



In his old chair, Nikke could sit but was not able to stay up for long periods of time

## Fuze T50 Case Histories



In his new chair, Nikke is able to move easily, maintain comfort and good posture.

### Nikke

#### Overview:

Nikke is 21 years old.

Dx: Chromosomal multiple anomaly. He presents with cognitive impairment. Is visually and hearing impaired.

Attends day care center with full day needs.

Helps with ADL functions and transfers.

Communication with sounds and face expression.

#### Outcomes:

Manoeuvres Fuze T50 manual wheelchair with right hand inside the house and at day care centre.

Has Better seating position and in more comfortable

Now has the ability to change tilt angle during day and improved overall function



### **Joan - I feel less handicapped now.**

#### **Overview:**

Joan is a 54 year old woman with Multiple Sclerosis, living in a facility outside Boston. Joan used a basic manual wheelchair. During the day, she had increased fatigue and decreased muscle strength. She leaned to the right and was not able to hold herself upright in her wheelchair. Although she continued to be able to propel a manual wheelchair, her poor posture was affecting her overall health and well being. People in similar situations often move to a power chair but Joan wanted to stay with a manual wheelchair. Joan's assessment revealed that sitting upright in her standard manual wheelchair led to her poor posture. She needed some posterior tilt to address her postural needs. Joan has good range of motion for sitting. She requires lateral trunk supports to sit straight in the wheelchair. Joan's goal is to stay in a manual wheelchair to maintain independent mobility in her facility and in her community. With a Fuze T50 tilt wheelchair, Joan has gravity assisted positioning, a Roho cushion, an AES back with swing-away lateral trunk supports, a Whitmyer headrest and lateral hip support. She is tilted 5° - 10° for eating or working on her computer and 17° to 20° for independent propulsion. Joan uses full tilt for repositioning and transfers. Since Joan began using her Fuze T50 her posture has dramatically improved. Joan often goes to a bookstore as she loves to read. Joan commented: "I feel less handicapped now. In my other chair, when I went to the book store, people felt sorry for me because I was slumped so far forward. I tried several other manual tilt wheelchairs before choosing this one. This one felt lighter and is easier for me to self-propel. In this chair, I am less handicapped looking and still have my mobility."

Thank you to Faith Saftler Savage PT, ATP, Seating Consultant at The Boston Home for this case study.

#### **Assessment findings:**

Standard manual wheelchair led to poor posture. Joan would slump forward due to fatigue. Joan had good range of motion for sitting. She was not interested in a power wheelchair.

#### **Goals:**

Stay in manual wheelchair but be independent for mobility in facility and her community.

#### **Product Parameters**

Tilt wheelchair for gravity assisted positioning.  
Access to wheels in tilt.  
Need headrest while in tilt.  
Contoured back to give lateral support.  
Full tilt for repositioning and transfers.

#### **Outcome. Measures:**

Gravity assisted positioning because of tilt.  
She is now able to propel herself independently and her posture dramatically improved.

Propulsion position – 20 degrees of tilt



Before



After

## Mark

### **Client Information:**

Mark – unknown diagnosis. Mark lives in a facility in Vancouver.

### **Key Assessment Findings:**

Mark slumps forward in his standard chair. He is developing an upper thoracic kyphosis. He has poor visual ability in his current position.

### **Goals:**

- Improve Mark's line of sight – vision
- Decrease the slumping forward

### **Product Parameters:**

Manual tilt-in-space chair

### **Product Supplied:**

Fuze T50

### **Outcome Measures:**

With 20 degrees of tilt, Mark's line of sight and his posture is much improved.