

## ORIGINAL RESEARCH

36. **What Medical Students Can Learn from the 2024 Dengue Outbreak in Pakistan: Clinical Spectrum, Biochemical Abnormalities and Predictors of Severity**

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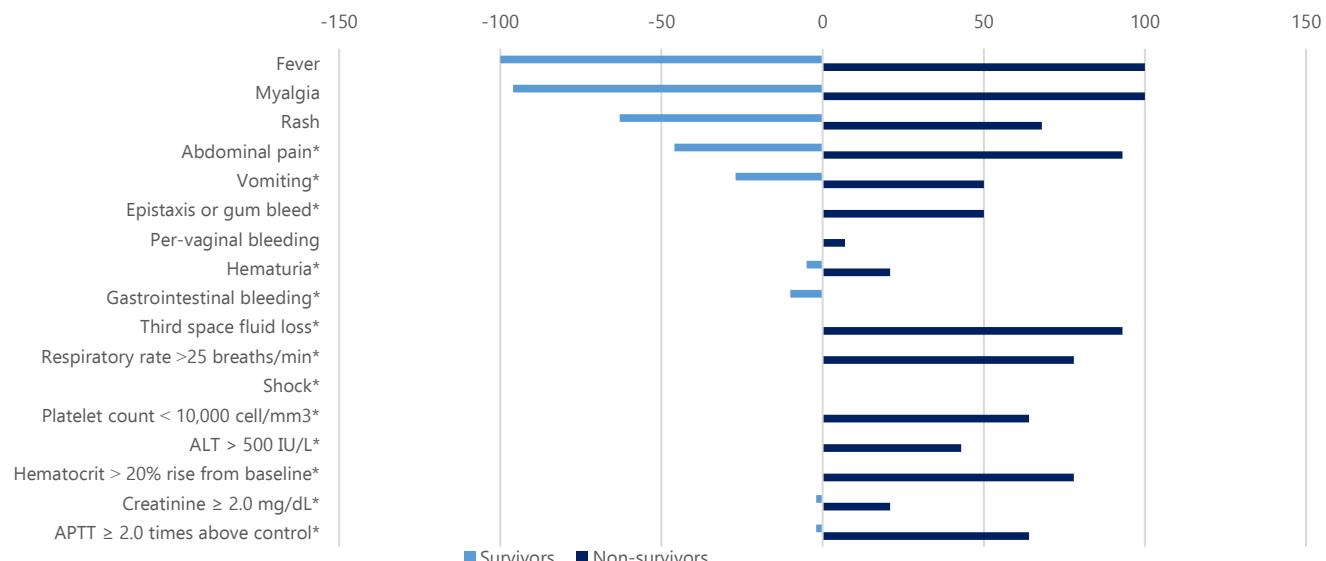
► [https://www.youtube.com/watch?v=4rJ3DHWeKR&lis\\_t=PLhgNq3xJClaf0OY5bvBcgMmXpgzJxd44&index=6&t=6666s](https://www.youtube.com/watch?v=4rJ3DHWeKR&lis_t=PLhgNq3xJClaf0OY5bvBcgMmXpgzJxd44&index=6&t=6666s)

**Background:** To provide insights into the demographic profile, clinical manifestations, biochemical abnormalities, and outcomes of patients admitted with dengue fever (DF) during the 2024 outbreak in Pakistan.

**Methods:** This prospective cohort hospital-based study was carried out at Fauji Foundation Hospital Rawalpindi from August to November 2024. DF was diagnosed on the basis of positive Dengue NS-1 antigen or IgM antibody or both. Patients under 12 years, having other causes of fever or chronic co-morbid diseases were excluded. Demographic data, symptoms, clinical examination signs and laboratory parameters were recorded on a proforma. Severity of dengue was based on WHO revised classification of 2009. Data were analyzed using SPSS, version 21.0.

**Results:** A total of 198 patients were included and majority of them (83.8%) were from the Pothohar Plateau of Punjab comprising of Rawalpindi, Chakwal, Jhelum and Attock districts. Diagnosis was based on positive Dengue NS-1 antigen in 132 (66.6%), positive IgM

**Figure 1.** Dengue Fever; Clinical Presentation According to Severity



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