubble CPAP and how to order, please contact:

 [www.pumani.com](http://www.pumani.com)

 [info@pumani.com](mailto:info@pumani.com)

 +1 628 236 7338

More than 800 Pumani units are in over 35 countries.



### About Us

3rd Stone Design is a product design and development company. We partner with organizations around the world to develop affordable, appropriate health technologies for low-resource settings. Pumani is produced in an ISO 13485 environment by Hadleigh Health Technologies, LLC, a subsidiary of 3rd Stone Design, Inc.

# Pumani<sup>®</sup>

## bubble CPAP



**A low-cost, high-quality respiratory support device for newborns and children**

<sup>1</sup> Neonatal Mortality From Respiratory Distress Syndrome: Lessons for Low-Resource Countries. Kamath BD, et al. Pediatrics – 2 May 2011

# OUR SOLUTION

Pumani bubble CPAP is a low-cost, high-quality respiratory support device for newborns and children, designed specifically for low-resource settings.

## What makes Pumani unique



### Effective

Provides the same level of therapeutic pressure as other commercial CPAPs



### User friendly

Staff can be trained to use in a day; setup takes less than 5 minutes



### Affordable

Costs approximately one-third of other 'low-cost' CPAPs on the market



### Easy to maintain

Minimal maintenance required; spare parts and repair instructions included



### Durable

Shown to run continuously for years



### High quality

Made in USA in an ISO 13485 environment



## Complete solution

Pumani bubble CPAP comes with all the supplies needed to provide bubble CPAP therapy including the flow generator, nasal prongs, hats, tubing, power cord, user manual, bottle and training videos

## Clinical Support

A clinical evaluation of the Pumani conducted at Queen Elizabeth Central Hospital (QECH) in Blantyre, Malawi showed that use of the Pumani to treat neonatal respiratory distress resulted in 27% absolute improvement in survival, as compared to patients treated with oxygen therapy alone.<sup>2</sup> Partners include:

- Rice 360: Institute for Global Health Technologies
- Texas Children's Hospital
- Malawi Ministry of Health
- Queen Elizabeth Central Hospital
- Malawi College of Medicine

<sup>2</sup> Kawaza K, Machen HE, Brown J, Mwanza Z, Iniguez S, Cest A, et al. (2014) Efficacy of a Low-Cost Bubble CPAP System in Treatment of Respiratory Distress in a Neonatal Ward in Malawi. PLoS ONE 9(1): e86327. <https://doi.org/10.1371/journal.pone.0086327>