

## Evaluation of Risk of Possible Abdominal Compartment Syndrome with Multispiral Computed Tomography in Patients with Ventral Hernias

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### Abstract

The aim of the study was to prognose the risk of possible Abdominal compartment syndrome (ACS) in patients with ventral hernias during preoperative period with use of multispiral computed tomography. In preoperative period 22 patients with ventral hernias were examined. On the basis of computed tomography data the mathematical analysis of abdominal volume loss has been conducted and grades of risk (low, medium and high) of possible ACS have been distinguished. This allowed to purposefully modify preoperative preparation and planned hernioplasty.

**Key words:** Multispiral Computed Tomography, Ventral Hernia, Abdominal Compartment Syndrome, Prognosis.

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