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JAK 2 negative Polycythemia vera in tertiary care center in West UP population in India :A rare presentation of 3 cases

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Polycythaemia vera (PV) belongs to the group of myeloproliferative neoplasms with excessive increase in hemoglobin levels. They are clinically characterized by nonspecific symptoms such as fatigability, pruritus, early satiety due to splenomegaly, increased risk of infections, and thrombotic events. JAK2 V617F mutation present in 80-90% of MPNs and JAK2 exon12 mutations are seen in 4%-5% cases of MPNs like PV. Activation of JAK2 by either point mutation or fusion protein causes activation of the JAK-STAT pathway. While mutations in JAK2 are reported in numerous MPN phenotypes, exon 12 mutations specifically result in erythrocytosis due to increased EPO signaling.

Biography

Neema Tiwari did her MBBS and MD in Pathology in Pathology from Eras Lucknow Medical college and Hospital, She is has worked as Senior Resident, Pathology in department of clinical hematology and hemato-oncology, King George Medical University, India and Post Graduate Institute of Child Health Noida, UP and has 4 years post PG experience. She is currently working as Assistant Professor in Subharti Medical College Meerut. She has done numerous intra-mural and extramural (ICMR,DST) research projects and has many national and international publications in indexed and peer reviewed journals(>40) to her credit. She is a reviewer for 3 journals to of which are pubmed indexed. She has presented papers in IAP,ICC and CAP conferences. She has recently presented a poster on MDS in the ISHBT-EHS TUTORIAL-2018 held in India.