

European LeukemiaNet (ELN) Consensus Criteria for Clinical Resistance and Intolerance to Hydroxyurea (HU) in Polycythemia Vera (PV)¹

The ELN issued criteria for HU resistance and intolerance:

- Patients are considered intolerant of or resistant to HU if even **one** of the criteria is met¹
- Symptoms of intolerance may also include gastrointestinal symptoms, pneumonitis, and fever at any dose of HU¹

HU RESISTANCE

After 3 months of HU, at a total dose of ≥ 2 g/day:

Need for phlebotomy to maintain hematocrit levels $< 45\%$

OR

Platelet count $> 400 \times 10^9/L$ and white blood cell (WBC) count $> 10 \times 10^9/L$

OR

$\leq 50\%$ reduction in splenomegaly or failure to completely relieve splenomegaly symptoms

HU INTOLERANCE

Leg ulcers or other unacceptable HU-related toxicities at any dose of HU

OR

ANC $< 1.0 \times 10^9/L$ **or** platelet count $< 100 \times 10^9/L$ **or** hemoglobin < 10 g/dL at the lowest dose of HU required to achieve a complete or partial response

ANC = absolute neutrophil count

HU = hydroxyurea

WBC = white blood cell

1. Barosi G, Birgegard G, Finazzi G, et al. *Br J Haematol.* 2009;148(6):961-963.