



Topic: Over-use Syndromes

Examples:

Rotator cuff injuries, humeral necrosis, spondylosis, lower back pain

The Problem:

- The shoulder is a relatively unstable joint and is exposed to excessive strain when the individual uses a manual wheelchair for mobility.
- Vibration and repetitive propulsion affects the shoulder and spine physiology and can lead to trauma.
- Poor body mechanics and heavy wheelchair components used during functional activities, such as car transfers can lead to shoulder strains.
- Incorrect wheelchair set up can exacerbate spinal kyphosis and flatten the lumbar curve, which can lead to shoulder and back pain.

The Solution:

- *VARILITE* air-foam floatation has been shown to minimize transmission of impact vibrations (RESNA 2000).
- *VARILITE* products are ultra-lightweight.
- The Talon back system promotes natural spinal curves.

