

This bachelor work follows up the comparison of new antithrombotics with the existing commonly used drugs. The theoretical part describes the individual drugs, their characteristics, indications, advantages and disadvantages. The work presents a comparison of the need for routine laboratory monitoring of individual drugs.

The practical part of this work describes methods for the determination of the existing and new drugs and compare them. The work contains the results of measurements of new antithrombotics by the individual methods of determination. I compared the measured results of the commonly used methods with methods designed directly for the determination of new antithrombotics and I evaluate which routine methods can be used to approximate assessment of new preparations. The samples from patients treated with anticoagulant therapy and healthy persons provided the Department of Clinical Hematology, University Hospital Motol in Prague.