

**THE INFLUENCE OF A LONG OF DURATION MOUNTING
TOURNIQUET ON A BLOOD VEINS AGAINST OF
PROTROMBIN TIME (PT) EXAMINATION**

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ABSTRACT

Determination of prothrombin time (PT) examination results using plasma as a sample, to get the sample staff of laboratorium will do flebotomi. Flebotomi on venous blood vessels is one part of pre analytic clinical laboratory examination on the steps covering the mounting tourniquet. The mounting tourniquet on the process of flebotomi shouldn't be more than 1 minute. The mounting tourniquet too long at the time of blood venous removal, can cause the release of tissue thromboplastin into the bloodstream and contaminate blood samples during venous puncture. The purpose of research to know the influence of a long of duration mounting tourniquet on blood vens against of protrombin time (PT) examination. The type of research is pre-experiment that will be analyzed by Paired t-test. Results of the study showed the average results of protrombin time (PT) examination with the duration mounting tourniquet 60 seconds is 11.5 seconds, while the average results of examination of protrombin time (PT) with the duration mounting tourniquet 90 second is 10.9 seconds. Based on the Paired t-test, the results of the study showed there was a significant influence on the long of duration mounting tourniquets against the result of the protrombin time (PT) examination.

Key words: the use of tourniquets, protrombin time (PT)