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Coagulation profile in Myeloproliferative Neoplasms

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Myeloproliferative diseases are a heterogenous group of disorders characterized by cellular proliferation of one or more hematologic cell lines in the peripheral blood. The clinical course of myeloproliferative neoplasms (MPN) being frequently complicated by thrombotic events. The main objective is to evaluate the coagulation profile in patients with Myeloproliferative Neoplasms. The methods included a total of 55 patients of myeloproliferative neoplasms (Chronic Myeloid leukemia, Polycythemia Vera, Essential thrombocytosis and Primary Myelofibrosis) were studied over 1-year period. Coagulation profile was recorded. D-dimer was measured by Latex kit 60X, Prothrombin time, and Activated partial thromboplastin time with KC4 Amelung coagulometer, which resulted 55 cases of myeloproliferative

neoplasms Prothrombin time was elevated in 43.64%(n=24) cases, activated partial thromboplastin in 32.73%(n=18) and 20%(n=11) in D-Dimer and concluded the coagulation profile is found to be elevated in patients with Myeloproliferative Neoplasms which is comparable with other international studies.

Speaker Biography

Sadia Taj did her graduation in 2003 and did her FCPS residency from Shaikh Zayed Medical Complex Lahore from Jan 2012- April 2016. After passing her FCPS exam she started working as senior Demonstrator in Pathology department of FMH College of Medicine and Dentistry Lahore and Currently promoted as Assistant Professor Haematology.

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