

# Advanced ventilator management delivered

## Hospital

Multispecialty

## ICU

MICU, 19 beds, 70% occupancy

## Location

Tier 3, Bihar

## Hospital staff

Inexperienced in advanced respiratory therapy

### PATIENT CASE

A 14-year-old male was admitted in this busy ICU in a tier 3 town in Bihar with severe acute respiratory distress syndrome (ARDS) caused by pneumonia. He was at risk of widespread sepsis. The closest tertiary care facility to handle complex cases was over 100 km from the hospital and patient could not be transported. The young patient was intubated and placed in mechanical ventilation and yet continued to deteriorate with falling oxygen levels.

### ACTION TAKEN

Cloudphysician team observed abnormal waveforms on ventilator, deterioration of vitals, and made appropriate changes on the ventilator by increasing the PEEP and maintaining low tidal volume ventilation. The team ordered a chest x-ray and arterial blood gas (ABG) test.

The treatment plan was to get the patient in prone position (lay on the stomach) for 16 to 20 hours a day. This form of treatment is internationally recognized as the standard of care for this condition.

The collaboration resulted in application of prone position therapy and advanced ventilator management. This saved the patient's life and within two days the vital functions improved. A few days later this young boy walked out of the hospital.



### TAKEAWAY

**A vulnerable patient was saved from certain death without the risks and costs associated with medical transfer. Advanced respiratory therapy was delivered in an ICU that did not previously have this expertise.**

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