

JAK2 V617F

Polycythaemia vera (PV) is a clonal proliferative disorder of the [bone marrow](#) characterized by autonomous [hematopoiesis](#), which results in a panmyelosis in the peripheral blood. It is typically characterized by an acquired mutation in [JAK2 V617F](#). Progression to [myelofibrosis](#) (MF), characterized by worsening cytopenias and the development of constitutional symptoms, is seen in up to 10% of cases. [Extramedullary hematopoiesis](#) (EMH) in the [spleen](#) is a common finding in myelofibrotic transformation, but elsewhere in the body, it is extremely unusual. Randhawa et al. reported the case of a 69-year-old male whose PV progressed to secondary MF and who presented with compression of the [thoracic spinal cord](#) directly as a result of EMH. Cytogenetic and molecular findings in the bone marrow were in keeping with evolving myeloid disease. He was managed by surgical [laminectomy](#) with an excellent outcome. Extramedullary hematopoiesis may be seen in both PV and on transformation to MF. This very rare complication should be borne in mind when managing patients with [myeloproliferative disorders](#). ¹⁾.

¹⁾

Randhawa MS, Harrison L, Walkden J, Watson H. Spinal cord compression secondary to extramedullary haematopoiesis in transformed polycythaemia rubra vera. J R Coll Physicians Edinb. 2022 Mar;52(1):24-26. doi: 10.1177/14782715221088912. PMID: 36146966.

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