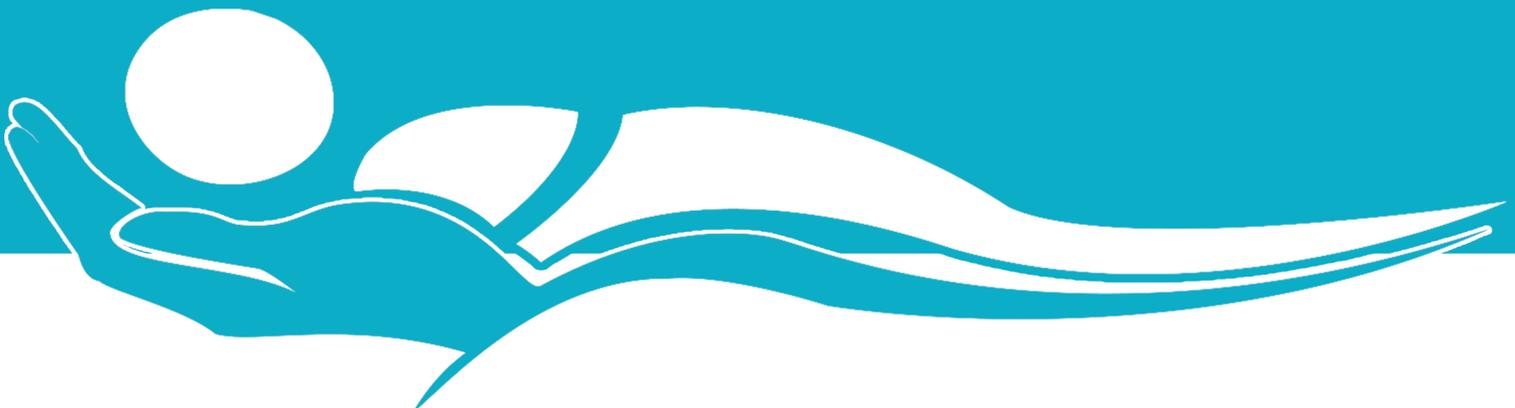


The patient *is* for turning



The complex care
turning bed

A unique patient turning
solution within major
trauma, critical and
complex care



Spinal/Spinal Cord Injury | Neurology | Neurosurgery | Obstetrics | Orthopaedics
Intensive care | Multiple Trauma | End of life | Oncology | Respiratory Medicine | Physiotherapy

Use mechanical turning in complex care scenarios to eliminate secondary complications, patient trauma and nursing staff injury:

- Turn/log-roll critically injured patients safely without further trauma or discomfort
- Reduce multi-system complications such as pressure ulcers, UTIs, & DVTs
- Prevent pneumonia and septicaemia
- Turn patients with a single operator, freeing staff for other duties
- Dramatically reduce the physical strain on nursing staff
- Universally position patients for the treatment of spinal and pelvic injuries, neurological and general trauma, and for physiotherapy during rehabilitation
- Maintain spinal alignment without compromising care
- Mechanically-aid patient transfer from point of admission onwards
- Reduce the need for expensive ECMO treatment
- Improve patient care, outcomes and recovery times

Clinical applications include:

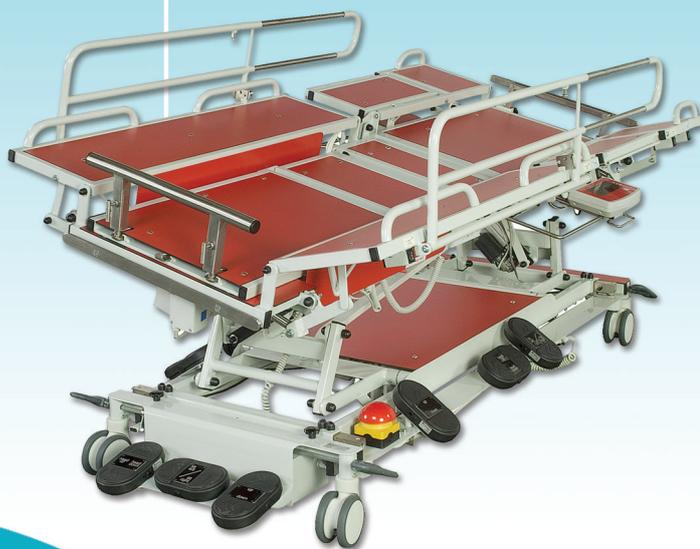
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What is *Legacy*?

