



Moving Health Forward

Olympia XLow Acute Care Bed Review

Anita Rush MSC (Health Ergonomics)
Dip Health Care Studies, RGN
Independent Reviewer

Olympia XLow Acute Care Bed Review

Anita Rush MSC (Health Ergonomics) Dip Health Care Studies, RGN
Independent Reviewer

Background

Pressure ulcers are the single most costly chronic wounds in the NHS, estimated to cost between £1.4-£2.2 billion annually, which is 4% of the NHS total expenditure¹. A category IV pressure ulcer as an example, costs £16,000 to treat² whilst hospitalised patients who develop a pressure ulcer during their hospital stay are at a greater risk for increased length of stay as compared with patients who do not, resulting in a median excess length of stay of 4.31 days³. In addition to patient discomfort and pain, tissue damage places a major burden on healthcare through increased nursing time, hospitalisation, equipment provision, consumables and pharmaceuticals.

With this, and the numerous hospital beds available in the supply chain in mind, a bed needs to stand out amongst the many, be cost effective and assist with occupant independence and functionality, not only in bed but when accessing and egressing the bed.

The aim of this review is to identify the unique features and benefits of the Olympia Hospital XLow bed. Listed below are the salient points that have emerged from the review, primarily focused on the occupant using the Olympia XLow bed.

Compliance & Design

The Olympia XLow bed has been designed to optimise comfort, ensure organisations infection control criteria are met and is aesthetically pleasing. The Olympia XLow bed complies in full with the BS EN 60601-2-52:2010 Standard for Beds for Medical Use. This standard also governs the dimensions for side rails, to avoid any danger of entrapment all of which are met. The Olympia XLow bed offers design flexibility and as such, is suitable for use in both acute and care home environments. The bed offers a wide range of design combinations and features which are harmoniously connected to the frame, allowing it to be tailored to meet individual organisational needs and budgets.





Back Rest and Inclination Indicator

As mentioned in the introduction, reducing the risk of tissue damage through shear and friction is paramount. An important feature of the bed is both the retracting back rest and inclination indicator. The retracting back rest reduces the pressure on the pelvis, and prevents the occupant becoming stranded at the base of the back rest as there is no opening between the bedrails and the backrest. There is also an inclination indicator linked with the backrest, ensuring the patient is positioned correctly for nutritional and clinical procedures.

Nightlight

From a patient experience perspective, there are nightlights under the bed which enables the occupants to see at night. This feature will minimise the risk of falls.

Technical Manual

The operating and technical manual are very easy to read and follow. In addition, the 24/7/365 service backup and clinical support from Direct Healthcare Group are tailored to the customer's needs.

Conclusion

The review of the Olympia Xlow bed has highlighted significant benefits of procuring the low bed from an occupants and commissioning aspect. The salient points mentioned above include some cost-effective benefits of the bed i.e., falls prevention, pressure ulcer prevention and patient positioning.

The capability of the bed to enable occupant independence and functionality, from a commissioning perspective is of significant value, as it reduces carer time and enables the occupant to independently reposition in bed.

The ability to position an occupant correctly in bed is vital, not just for patient comfort but also as part of a planned programme of care. Finally, the flexibility of the bed design enables organisations to tailor the bed design to suit their needs and meet with budget expectations.



References

1. Pressure ulcers: revised definition and measurement, NHS Improvement, 2018
2. NICE Costing statement: Pressure ulcers, 2014
3. Graves N, Birrell F, Whitbot M. Effect of Pressure Ulcers on length of Hospital stay. *Cambridge University Press online* (2016)



Moving Health Forward

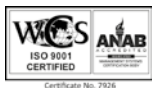
PRESSURE ULCER PREVENTION

SAFE MOVING & HANDLING

SPECIALIST THERAPIES

BATHROOM SAFETY

RENTAL & SERVICE SOLUTIONS



DHG
Withey Court, Western Industrial Estate
Caerphilly, United Kingdom
CF83 1BF

T: +44 (0) 845 459 9831
F: +44 (0) 845 459 9832
E: info@directhealthcaregroup.com



LIT-00041 Issue 1
Date: March 2022

DHG-HEALTHCARE.COM