

Table 25. Mesenchymal Stem Cells Transplantation Therapy for Anxiety following SCI

<b>Author Year</b> <b>Country</b> <b>Research</b> <b>Design PEDro</b> <b>Score Total</b> <b>Sample Size</b>	<b>Methods</b>	<b>Outcome</b>
<p><a href="#">Yang et al.</a> (2020)</p> <p>China</p> <p>RCT</p> <p>Pedro=</p> <p>6 Level</p> <p>1b N=68</p>	<p><b>Population:</b> <i>Intervention group</i> (autologous Bone Marrow Mesenchymal Stem Cells (BMSCs) transplantation therapy; n=34): Mean age=35.29±8.04yr; Gender: males=27, females=7; Mean time post injury=Not reported; Level of injury: thoracic: 34; Severity of injury: AIS A= 22; AIS B= 7; AIS C=5; Anxiety status=severe as assessed by the Self-rating Anxiety Scale.</p> <p><i>Control group</i> (standard occupational therapy, n=34): Mean age=34.67±7.59yr; Gender: males=26, females=8; Mean time post injury=not reported; Level of injury: thoracic=34; Severity of injury: AIS A= 20; AIS B= 9; AIS C=5; Anxiety status=severe as assessed by the Self-rating Anxiety Scale.</p> <p><b>Intervention:</b> Participants were randomized to receive Bone Marrow Mesenchymal Stem Cells (BMSCs) transplantation or standard occupational therapy. The BMSCs transplantation therapy group received 2x Bone Marrow Mesenchymal Stem Cells transplant 10d apart in addition to rehabilitation services for</p>	<ol style="list-style-type: none"> <li>1. The SAS and SDS scores of BMSCs transplantation group after treatment were significantly lower than those of standard occupational therapy group (p&lt;.001).</li> <li>2. The SAS and SDS scores of BMSCs transplantation group and standard occupational therapy group post treatment were significantly lower than those before treatment (p&lt;.001).</li> </ol>

	<p>1mo. The standard occupational therapy group received both physiotherapy and occupational therapy services for 1mo. Outcome measures were assessed before and after treatment.</p> <p><b>Outcome Measures:</b> American Spinal Injury Association (ASIA) scores, Motor and sensory function using the muscle strength grading standard and sense of pain and tactile sense, Self-rating Anxiety Scale (SAS), Self-rating Depression Scale (SDS).</p>	
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