



Research article

## Correlation of bleeding time and clotting time with blood pressure, pulse rate and respiratory rate: a pilot study

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### Abstract

The present study is to correlate bleeding time and clotting time with blood pressure, pulse rate and respiratory rate. A total of 30 apparently healthy, male and female students aged 18-25 years, were included in the study. Bleeding time, clotting time, blood pressure, pulse rate, respiratory rate was recorded by standard methods. Significant positive correlation was present between DBP and Pulse rate with bleeding time ( $P < 0.05$ ). Significant negative correlation was observed between respiratory rate with bleeding time ( $P < 0.05$ ). Significant negative correlation was present between clotting time and systolic and diastolic blood pressure ( $P < 0.05$ ). Significant positive correlation was observed between pulse rate and respiratory rate with clotting time ( $P < 0.01$ ). Our study observes correlations between bleeding time and clotting time and blood pressure, pulse rate and respiratory rate. We recommend further detailed studies in this area to understand in detail about the associations, to support diagnostic importance of bleeding time and clotting time.