Wellell Inc.

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Optima Prone

Reducing prone position ventilation workflow complexity and pressure injury risks

The prone position is commonly used to treat ARDS patients, but it increases the risk of pressure injuries (PI) and can add 3 hospital days to treat PI-related complications on top of the 5 hospital days for proning,[1,2] significantly reducing the nurse-to-patient ratio.[3] Prone positioning procedure is labor-intensive and complex, requiring a team of 5 caregivers to complete supine and prone maneuvers and a team of 3 to reposition the patient's head every 2 hours, with therapy lasting 12 to 16 hours.

Optima Prone is a specialized pressure-reducing support surface solution designed to effectively prevent pressure injuries, optimize workflow, reduce clinical workload, and improve patient outcome in prone position ventilation.

Simplify Head Repositioning

One person can complete head repositioning alone. Supporting the shoulder mechanically while creating space for the chin reduces the caregiver's workload and minimizes the risk of obstructing airway tubing.

Control Individual Air Cell Firmness

Mattress knobs allow caregivers to adjust cell inflation for targeted pressure relief and injury prevention in vulnerable areas.

Shoulder lifting Mode

To relieve muscle hyperextension and stress in the shoulder area, two angles are available for adjustment.

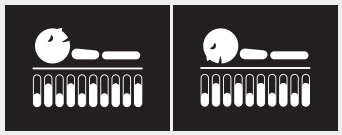
Protect Patient's Face and Ear

During the prone position, the unique combination of patented air cell design prevents pressure sores or injuries in these sensitive areas.

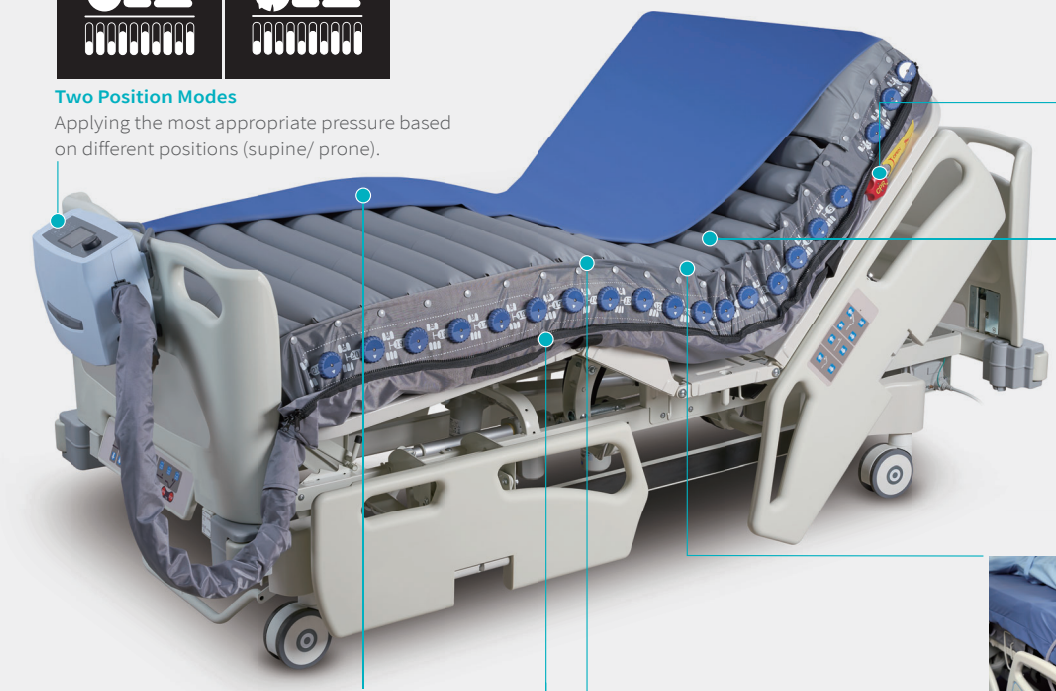
1. Shearer SC, Parsa KM, Newark A, Peesay T, Walsh AR, Fernandez S, Gao WZ, Pierce ML. Facial Pressure Injuries from Prone Positioning in the COVID-19 Era. Laryngoscope. 2021 Jul;131(7):E2139-E2142. doi: 10.1002/lary.29374. Epub 2021 Jan 5. PMID: 33389768.
2. Douglas IS, Rosenthal CA, Swanson DD, Hiller T, Oakes J, Bach J, Whelchel C, Pickering J, George T, Kearns M, Hanley M, Mould K, Roark S, Mansoori J, Mehta A, Schmidt EP, Neumeier A. Safety and Outcomes of Prolonged Usual Care Prone Position Mechanical Ventilation to Treat Acute Coronavirus Disease 2019 Hypoxemic Respiratory Failure. Crit Care Med. 2021 Mar 1;49(3):490-502. doi: 10.1097/CCM.0000000000004818. PMID: 33405409.
3. da Silva FCT, Neto MLR. Psychological effects caused by the COVID-19 pandemic in health

Optima Prone

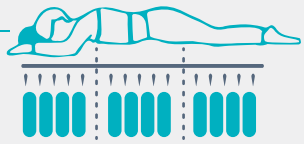
Prone Position Pressure Injury Solution



Two Position Modes
Applying the most appropriate pressure based on different positions (supine/ prone).



CPR Knob
Quickly deflate the mattress for emergencies.

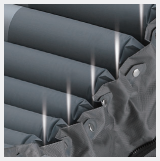


Multi-Zone Air Pressure
Customizable pressure distribution across the support surface adapts to patient contours.

Proper Tubing Organization
Customizable airflow in individual air cells enables caregivers to adjust for proper tubing management.

4-Way Stretch Top Cover
Offering low shear, low friction, vapor permeability, and moisture protection, coupled with optimal immersion and envelopment.

Decreases the Risks of Infection
The top cover is made with welded seams(high frequency Induction hardening ®) to avoid fluid ingression.



Microclimate Management
Micro low air loss effectively wicks away moisture from the surface, leading to more comfortable experience.

Specifications

Model	Optima Prone				
Pump	Dimension	13.4 x 6.5 x 10.2 in			
	Weight	12.1 lb			
	Case Material	Fire Retardant ABS			
	Supply voltage	110 - 120 V / 60 Hz			
	Therapy mode	Max Firm / Alternating / Continuous Low Pressure Seat Inflation(Automatic) / Position Mode			
	Noise Level	< 37dB			
Mattress	Dimension	Cells	Length	Width	Height
		21	78.7 in	35.4 in	8 in
	Type	8”/ Replacement			
	Weight	30.8 lb			
	Top cover material	Poly / PU			
	Cell material	TPU			
	Maximum patient weight	550 lb			
	HCPCS Code	E0277			
Ordering Information (For North America Only)					
	System	PD09502			

Pump: water resistant standards (IP21); Mattress: flame retardant standards (CAL117, EN597-1, EN597-2), RoHS, WEEE
Specifications are subject to change for improvement without notice

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