

# ONCARE™ VITALGO TOTAL LIFT BED™ REDUCES TRAUMA PATIENT'S RECOVERY TIME FROM THE ANTICIPATED 6 MONTHS TO 3 WEEKS



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A 25-year-old male was admitted to Israel's renowned Sheba Medical Center after sustaining severe injuries from a terror suicide bomb attack on a tourist bus in Bulgaria, where 150 tourists were involved and 35 were significantly injured. Injuries for this patient were extensive and included: inhalation damage, lung contusion, traumatic head injury from the blast itself, eye damage, blunt trauma wounds, numerous penetrating injuries and multiple fractures. Additionally, he had 2<sup>nd</sup> and 3<sup>rd</sup> degree burns over 55% of his total body surface and vast lacerations containing shrapnel and organic parts from the suicide bomber's body.

## TREATMENT

The patient underwent extensive surgery including an exploratory laparotomy, debridement of multiple lacerations and an extraction of hundreds of foreign bodies from all sites – completed by a multi-disciplinary team of General, Eye, Plastic and Orthopedic Surgeons. Burns and lacerations required further debridement, split thickness skin grafts and negative pressure therapy to achieve wound closure.

## PLAN OF CARE

Goals for the patient included treatment of injuries and progressive mobilization toward ambulation. The care team attempted to stand him up everyday, which in itself was almost an impossible effort due to the multiple fractures and graft sites. When a lineup of 3-4 caregivers and Physical Therapists were finally able to lift him to a standing position, they could only hold him for a minute or two as the experience was extremely painful for the patient. Additionally, performing this critically important mobility task put the caregivers at risk of injury every day.

After two months of treatment and slow progression for the patient's injuries, the therapy team looked for alternative solutions to speed the recovery process. At that time, the team became aware of the Total Lift Bed and quickly recognized that this product could make a significant impact on early mobility therapy options for the patient.

### Total Lift Bed (TLB) Indication:

Patients who are immobile, burn, post-orthopedic surgery, high-risk skin breakdown, rehabilitation, ventilated, pulmonary and fall prevention are candidates for the Total Lift Bed.

## RESPONSE

The Total Lift Bed allowed a single member of the care team to progressively tilt the patient multiple times a day, eventually reaching a fully upright standing position without the physical difficulty of lifting or removing the patient from the bed. The weight bearing control system allowed them to carefully document and progress the amount of weight bearing and tilt as he could tolerate. The patient was able to see how he was progressing as the care team provided feedback on his weight bearing measurements and the tilting grade on the Total Lift Bed. Being upright gave him hope of recovery by encouraging his engagement in other treatments.



## CUSTOMER QUOTES

"Using the TLB we were able to give a much better treatment, we avoided the risk of bed sores, we were able to use weight bearing control, tilting the patient a few angles for every hour and in a very short period of time, and we were able to tilt him to a full standing position".

"Amazingly, and much to our surprise, after just two weeks of treatment with the TLB, the patient was able make his first steps walking!"

## OUTCOME

The patient's recovery exceeded all expectations by reducing the anticipated 6 months recovery to 3 weeks.

The Total Lift Bed made treatment much easier for the patient and care team and permitted the patient to progress to the next level in the rehabilitation faster than standard treatment.

In addition, the care team credits treatment with the Total Lift Bed to:

- Prevention of bed sores and pressure ulcers
- Accelerated healing of wounds for optimal skin health
- Improved respiratory function with upright positioning
- Dramatic decrease in patient's pain levels
- Ability to achieve more in therapy, both in level of function achieved and number of minutes of relevant and functionally restorative therapy
- Increased ability to work on activities of daily living in upright positions
- Increased patient engagement in therapy and activities, as well as improved mood and communication
- Improvement in patient digestion and ability to eat in upright positions
- Improved patient compliance with therapy due to reduced pain and increased security
- Reduced staff required for therapy and decrease in chance of caregiver injury

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Sheba Medical Center is the largest and most comprehensive medical center in Israel and the Middle East with over 2,000 beds and serving more than 2 million patients per year. SMC offers sophisticated and multi-faceted care across all disciplines of medicine. The tertiary medical center is known for its state-of-the art care.

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