Pavol Kostka, J Spine Neurosurg 2018, Volume 7
DOI: 10.4172/2325-9701-C1-012

Method of intervertebral plate growth by impedance therapy

Pavol Kostka
Slovak Medical University in Bratislava, Slovakia

Impedance therapy offers a new perspective of the treatment of degenerative backbone changes of non-infectious origin with objective controls of structural changes in the backbone. During the therapy, SEI–a specific electrical impulse is applied through the electrodes to the surface of the patient's body, and then the response of the organism is measured. According to the data obtained, we modulate the pulse/response process to induce regeneration; degenerative changes are removed. The patient undergoes the therapy repeatedly. Within one week, this therapy may be administered 2–3 times. The first manifestations of induced regeneration, i.e., the effect of impedance therapy aimed to induce growth of the intervertebral plate that has been altered by degenerative changes of non-infectious origin, can be observed after 45 days. The optimal length of treatment with impedance therapy, in case of repeated therapies, is 4–5 months in the first round. This may vary according to how severe the medical condition is. The first round of therapy is followed by maintenance therapy at a frequency of 2–3 times per month for a period of 4–5 months. After this interval, the treatment is terminated, and the patient may occasionally undergo the therapy about once a month. MR control scan of the affected part of the backbone should be performed every 2–3 months in order to best identify the regeneration of the organism and thus the presence of the DGU phenomenon ("Discgrowup"). The impedance therapy method offers a new look at the course and prognosis of degenerative backbone changes of non-infectious origin. The results indicate the possibility of reversing these degenerative changes and thus actively intervening in the degenerative cascade of the three-articular complex of the individual spinal motion segments as described by Kirkaldy and Willis. A detailed analysis of our methodology, at the level of the structured data obtained upon being applied to the patient, can offer an innovative treatment process with measurable result in degenerative backbone diseases of non-infectious origin. This phenomenon was confirmed in 984 patients (June 2017).

Biography

Pavol Kostka completed his Graduation from the Faculty of Medicine of the Comenius University in Bratislava. In 1996, he began to deal with degenerative changes of the spine. At present, he is the Chief Physician Principal of the Clinic of Impending Therapy, which is the only one in Slovakia to treat civilization of the spine. He has published impedance therapy theories and is a Member of the Medical Chamber in Slovak as well as Czech Republic.

Notes: