

Special Issue

New Diagnostic and Therapeutic Aspects of Thrombotic Thrombocytopenic Purpura

Message from the Guest Editors

Thrombotic thrombocytopenic purpura (TTP) is a rare and life-threatening thrombotic microangiopathy caused by the congenital or acquired severe deficiency of the von Willebrand factor cleaving protease, ADAMTS13. Acute TTP is a medical emergency requiring a fast differential diagnosis and immediate treatment, which is often challenging due to the overlap of clinical and laboratory features with other thrombotic microangiopathies. Diagnostic and therapeutic advancements in the last decade, including the increased availability of ADAMTS13 testing and the development of caplacizumab, the first targeted therapy for acquired TTP, have significantly improved the management of acute TTP and reduced the burden of such short-term outcomes as mortality and exacerbation of acute disease. At the same time, new clinical challenges have emerged, to mention one addressing the burden of long-term complications of TTP and cardiovascular comorbidities in TTP patients in remission. This Special Issue will cover new diagnostic and therapeutic aspects of TTP care, with the scope of advancing our knowledge and clinical intervention to address the current challenges of TTP management.

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