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## Classification of post-traumatic deformities of the Thoracic and Lumbar Spine

**Afaunov Asker Alievich<sup>2</sup>, Alexander Kuzmenko<sup>1</sup>, Igor Basankin<sup>1</sup>, Vladimir Shapovalov<sup>1</sup> and Mikhail Ageev<sup>1</sup>**

<sup>1</sup>Research Institute Krasnodar Regional Hospital, Krasnodar, Russia

<sup>2</sup>Kuban State Medical University, Krasnodar, Russia

**Purpose:** To create a classification of post-traumatic deformities of the Thoracic and Lumbar Spine

**Material and Methods:** 124 patients with post-traumatic deformities of the thoracic and lumbar spine were treated. Patients were operated at the period of 6 months to 14 years from the moment of injury. The operations were carried out in the period 2003-2017.

**Results:** The classification based on three orthopedic features. The classification offers 120 variants of post-traumatic deformations of the Thoracic and Lumbar Spine. Variants of deformation are indicated by three symbols: a number, a letter, a number. For example 4.B.1 or 2.E.3, etc. Four grades of neurological risk are an additional option and indicated by the Latin letter N with a number from 1 to 4.

**Conclusion:** The created classification systematizes variants of post-traumatic deformations of the Thoracic and Lumbar Spine according to three orthopedic features. Classification will allow substantiating individual variants of surgical treatment. Classification can be a subject of discussion of interested specialists. In the future, the classification will be the basis for the algorithm for surgical treatment of patients with post-traumatic deformities of the Thoracic and Lumbar Spine.

### Classification of posttraumatic deformities

1					2					3					4				
A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N – 1, 2, 3, 4																			

### Biography

Afaunov Asker Alievich has been treating diseases of the Spine more than 20 years. Since 2010, he has been the Head of the Department of Orthopedics and Traumatology of Kuban State Medical University, Krasnodar, Russia. Asker Afaunov has more than 200 scientific publications.

e: afaunovkr@mail.ru