Legacy is a mechanical turning bed developed for the treatment of complex trauma, including multiple injuries, spinal, and spinal cord injuries.

With extensive input from clinicians and specialist nursing staff, its operation has been designed to reduce the physical strain for nursing staff, as well as to preserve patient safety during turning, transfer and treatment.

Patients until now deemed "not for turning" can now be turned safely and comfortably – improving care without compromising their condition, injuring nursing staff or draining resources.



1. Mechanically turn and log-roll critically injured patients

Legacy's unique dual mattress system, innovative "Embrace Hold" position and smooth lateral 30° tilt function secures patients completely, allowing even the most severely injured patients to be turned and rolled safely and without further trauma for all checks and nursing procedures.

2. Prevent avoidable multi-system complications

Routine turning reduces incidences of secondary complications such as pneumonia, constipation, urinary sepsis, thromboembolism, gastric ulceration and psychological stress. *Legacy* brings this enormous benefit to the complex care environment.

3. Eliminate pressure ulcers

The dual mattress system allows one mattress to slide over the other, transferring shear away from the patient. This, with regular turning, and the upper viscoelastic pressure-care mattress, dramatically reduces the risk of ulceration and infection.

4. Log-roll without staff strain or injury

With *Legacy*, even full patient log-rolls are strain-free. Nursing staff hold the patient steady while the bed turns. Minimal pushing and pulling is required, and patient discomfort is virtually eliminated. Patients can safely and easily be held at 90° for as long as necessary to complete routine hygiene checks, care procedures & linen changes.

5. Save time and free-up labour – turn patients to 30° with a single operator

Turning and repositioning patients with cleared spines is now possible with a single member of the nursing team. Thanks to *Legacy*'s Embrace Hold position, nursing staff can ensure patients undergoing periods of acute bed rest are routinely turned at the appropriate intervals to redistribute pressure and reduce the duration of fluid stasis – saving precious time and resources and drastically improving patient care.

6. Easily manage patient nutrition, drug dosage and anaesthesia

Legacy's built-in weighing system gives an accurate patient reading with the patient in any position and the bed at any angle of tilt, simplifying basic checks and aiding treatment decisions.

7. Maintain spinal alignment without compromising care

The reduction in shear, smooth turning/rolling and the viscoelastic properties of the mattress help to keep total spinal alignment.

8. Turn and re-position without removing traction

Legacy's included spinal/skull and lower-limb traction system moves with the patient during turns, avoiding the need for constant re-alignment.

9. Calm and comfort disturbed patients

The Embrace Hold has been observed to have a calming effect on disturbed patients (particularly those with brain injuries), helping them to feel safe and aiding their psychological recovery from trauma.

10. Improve prognosis and recovery times

By eliminating secondary complications and keeping focus on the primary cause of hospitalisation, patient outcomes improve, and the recovery period is quicker, reducing through-put times.



Clinical about design:

Legacy's design has evolved through extensive feedback from more than 25 hospitals and specialist trauma centres across the UK.

From blueprint through to conception, every feature has been carefully considered by those who understand best the demands of modern day trauma care – clinicians and nursing staff. The end-result: a turning bed that is fit for purpose across the most diverse range of complex care scenarios.

The primary control features are foot-operated, allowing nursing staff to keep their hands free for care procedures. The dual mattress system transfers shear away from the patient to aid pressure area care, while its viscoelastic construction means patients lie in the mattress instead of on it, keeping them completely still during turns to maintain spinal alignment.

And the simplicity of **Legacy's** design makes turning and re-positioning easy, giving staff total control over patient care without reliance on a complicated computer interface.

The list goes on. Adjustable side-wings trim the bed to any patient size for comfort and stability, with comfort increased after turning by lowering the upper-arm pressure relief flaps. Meanwhile, the integral patient weighing system shows an accurate patient weight no matter what position the bed is in, making it easy to track nutrition, medication and anaesthesia administration.

All-in-all, Legacy has been designed by medical professionals, to deliver the best possible treatment to every patient.

