

Supplementary: Accuracy of postoperative recall by degenerative cervical myelopathy patients using the modified Japanese Orthopaedic Association scale

Shuai Chang^{1,2,3,†}, Nanfang Xu^{1,2,3,†}, Yubo Luo⁴, Shaobo Wang^{1,2,3*}, Zhongjun Liu^{1,2,3*}

1. Department of Orthopedics, Peking University Third Hospital, Beijing, 100191 China
2. Beijing Key Laboratory of Spinal Disease Research, Peking University Third Hospital, Beijing, 100191 China
3. Engineering Research Center of Bone and Joint Precision Medicine, Ministry of Education, Peking University Third Hospital, Beijing, 100191 China
4. School of Mathematics and Statistics, Beijing Technology and Business University, Beijing, 102488 China

†These authors contributed equally to this work.

*Corresponding author

Shaobo Wang

Department of Orthopedics, Peking University Third Hospital, Beijing, 100191 China

Beijing Key Laboratory of Spinal Disease Research, Peking University Third Hospital, Beijing, 100191 China

Engineering Research Center of Bone and Joint Precision Medicine, Ministry of Education, Peking University Third Hospital, Beijing, 100191 China

Email: bysywangshaobo@outlook.com

Zhongjun Liu

Department of Orthopedics, Peking University Third Hospital, Beijing, 100191 China

Beijing Key Laboratory of Spinal Disease Research, Peking University Third Hospital, Beijing, 100191 China

Engineering Research Center of Bone and Joint Precision Medicine, Ministry of Education, Peking University Third Hospital, Beijing, 100191 China

Email: zjliu@bjmu.edu.cn

Article information:

Received: October 7, 2022

Revised: November 1, 2022

Accepted: November 3, 2022

Modified JOA17 Scoring Table (1994 version)

(please mark "√" on the corresponding evaluation score)

Note:

When the selection is between two scores, the lower score shall be selected;
 When the left and right nerve disorders are different, the lower score side score shall be recorded.

Scoring items	Scoring items
A. Sports function	B. Sensory function
<p>I.Fingers:</p> <ul style="list-style-type: none"> *Can't use any tableware, including chopsticks, spoons or forks, and/or fasten buttons (0 point) *Can't use chopsticks or write, can barely use spoons and knives and forks (1 point) *Can use chopsticks to hold large pieces of food, can barely write, can fasten large clothes (2 points) *Can use chopsticks, can't write words quickly, can fasten buttons (3 points) *Normal (4 points) 	<p>I.Pain:</p> <ul style="list-style-type: none"> *Sensation of upper limbs completely disappears (0 point) *Only 50% or less of normal sensation and (or) severe pain and numbness (0.5 point) *Only 60% or less of normal sensation and (or) moderate pain and numbness (1 point) *Only slight numbness (normal touch) (1.5 point) *Normal (2 points)

<p>II.Shoulder and elbow joints:</p> <p>Six grade muscle strength evaluation (MMT) I Muscle strength of trunk ,deltoid muscle and biceps brachii muscle, select the weaker one to record.</p> <ul style="list-style-type: none"> *Deltoid muscle or biceps brachii muscle strength \leq Grade 2 (- 2 points) *Deltoid muscle or biceps brachii muscle strength=Grade 3 (- 1 points) *Deltoid muscle or biceps brachii muscle strength=Grade 4 (- 0.5 points) *Deltoid muscle or biceps brachii muscle strength=Grade 5 (0 points) 	<p>II.Trunk:</p> <ul style="list-style-type: none"> *The sense of tenderness disappears completely (0 point) *Only 50% or less of normal feeling and/or severe pain and numbness are completely disappeared (0.5 point) *Only 60% or less of normal feeling and/or moderate pain and numbness (1 point) *Only slight numbness (normal touch) (1.5 point) *Normal (2 points)
<p>III. The lower limbs:</p> <ul style="list-style-type: none"> *Cannot stand and walk independently (0 point) *Able to stand, but unable to walk (0.5 point) *Walking on the flat ground requires crutches or other supports (1 point) *Walking on flat ground without support, but with unstable gait (1.5 points) *Do not support when walking on the flat ground, but must grasp the handrail when 	<p>III. The lower limbs:</p> <ul style="list-style-type: none"> *The sense of tenderness of lower limbs disappears completely (0 point) *Only 50% or less of normal feeling and (or) severe pain and numbness (0.5 point) *Only 60% or less of normal feeling and (or) moderate pain and numbness (1 point) *Only slight numbness (normal touch) (1.5 point) *Normal (2 points)

<p>climbing the stairs (2 points)</p> <p>*Able to go up stairs by oneself, only when going down stairs must grasp the railings by hand (2.5 points)</p> <p>*Able to walk at a fast pace, but not fast, and has a clumsy gait (3 points)</p> <p>*Normal (4 points)</p>	
---	--

Epub ahead of print