Voronoi diagrams in the treatment of giant aneurysms of a. basilaris - technique “Waffle cone”

Haris Huseinagic
Clinical Center Tuzla, Bosnia and Herzegovina

Endovascular treatment of giant basilar artery aneurysm is a complex procedure that requires the work of an experienced team and a range of materials and techniques available.

Treatment of a giant aneurysm of the basilar artery in the body which includes the initial parts of both arteriae cerebelaris posterior was a special kind of technical challenges and use techniques Waffle cone.

Technically it was not possible to implement the classic waffle cone technique, and made modifications to the horizontal stenting in the right artery cerebelaris posterior, and above it are set Koil, and the aneurysm successfully closed with rear patent cerebellar artery. Technical correctly written procedure with good outcome for the patient left the question of objective verification of results.

Using Voronoi diagrams and indirect visualization of the 3D models of aneurysms with the analysis of the dynamics of flow (flow dynamics), an objective verification of results.

Results of verification coincide with the real results to the patient.

The new method of analysis of endovascular treatment has proven to be an effective model verification results

Biography
Haris Huseinagic is the head of Department of radiology and nuclear medicine in University Clinical Center Tuzla Tuzla, Bosnia and Herzegovina

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