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The invention relates to medicine, namely to neurosurgery.

Summary of the invention consists in that the device for intervertebral decompression and prosthesis contains a rod with two supports for vertebral, and additionally includes an articulated frame in the form of rhombus of plates with their faces joined by axes, wherein one rod face is fixed to one of the axes and the second face is made with a thread, being passed through the frame opposed top axis and provided from inside with a screw nut for controlling the top axes spacing, the supports being fixed to the axes of the other two frame tops. The contact surface of the supports for vertebral are tooth shaped.

The result consists in the adequate intervertebral decompression without affection of the adjacent vertebral, in the early mobilization of the patient, stable fixation of vertebral column after prosthesis.