Legacy's clinical development:

- 3-month pilot evaluation on ward at NSIC Stoke Mandeville, working with practitioners and patients
- Subsequent evaluations by over 25 UK hospitals, including:
 - Midlands Centre for Spinal Injuries (RJAH Oswestry)
 - Royal Hallamshire Hospital, Sheffield (Neuro)
 - Royal Liverpool Infirmary
 - Princess Royal SIC, Sheffield
 - Royal Berkshire Hospital, Reading
 - Southampton General Hospital
 - Musgrave Park Hospital, Belfast
 - Queen Elizabeth Hospital, Birmingham
 - Royal Cornwall Hospital, Truro
- Featured in detail in *The Patient is for Turning* clinical report – written by MASCIP in collaboration with the SIA



Practice-based evidence:

Intensive evaluation in wide and varied hospital departments has revealed **Legacy's** versatility as an asset for all manner of complex care environments. Practice-based evidence has included patient and professional experiences* in cases including:

- **General intensive care:**

Clinical consensus across 21 Critical Care Units suggests that mechanical turning enabled patients to wean from ventilator support on average 4 days earlier than expected, expediting their long-term recovery and discharge from intensive care. Meanwhile, it is suggested that a number of patients have survived life-threatening injuries due to the provision of mechanical turning.

- **Spinal Cord Injury:**

The unique mattress system enhances a bed deemed fit for purpose by five English SCI centres, whose prior awareness of mechanical turning prompted a strong appreciation of **Legacy's** unique features.

- **Spinal injuries without neurological compromise:**

Three orthopaedic spinal surgery centres successfully trialled **Legacy** for both the conservative and post-surgical management of orthopaedic spinal injury patients, as a means of eliminating the risk of developing an SCI secondary to turning.

- **Acquired brain injury and neurosurgery:**

Legacy enables the multi-positional rotation of the patient over a number of axes, including lateral rotation to 30°, head and leg elevation, reverse trendelenburg and other functionalities that enhance therapeutic treatments. This, alongside the Embrace Hold position, was found to contribute to a reduction in stress and a smaller increase in ICP compared to manual turning.

- **Complex Surgery:**

Trials included various patients who had undergone complex or reconstructive surgery, amputation and joint replacement. Clinical staff confirmed that patient pain and discomfort during routine turns/transfers was, in their opinion, significantly reduced compared with past experiences.

- **Multiple Trauma:**

Positive evaluations highlighted the holistic benefits of turning in three major Trauma Centres using **Legacy** for patients not requiring spinal protection.

- **Pelvic injuries:**

2 pelvic injury patients within a Major Trauma Centre successfully trialled **Legacy** during both pre and post-surgical periods, with a focus on minimising the risk of pressure ulcers by enabling routine turning with minimal discomfort.

- **Adult Respiratory Disease Syndrome (ARDS):**

One critical care centre demonstrated that by positioning a ventilated ARDS patient prone before turning in the Embrace Hold position, they were able to avoid transferring that patient for ECMO (Extra-Corporeal Membrane Oxigenation) – saving approximately £25,000 in a single patient episode.

* **Further details on the experiences outlined can be found in *The Patient is for Turning* clinical report, available on the MASCIP website.**



Legacy is available to see and evaluate for yourself.

Product introductions and clinical evaluations can be arranged at times and locations convenient to your staff – aiding the decision-making process by showcasing **Legacy's** unique capabilities within your environment.

See for yourself:

A presentation "open day" in a suitable side-room presents the ideal introduction to **Legacy**. Specialist advisors will demonstrate the bed's functions, features and applications to clinicians and nursing professionals in a series of 15-20 minute sessions, allowing staff to attend throughout the day as their work routine permits.

Evaluate:

An on-ward clinical trial for a period of 1-2 weeks offers hospital departments the opportunity to assess **Legacy** in real clinical scenarios. Introductory training on bed features and usage is delivered as standard, and a range of guidance material is provided to ensure your teams get maximum benefit for the duration of the trial.

Further support is available from our specialist advisors, who will keep in contact throughout the trial, visiting where appropriate to talk to nursing staff, consultants, physiotherapists and patients in the bed – providing training on how to get the best from the product and familiarising staff with the exciting new features that Legacy offers in their area of practice.

Your Legacy:

Legacy can be procured in a number of ways:

- **Rental:** ideal in cases where Legacy is required at short notice, and/or where budgetary restrictions preclude outright purchase. Rental also offers the flexibility to hire Legacy for the duration for which it is required and no more – saving money and space.
- **Lease purchase:** through monthly payments over 3 or 5 years. This option enables full product ownership without the burden of a lump sum payment.
- **Outright purchase:** Full product ownership from day 1 with no ongoing financial obligation. Ideal where capital is available, to permanently secure Legacy's extensive clinical and nursing benefits.

Contact us:

For enquiries about the **Legacy** complex care turning bed, including arranging product introductions, clinical trials or procurement, contact us:

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