

## **Radiological Methods of Diagnosis in Patients with Hydatid Disease of the Spine (the Review of the Literature and the Clinical Observation)**

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### **Abstract**

Echinococcosis is endemic parasitic disease caused by a type of tapeworm *Echinococcus granulosus* and *multilocularis*. Bones are affected in 1–4 % of cases, more than 50 % of these is the spine. The disease has a long asymptomatic period and the first clinical manifestations occur because the destruction of bone and compression neural structures of the spinal canal. For the diagnosis of bone echinococcosis it used radiologic studies, including computer and magnetic resonance tomography. It is also used serological tests, but these methods hasn't a high sensitivity and specificity, so the diagnosis is established only according to histology. The method of choice in the treatment is surgery with a course anthelmintic therapy.

**Key words:** Echinococcosis, Hydatid Disease, Bone Cystic Lesions, Computed Tomography, Magnetic Resonance Imaging.

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