

## Case Study for Broda app Seating System

The trial for the Broda app Seating System initiated on 11/13/15. The patient (J. P) is a 94 year old female with a diagnosis of CVA and scoliosis. Pt presented with hip and knee contractures resulting in legs drawn up in a flexed position with knees resting to the right side. She is able to make her needs known. Prior to this trial, Pt had refused to spend time out of bed and would complain of pain with any range or movement of her legs.

Occupational Therapy became involved in her case when notified by nursing that Pt has a weight loss. The Patient's nursing aide had also been able to move her from the bed to a large, overstuffed recliner which allowed for Pt's unique posture of BLE. The new goal was to find a wheel chair that would accommodate this Patient and allow her to eat in the dining room and participate in social activities for increased quality of life. We contacted our provider of Broda chairs inquiring about extra padding to allow for full coverage of the frame of the chair and also extra pressure relief of the coccyx area to prevent pressure ulcers.

Pt has been positioned in a 22 inch wide Broda chair (extra width of chair to allow for legs to be in the seat area as they will not extend onto the legrest). The app system was added to the chair. This system also provides additional lateral torso support and adjustable head support to keep Pt in mid line of the chair. The padding on the lateral supports are securely attached to prevent exposure of the metal frame along with additional padding on the elevating legrest supports and footplate. In this case, the foot plate was removed as it was not needed to support the Patient's feet.

In preparation for the Patient to leave her room and enter a more active social setting, her nursing aide started turning on the TV more often and turning up the volume in preparation for the sounds of the main dining room. The first week, the Patient was only up for lunch. She ate at the nurses' station to avoid over stimulation and potential increased stress/anxiety. The second week, the Patient was introduced to the main dining room and positioned in a quieter corner with minimal foot traffic.

The Patient has done extremely well with the Broda app Seating System. She is now able to sit up in the chair for lunch and throughout the afternoon. Many days she will not request to go back to bed until after dinner. She has increased her level of socialization and overall quality of life. She has not presented any skin breakdown nor pressure areas. The flexibility of the Broda chair with recline and tilt in space features allows the staff to adjust the Patient's posture throughout the day to maximize comfort.

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