

## ORIGINAL ARTICLE

# Study of Hepatic Involvement and Thrombocytopenia in Dengue

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## Abstract

**Objective:** The purpose of this study was to assess the pattern of hepatic involvement and thrombocytopenia in patients with dengue fever and time taken for clinical/biochemical recovery.

**Methods:** This is a retrospective study done in a tertiary centre. A total of 1111 patients with documented dengue fever, either with NS<sub>1</sub> antigen/IgM antibody positive report who were admitted between January 2016 to December 2016. The aminotransferase levels and platelet counts were measured on day 1,4 and7. Patients were assessed clinically on day 1,4,7 or till discharge/death accordingly.

**Conclusion:** Out of 1111 patients with dengue infection, 993 had either thrombocytopenia or hepatic involvement or both. Majority of patients with thrombocytopenia and hepatic dysfunction recovered between 4-7 days of admission i.e 53.98% and 29.20%. Statistically significant correlation of platelet count and aminotransferase levels with recovery or death of the patient was seen in our study.