

## **Abstract**

The aim of this thesis is to summarize the available data concerning the influence of thrombophilic states on the process of pregnancy and to present the results obtained by investigating the prevalence of congenital thrombophilia in infertile women and its influence on the success rate of assisted reproduction. It is aimed at those interested in the problematics – be it professionals, medical students or women planning pregnancy or cannot get pregnant. The theoretical part draws data from literature written by leading Czech experts in the field and from scientific journals, included are also foreign sources. The practical part was executed with the kind permission of the PRONATAL s.r.o. centre for assisted reproduction.

**Key words:** venous thromboembolism, thrombophilia, thromboprophylaxis, gravidity, mutation, screening