

**Role of serum ferritin in dengue and its correlation with disease severity.**Dr. Asha Khubchandani<sup>1</sup>, Dr. Vidhi Patel<sup>2\*</sup>, Dr. Disha Gajjar<sup>3</sup>, Dr. Binal Prajapati<sup>4</sup>**Abstract:**

**Background:** Dengue is a self-limited, systemic viral infection transmitted between humans by mosquitoes. The rapidly expanding global footprint of dengue is a public health challenge with an economic burden that is currently unmet by licensed vaccines, specific therapeutic agents, or efficient vector control strategies. The present study is aimed at observing role of raised serum ferritin levels of dengue patients with the disease severity. **Aims and Objectives :**The present study was conducted to observe role of raised serum ferritin levels of dengue patients with the disease severity. **Material and Methods:** The present cross sectional study was conducted among 50 dengue patients in Civil hospital Ahmedabad, Gujarat. Laboratory investigations included Ferritin, Packed cell volume, and platelet count. Serum Ferritin was done by kit based Chemiluminescent Micro particle Immunoassay , Packed cell volume and platelet count was done on Fully Automated Hematology Analyzer Horiba ABX Pentra 80. **Results:** Raised serum ferritin levels were observed in 56% of patients with dengue. Significant association was observed between raised serum ferritin with Packed cell volume and platelets. **Conclusion:** Present study showed 56% prevalence of raised serum ferritin in dengue patients. High level showed strong correlation with increased Packed cell volume and low platelet levels, clinically reported with hematological symptoms.

**Key Words:** Dengue, Ferritin, Packed cell volume, platelets.**Authors:-**

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