Air Fluidised therapy
The ideal environment for wound healing.

Clinitron Air Fluidised Therapy remains unsurpassed as the first choice in the management of deep wounds and the traumatised patient.

Independent clinical research has consistently demonstrated significant improvements in wound healing rates with a consequent reduction in patient length of stay in Hospital\(^1\text{-}^2\).

Results have also demonstrated financial benefits through reduced patient length of stay and treatment costs\(^3\text{-}^4\).

The latest product developments incorporate a range of unique features designed to optimise the management of the highly dependent patient including, precise weight monitoring and thermo-regulation contributing to reduced stress in the hypercatabolic patient, lowered mortality and improved patient outcomes\(^5\text{-}^6\).
Clean Environment

Warm filtered air flows gently around the patient providing a clean dry environment which prevents maceration and reduces the risk of wound contamination and cross infection.

Exudate and other body fluids are absorbed away from the patient into the high alkaline dry fluid medium where sequestration and desiccation provide an environment hostile to the survival and growth of pathogens.

Controllable Environment

The patient micro-climate can be accurately controlled between 28 and 40 degrees°C allowing precise thermo-regulation.

Patient rewarming or cooling can be easily achieved without the need for additional equipment or invasive techniques.

A combination of the warm environment and low pressure support reduces patient stress, modifying the catabolic response to injury resulting in a saving of up to 4g of nitrogen and 4-600 Kcal per day.

Patient comfort and sleep patterns are greatly enhanced by the warm soporific environment. Pain relief is optimised for those patients with intractable pain such as the terminally ill.

An Ideal support

The air fluidised medium results in the patient floating on an artificial fluid created by soda-lime glass microspheres suspended in warm air.

The patient is separated from the dry fluid by a loose fitting filter sheet which moves freely with the patient virtually eliminating shear and friction forces.

Since the fluidised medium totally conforms to body contours, the patient’s weight is evenly distributed resulting in tissue interface pressures as low as 11mmHg eliminating the need for repositioning to prevent pressure damage.

The warm low pressure support improves tissue perfusion even in the highly compromised patient.

Nursing patients directly onto delicate tissues such as flap and graft sites can be easily achieved, eliminating the usual positioning constraints and improving wound healing times.
The most extensive range of Air Fluidised Units from the world’s leading supplier.

When patient positioning is a priority, Clinitron Uplift offers head elevation at the touch of a button. Hand Control Pendant improves patient independence.

Precise thermo-regulation and an accurate integral weighing facility makes AFX the ideal choice for the management of the critically ill patient.

For children up to 1.3 metre tall <50 kg

All the benefits of Air Fluidised Therapy for patients needing frequent mobilisation.
A TRULY COST EFFECTIVE SOLUTION

Clinitron Air Fluidised Therapy has consistently demonstrated through independent clinical studies improvements in the outcome of care for a wide group of patients. Results have also demonstrated financial benefits through reduced patient length of stay and treatment costs.

**Reduced patient length of stay**

- Treatment of deep wounds: -55% \(^2\)
- Flap surgery patients: -45% \(^11\)
- General acute patients: -28% \(^4\)

**Reduction in Hospitalisation Costs**

Greer et al. found that 43% of patients admitted for plastic surgery to deep pressure sores healed without recourse to surgery. Total cost of treatment reduced by 30%\(^3\).

Patchett concluded that mean nursing direct care time was reduced by 51% and the use of consumables by 40%\(^4\).

Strauss et al. determined a 20% reduction in overall hospitalisation costs for patients treated on an Air Fluidised Bed when compared to conventional treatment \(^2\).

**Flexible Financing Options**

Due to the wide range of applications for Clinitron Air Fluidised Therapy, Hill-Rom recognise the differing needs within and between Hospital Trusts. For this reason Hill-Rom can provide Air Fluidised Therapy in combination with a range of alternative treatment modalities, including the FLEXICAIR range of Low Air-Loss Beds on a daily basis, through guaranteed treatment prices, longer term rental, leasing or outright purchase. In each case a ‘between patient’ decontamination service can be provided. Hill-Rom feel confident we can supply a product and service package to meet your financial needs.
The unique physical properties of air fluidisation have been shown to revolutionise the workload for carers making most procedures easier to perform and more comfortable for patients to endure. Handling techniques that eliminate the need for lifting combined with patient repositioning at the touch of a button dramatically reduces the risk of nurse back injury associated with manual handling. When the Clinitron Unit is fluidised, patients can be easily moved or repositioned usually with the aid of just one nurse. When defluidised the microspheres form a solid mould contouring to the body to gently immobilise the patient for dressing changes and other routine care. At the same time this solid mould provides the perfect support for CPR.

**Improved Patient Independence**

The Clinitron Uplift hand control pendant has been designed to allow the patient greater physical and psychological independence. Changes in position can be achieved without nursing intervention reducing demands on carers and providing patients with more autonomy.

Frequently only one nurse is necessary to reposition the patient.

Trendelenburg is easily achieved to enable line insertion or chest drainage.

The patient can be held in position for dressing changes by defluidising the unit.

Patient mobilisation can be easily achieved on the Clinitron low profile™.
The unit can be defluidised within seconds to commence CPR.

Hair washing becomes simple and trouble-free.

The patient can be easily positioned for bedpanning procedures.

Integral Weighing Facility

The unique integral scale allows patients to be weighed without disturbance, enabling accurate and continuous monitoring, as an aid to fluid and drug therapy prescribing.

Specialist Support

Hill-Rom’s team of qualified nurses and technicians ensure hospital staff receive ongoing product training relating to patient handling techniques and product applications, to ensure all carers and patients benefit from the correct use of the Clinitron Unit.

Maintenance and disinfection between patients is provided at local service centres using Hill-Rom’s Infection Control Policy, audited and approved by the PHLS.
References


www.hill-rom.com