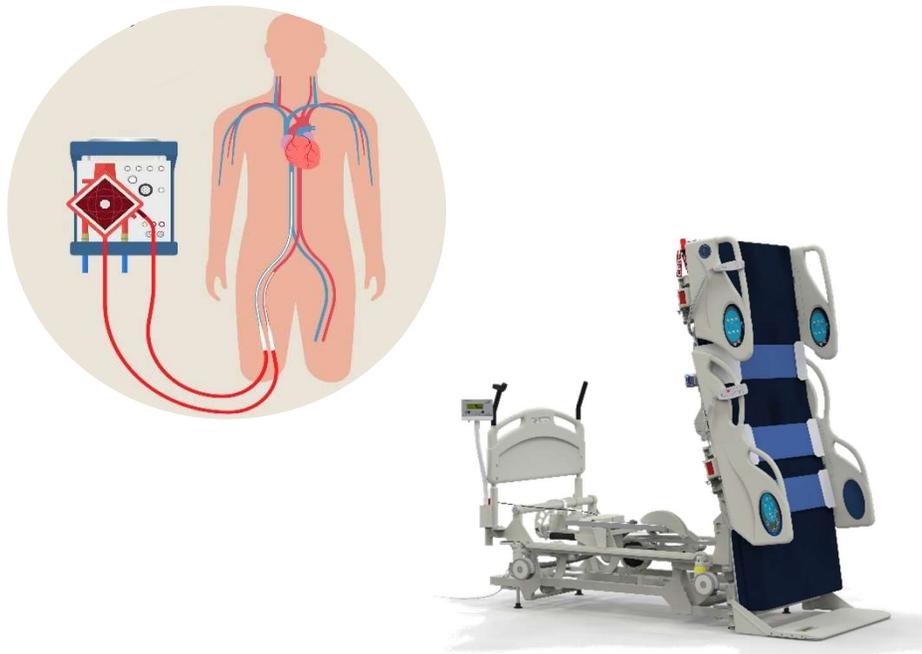


ECMO Patients are known to benefit from mobility, but severe pain and their many lines and drains present significant obstacles



Study results show the **Total Lift Bed™** provides proven pre-op benefits for ECMO patients, including:

- Improved daily activity
- Increased participation in therapy
- Significantly higher ELSO mobility scores

Post-Operatively, patients mobilized sooner experience an increase in the proven benefits of early mobilization.

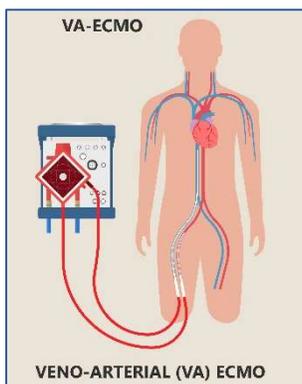
Hospital Study Confirms Mobility Benefits Can Be Enhanced When Protocol Calls for VitalGo's Total Lift Bed™



According to a recent study, cardiopulmonary patients awaiting transplant, as well as a facility's clinical staff, can experience a range of benefits related to mobility when the patient care protocol incorporates VitalGo System's Total Lift Bed™ (TLB).

The study, conducted by the Department of Rehabilitation Medicine, Department of Cardiothoracic Surgery at the University of Washington in Seattle, focused on VA-ECLS patients. ECLS, short for Extracorporeal Life Support includes various modalities of temporary mechanical cardiopulmonary assistance of a failing heart and/or lungs. VA-ECLS specifically refers to cardiovascular patients which are also referred to as VA-ECMO (Extracorporeal Membrane Oxygenation) patients.

The study confirmed both pre-op and post-op benefits as well as improved staff productivity.



Extracorporeal Life Support includes various modalities of temporary mechanical cardiopulmonary assistance of a failing heart and/or lungs.

Achieving Safe and Effective Mobility on VA-ECLS Patients

According to the authors, the purpose of the study was "to achieve safe and effective mobility on VA-ECLS patients who are femorally cannulated while waiting to bridge to transplant or durable device."

