

4A外科加護病房

Surgical Intensive Care Unit



Fly Again: Accelerated Recovery Journey for Severe Traumatic Brain Injury(ERATbi)

A dedicated medical team that presses the restart button for life, accompanying you through the darkest valleys.



When a sudden and severe accident strikes, causing traumatic brain injury, traditional thinking often assumes that the only option is prolonged bed rest. However, we are committed to changing this reality—helping patients awoken as early as possible and stand again, safely and with confidence.

Our Target Patients

Critically ill patients who have suffered severe accidents resulting in moderate to severe traumatic brain injury, often with unstable vital signs and dependent on multiple medical tubes and life-support devices.

- ✓ **Moderate to severe traumatic brain injury:** patients with a Glasgow Coma Scale (GCS) score ranging from 3 to 12, admitted to the trauma surgery intensive care unit (ICU).
- ✓ **Combined multiple severe injuries:** in addition to traumatic brain injury, patients also suffer from other major traumas (Injury Severity Score, ISS \geq 16).

Fighting death is not a battle to be fought alone. We break away from tradition by initiating an accelerated recovery strategy within the first 24 hours of admission to our dedicated trauma ICU.

Integrated Multidisciplinary Care

This is a coordinated, team-based effort involving surgeons, nurses, physical therapists, respiratory therapists, clinical pharmacists, and dietitians. From stabilizing vital signs to initiating early rehabilitation, our specialists work together to lay the foundation for each patient's recovery journey.



Three Breakthrough Innovations in Care

Embracing the Miracle of New Life



1. Patented Equipment: Making “Getting Out of Bed While on a Ventilator” Possible

ICU lines are complex, making mobilization risky. Our patented wearable ventilator tubing support device makes getting out of bed while intubated significantly safer.

- **Smart Rehabilitation:** Integrating multifunctional sit-to-stand training (Sara Plus) with cognitive training.
- **Personalized, Tiered Intervention:** Using a novel modified ICU mobility scale to deliver progressive, ability-based, and safe rehabilitation.

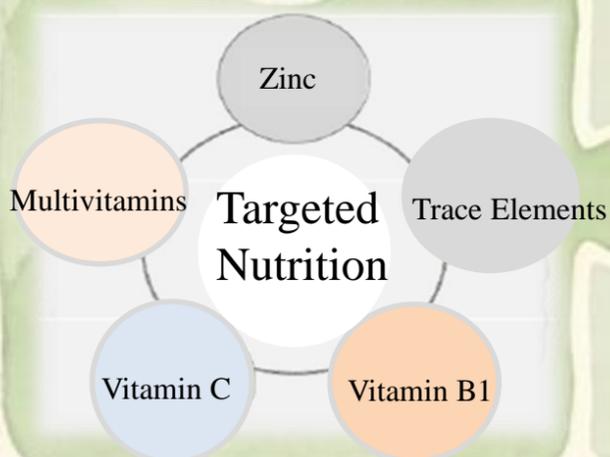


2. Neuroprotective Care: “Sweet SMART Home” Approach



Patients with brain injuries are highly prone to delirium (acute confusion and hallucinations), which can hinder recovery. We focus not only on treatment but also on psychological and environmental support:

- **Familiarity:** Encouraging families to bring personal items such as pillows, photos, or music.
- **Day–Night Rhythm:** Adjusting lighting and using clocks to restore healthy sleep patterns—protecting the vulnerable brain in the most comforting way.



3. Inside-Out Care: Precision Nutrition & Rib Fixation



• **Targeted Nutrition:** Using indirect calorimetry and shared decision-making (SDM), we create personalized nutrition plans with key micronutrients to support healing and recovery.

- **Pain-Reduced Breathing:** For patients with severe rib fractures, early surgical fixation combined with advanced respiratory monitoring significantly relieves pain and reduces breathing burden.



Lowest Mortality Rate in Asia
Patients with moderate to severe brain injuries combined with major trauma achieve exceptionally high survival rates, with recovery outcomes leading the Asia-Pacific region.



World’s Highest Mobilization Rate
Leading the world in early out-of-bed mobilization in the ICU.



Absolute Safety, Zero Errors
Achieving 0% fall rate and 0% line dislodgement during active early mobilization and rehabilitation.



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SNQ
Safety and Quality

National Quality Certification
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