

CASE EXAMPLE – John

PDG Bentley LT-R, Comfort Acta-Back, Comfort M2

David Miller, MA, OTR/L, ATP/SMS

CLIENT PROFILE & HISTORY

Demographics

John is 69 years old and married. He no longer lives at his home due to his changing health condition and wife can no longer care for him. John resides in a supportive assisted living center, surrounded by caring staff and fellow residents. The environment is designed for accessibility and social engagement, but John faces unique mobility and comfort challenges due to his health conditions. John is not very comfortable in his existing wheelchair and impaired mobility makes it's difficult to self-propel with both hands and feet.

John is a retired US Postal Worker and Army veteran who enjoys sharing stories from his service, reading, and participating in group activities when possible.

Diagnosis / Condition:

Secondary Progressive Multiple Sclerosis (MS) for about 10 years; secondary issues include: scoliosis, left lateral cervical flexion contracture, thoracic kyphosis, severe ataxia, spasticity, and bowel/bladder incontinence. John is seated in a posterior pelvic tilt and unable to reposition self in wheelchair.

General Level of Function

Non-ambulatory last five years and dependent on manual wheelchair for mobility. Requires maximum assist (two persons) for stand-pivot transfers. Prior to intervention, limited self-propulsion with both upper and lower extremities, approximately 10 feet. Difficulty coordinating arm and leg movements secondary to ataxia. Upper and lower extremities noted weakness and spasticity impacting ability to self propel previous standard wheelchair. Dependent in wheelchair for all MRADLs and uses para transit for medical trips to VA hospital outpatient services.

Current Wheelchair & Wheelchair Cushion

Invacare Tracer SX5, 2" foam cushion, sling seat and back upholstery.



PDG Bentley LT-R

SEATING CHALLENGES



Seating challenges at intervention

John has limited sitting tolerance due to insufficient positioning with back, seat, lower extremities and head. His transfers are challenged due to managing the swing-away leg rests. He is unable to independently propel his wheelchair. His functional reach is also limited due to lack of proper support and positioning. He also does not have an effective way to reposition himself during the day.

Skin integrity history at intervention

High risk for pressure injury for age risk factors, immobility, and postural asymmetries

SEATING GOALS

Seating goals with mobility device and cushion intervention

- Improved self-propulsion
- Better positioning and pressure management
- Pain reduction
- Improved transfer assistance with caregivers
- Pain reduction
- Environmental access
- Social interaction



Invacare Tracer SX5

Date: 2025/06/11

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OUTCOME



Outcome of mobility and seating intervention

Achieved goals of improved self-propulsion, postural stability, improved overall comfort. His transfers became easier and his push efficiency improved. Head positioning improved line of sight for visualizing his environment.



Medical

Experienced overall improved physical well being. Improved comfort from reducing pain in the back, neck, and buttocks. Improved psychological status, less feelings of depression/feeling down due to improved posture and mobility status.



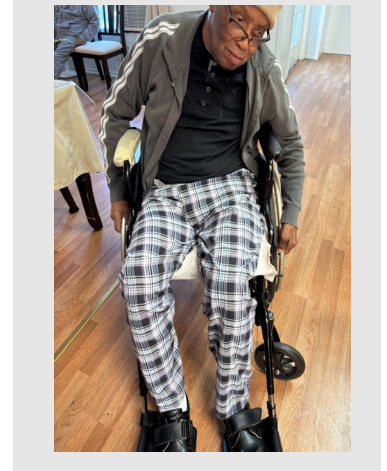
Functional

John can now sit comfortably for longer periods, improving his sitting tolerance. He can now reach for items easier due to increased postural support. His transfers with caregivers improved due to “easy out” leg rests and improved seat to floor height.



Psychosocial

As John can sit for longer periods of time with increased comfort and less concern about his skin integrity, he is now able to participate in group socialization activities.



BEFORE



AFTER

PRODUCT INFORMATION / SOLUTION IT OFFERS



Permobil PDG Bentley LT-R

The Permobil PDG Bentley LT-R is a tilt-in-space manual wheelchair designed for users who require enhanced positioning and pressure management. Its low seat-to-floor height allows for easy foot propulsion, while the 20° posterior tilt provides optimal comfort and pressure relief. The Bentley LT-R features adjustable seat depth, back angle, and armrests to accommodate a variety of user needs. Its robust frame supports active use, and the wheelchair is compatible with a wide range of seating and positioning options. This makes it ideal for long-term care and rehabilitation settings.

For more information, visit: <https://permobil.com/en-us/products/manual-wheelchairs/pdg-bentley-lt-r>



Permobil Comfort M2 Anti-Thrust cushion

The Permobil Comfort M2 Anti-Thrust Cushion is designed to promote pelvic stability and prevent forward sliding for wheelchair users. Its contoured foam base and anti-thrust shelf provide enhanced positioning and pressure distribution, supporting users at risk of sacral sitting. The cushion features a moisture-resistant cover for durability and hygiene. It is suitable for various clinical needs.

For more details, visit: <https://permobil.com/en-us/products/seating-positioning/cushions/comfort-m2-anti-thrust>

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Permobil Comfort Acta-Back Deep

The Permobil Comfort Acta-Back Deep is a contoured wheelchair back support designed for enhanced postural support and comfort. Its deep lateral contours provide optimal trunk stability, making it ideal for users needing moderate to maximum support. The Acta-Back Deep features adjustable hardware for precise positioning and a breathable, padded cover for comfort. This back support is compatible with a wide range of wheelchairs, ensuring versatility and ease of installation.

For more information, visit: <https://permobil.com/en-us/products/seating-positioning/back/comfort-acta-back-deep>



Permobil Comfort BodiLink Head Support

The Permobil Comfort BodiLink Head Support with Max 8 Hardware delivers exceptional strength, comfort, and adjustability for users with complex positioning needs. Its piano-hinge style joints and double taper design make it the strongest hardware available, while offering mid-line and lateral-offset options for maximum flexibility. The premium pad shape increases surface contact, redistributes pressure, and supports stable head positioning. With nearly unlimited adjustability, the Max 8 hardware is ideal for both high-tone and heavy-use clients seeking reliable, comfortable support.

Learn more: <https://www.permobil.com/en-us/products/seating-and-positioning/bodilink-head-supports>

RESEARCH REFERENCES

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