

Moving and Handling Case Study

**Clatterbridge Hospital equipped with Bariatric System
capable of moving and handling patients up to 70 stone**

Clatterbridge Hospital, located in Wirral is part of Wirral Hospital NHS Trust, providing a variety of services through its Day Surgery and Orthopaedic units.

Along with Renal Dialysis and Dermatology, the hospital also provides help for stroke patients through its Stroke and Neuro Rehabilitation Units.

The Rehabilitation Unit boasts a Chiltern Invadex Bariatric Hoisting System, capable of moving and handling patients weighing up to 445 kgs (70 stones).

The Rehabilitation Unit was established 11 years ago with the addition of a well equipped, purpose built 20 bedded Stroke Unit four years later. The Stroke Unit has its own Therapy Centre with gym facility, staffed by a multi-disciplinary team that consists of Nurses, Doctors, Physiotherapists, Speech and Occupational Therapists. The Unit admits people from 16 years of age.

The nursing staff, like all professionals involved in patient care wanted to reduce the risk of injury associated with the manual handling of patients.



The Rehabilitation Unit at Clatterbridge features a Chiltern Invadex Bariatric System



The Chiltern Invadex Bariatric System features tandem hoists, special carry bar and slings

“Not only did the Chiltern Invadex hoist resolve our lifting problems, it also enabled the patient to be repositioned up the bed”



The Wispa sling is easily attached to the carry bar

The Tissue Viability and Moving & Handling Specialists recognised the need for a suitable hoisting system capable of accommodating larger clients requiring rehabilitation.

The Research and Development Department at Chiltern Invadex in partnership with Wirral NHS Trust, developed a ‘Bariatric’ System over a number of weeks.

The result is a dedicated hoisting system capable of reducing manual handling, while providing a comfortable and effective means of transferring patients.

A Free Standing Gantry System provides a suitable structure for the use of two 300 Series Wispa™ Hoists capable of lifting 445 kgs (70 stones).



The twin Wispa Hoists are easy to manoeuvre using a single handset

Research & Development provided the solution

“The challenge was to design a system which could not only support substantial weight, but transfer the patient from bed to chair or be used for rehabilitation purposes” says Research and Development team manager Philip Pearce.

Flexible design enabled the system to be moved from its original home at Arrowe Park, another Wirral NHS Trust hospital, with the minimum of disturbance to other patients.

Choice of systems

The Bariatric Obesity System is also available as a single track system, with a 272 kg (42 stone) maximum load using one Wispa Hoist. Free standing gantry systems can also be used for patient handling in most departments within the hospital.

*“It provides good access to the patient
because it is overhead and out of the way”*



The fully installed Chiltern Invadex Bariatric System in the Rehabilitation Unit



*Wispa Hoists and carry bar with anti-tilting device**

*Patent pending **

Simple operation using a single handset

Operation of the 300 series Wispa Hoists is extremely straightforward. **Operators use a single handset to control the movement of the hoist along the track.** The handset is electrically operated and the hoist itself is battery powered. It is recharged automatically when returned to the end of the track after use.

Easy to manoeuvre

Smooth and controlled movement is ensured by the soft start and stop feature which allows the Wispa to transfer patients from a bed or chair.

A host of safety features

- Provided as standard on the Wispa range, for patient and carer safety.

Approval standards

The Chiltern Invadex Wispa Hoist carries the CE mark and complies with :-

- The essential requirements of the Medical Device Directive (93/42/EEC).
- Manufactured and tested to relevant sections of BS EN10535.
- TUV approved.



Rental and lease programmes

The gantry system in either single or double cartridge format is also available to rent on a rental/leasing programme. This provides maximum flexibility to hospitals in their patient management and finance.

Servicing is taken care of by Chiltern Invadex

To meet LOLER (Lifting Operations and Lifting Equipment Regulations 1998) the hoists are load tested and inspected every six months and also serviced annually by Chiltern Invadex engineers.

Extended warranty programmes

A comprehensive Super Care Warranty is available, to cover the full cost of breakdown (both parts and labour) on Wispa products for a period of up to 5 years.

Weigh module option

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