A team of therapists, nurses and physicians created relative guidelines for therapy for mobilizing VA-ECLS patients based on the latest research and the facility's preestablished protocol for pulmonary patient mobility.

The Total Lift Bed was brought in for the team to simulate ways to safely mobilize patients who have femoral cannulas. The bed is designed to enhance clinicians' ability to achieve mobility goals earlier, more frequently, and with greater safety, by allowing the patient to be moved from lying to upright and weight bearing positions at the push of a button, with zero manual assistance. Once on the bed, patients were seen daily by Occupational and Physical Therapists to progress them, as much as possible, to full upright and weight bearing positions. While standing, patients participated in activities of daily living and a variety of exercises to promote independence and increase strength.

Pre-Op and Post-Op Benefits

The Pre-op benefits cited in the study include improved daily activity, increased participation in therapy and "plan of care" decisions, and significantly higher mobility scores based on industry standard assessments. Post-operatively, patients were able to mobilize sooner and obtained the proven benefits of early mobilization. For the staff, increased levels of efficiency were possible, as overall demands on staff time were reduced.

According to the authors, six patients achieved an Extracorporeal Life Support Organization (ELSO)

Mobility Score of 4. In previous years, patient scores had been 0 (see chart below).

ELSO MOBILITY SCORE

- 0 - Nothing
- 1 - Sitting in bed, exercises in bed
- 2 - Passively moved to chair (no standing)
- 3 - Sitting over edge of bed
- 4 - Standing
- 5 - Transferring bed to chair
- 6 - Marching on spot (at bedside)
- 7 - Walking with assistance of 2 or more people
- 8 - Walking with assistance of 1 person
- 9 - Walking independently with a gait aid
- 10 - Walking independently without a gait aid

It was also noted that patients using the Total Lift Bed were more awake, off ventilator support, eating regular meals, and participating in therapy on the days leading up to surgery. Along with participating in therapy, these patients were able to be more involved in their plan of care and complex decision-making process.

Post-operatively, patients mobilized sooner than previously seen with this population. This was attributed to decreased deconditioning from prolonged bedrest.

Overall, staff efficiency and productivity were also positively impacted. Previously, transferring and achieving an upright position regularly required the assistance of 6 staff members. With the Total Lift Bed staff demand was reduced to two: One staff member for mobility and a perfusionist to manage the ECLS pump.

Full Range of TLB Features Contribute to Success

According to Jarett Armstrong (Vice President Global Business Dev.) the Total Lift Bed's range of well designed, safety-first features have played a significant role in the positive results achieved in the University of Washington study as well as other studies around the country including those conducted at Stanford, and the University of Texas.

Among the TLB's distinguishing features is its unique Foot Lifter™. When the bed's tilt function is activated, the patented Foot Lifter moves toward the patient's feet. When contact is made, the bed begins gently tilting to the desired angle or weight bearing ratio, while maintaining the patient position to help avoid repositioning. As the bed tilts, the change in the degree of weight bearing achieved by the patient is displayed on the patented Foot Lifter footboard. The visual feedback helps caregivers to monitor progress and set milestones for rehabilitation and mobility objectives. Once fully upright, the Foot Lifter™ automatically adjusts to become even with the floor, allowing appropriate patients to walk independently or with an assistance device.

The TLB also features

- A new patented power drive system
- Nurse call and bed exit connectivity
- Chair and Trendelenburg positions
- An integrated Stage 4, alternating pressure mattress to prevent and manage pressure ulcers
- Comfortable and safe support straps
- Compliant side rails

About VitalGo, Inc.

VitalGo, Inc, is best known for inventing the award-winning Total Lift Bed. The Total Lift Bed is the first hospital bed in recent memory to disrupt the market with a next generation design. VitalGo has witnessed some miraculous patient outcomes on their technology world-wide and is dedicated to making their technology the standard of care.

For Further Information

Call 1-877-678-6781 / Email sales@vitalgosys.com / Visit www.vitalgosys.com





The Total Lift Bed™ Early Mobility at the Push of a Button

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