

Author Year Country Research Design Sample Size	Methods	Outcome
<p>Brienza & Karg 1998 USA Prospective Controlled Trial N=12</p>	<p>Population: Age=21-52 yr; BMI range: 17-32.3 kg/m². Treatment: Assessed forces for 3 different surfaces (flat foam, the initial contour and final optimized contour) with the force sensing array pad between the cushion and buttocks. Compared SCI to seniors group. Outcome Measures: Electronic Shape Sensor; Computer Automated Seating System.</p>	<ol style="list-style-type: none"> 1. There was no difference in tissue stiffness between SCI and senior group on any of the surfaces. 2. There was a significant difference in pressure for the initial contour condition between SCI and seniors (p=0.027, p=0.017, respectively), but not within other conditions. 3. The mean maximum depth was significantly deeper for the final contour as opposed to the initial contour (p<0.0001). Also, the mean maximum depth was deeper in the SCI group than the senior group within the final contour condition (p=0.016, p=0.052, respectively). 4. Significant differences in interface pressure were found between flat and initial contour (p=0.023) and flat and final contour (p=0.006). No difference was found between the initial and final contour condition.