## DIFFERENCE TREATMENT OF SAMPLE HANDLING BLOOD ON HEMOGLOBIN CONTENTS

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## ABSTRACT

Blood is a suspension of particles in a solution containing electrolytes. The main component of blood consists of plasma and solid components. One of the routine blood tests is the examination of hemoglobin levels of the veins. There are two different treatment treatments in the preanalytic process (early stages) that determine the quality of the samples obtained and affect the hemoglobin level, such as inserting the needle and releasing the needle on the tube. The objective of the study was to assess the effect on hemoglobin levels by treatment of two different blood samples. The research was conducted at Hematology Laboratory of Faculty of Nursing and Health Muhammadiyah Semarang. Study time in August 2017. The study sample used venous blood given two different treatment treatments (removing the needle and inserting the needle on the tube). The mean of hemoglobin level examination on blood sample by inserting needle on EDTA vacuitainer tube is 13,03 g / dl, while by needle release is 12,89 g / dl. The results of statistical analysis showed no significant difference in hemoglobin concentration results in two different treatment samples.

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