

**Correlations between the risk factors and complications in the conventional surgery of varicose vein disease**

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**Abstract**

The primary varicose vein disease, a largely spread affection, constitutes a present challenge and a major health concern because of its increased prevalence and the high expenses of treatment and patient care. Due to the modern instruments, preoperative investigations and the increased understanding of the physiopathological mechanisms in the alteration of venous return, this objective can be achieved easier. Nevertheless, according to an analytical retrospective observational study performed at the Surgery Clinic II, Cluj-Napoca, on 957 patients with varices of lower extremities, postoperative

complications occur in 11 percent, due to additional costs and patients' negative social and professional consequences. Another study performed at the same clinic on 1066 patients with primary varicose disease reveals the high incidence of the risk factors (62%) and progressive complications (44%). Furthermore, the study shows that patients tend to seek help at late stages of disease, which requires a longer hospitalization period and implicitly higher costs of postoperative care and treatment. A correct sanitary education of the affected

population would reduce the treatment expenses. In addition, a more efficiently control of the disease, the prevention of

progressive complications incidents, and the adequate

surgical procedure that prevent the postoperative complications, would also reduce the costs.

Considering the high number of surgical interventions involved in varicose

disease treatment, the results presented in this study are of great significance for both surgeons and the institutions that

provide the funds for treatment.

**Key words:** primary varicose disease, risk factors, progressive complications, postoperative complications

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