### Considerations When Choosing MPN Therapy

- Medication type
- How treatment is administered or delivered
- Pre-existing health issues or comorbidities
- Financial impact

### Myelofibrosis (MF) Treatment Options

- JAK inhibitor therapies
- Stem cell transplant for high-risk patients
- Treatments to manage anemia

<table>
<thead>
<tr>
<th>Approved JAK Inhibitors for Myelofibrosis</th>
<th>Momelotinib: JAK inhibitor being studied in clinical trials for the treatment of myelofibrosis.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ruxolitinib (Jakafi)</td>
<td></td>
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<tr>
<td>Fedratinib (Inrebic)</td>
<td></td>
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<tr>
<td>Pacritinib (Vonjo)</td>
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</tbody>
</table>

### Polycythemia Vera (PV) Treatment Options

- Phlebotomy
- Aspirin
- Hydroxyurea (Hydrea)
- Interferon
- Jakafi (JAK Inhibitor)
- BESREMi (ropeginterferon alfa-2b)

### Essential Thrombocythemia (ET) Treatment Options

- No treatment, monitoring of thrombotic risk
- Aspirin
- Interferon
- Hydroxyurea (Hydrea)
- Anagrelide (Agrylin)

### Common MPN Mutations

- JAK2 (JAK2V617F)
- Calreticulin (CALR)
- MPL
- JAK2 mutation: An acquired mutation in the majority of patients with MPNs. The mutation is found in approximately 50% of myelofibrosis (MF) and essential thrombocythemia (ET) patients and 95% of polycythemia vera (PV) patients.

### Possible Indicators of Disease Progression

- Change in blood count
- Change in symptoms
- Increasing spleen size

### Determining MPN Treatment Effectiveness

- Control of blood counts
- Control of symptoms and symptom burden
**Possible Treatments for MPN-Related Itching (Pruritis)**

- JAK inhibitors
- Antihistamines
- Antidepressants
- UV light therapy

**MPN Educational Resources**

- MPN Advocacy & Education International: [mpnadvocacy.com](http://mpnadvocacy.com)
- MPN Research Foundation: [mpnrf.org](http://mpnrf.org)
- The Leukemia & Lymphoma Society: [lls.org](http://lls.org)
- American Cancer Society: [cancer.org](http://cancer.org)

**Glossary Terms**

**Anagrelide**: Cytoreductive therapy used to treat the overproduction of blood platelets.

**Anemia (iron deficiency anemia)**: A condition that develops when the body lacks sufficient red blood cells. Symptoms of anemia may include fatigue, weakness, and shortness of breath, among others.

**Bone Marrow Biopsy**: Procedure that involves collecting a small sample of bone marrow, usually from the hip bone, in order to be examined by a laboratory. This procedure is used to confirm an MPN diagnosis and may be used to monitor the disease over time.

**Genetic Testing (molecular profiling or biomarker testing)**: Laboratory testing that identifies certain gene mutations, proteins, chromosomal abnormalities and/or other molecular changes that are unique to an individual’s disease. In cancer, it may be used to evaluate treatment or to make a prognosis.

**Interferon Therapy**: A type of therapy that interferes with the ability of viruses to reproduce and also boosts the immune system.

**JAK Inhibitors**: A class of therapy that interferes with the activation of the JAK-STAT pathway.

**Stem Cell Transplant**: Also called a bone marrow transplant, is a procedure in which healthy blood stem cells are used to replace damaged or diseased bone marrow.

**Pruritis**: Severe itching of the skin, a common and challenging symptom for patients with PV.

**Rusfertide (PTG-300)**: Being studied for the treatment of phlebotomy-dependent polycythemia vera (PV) patients.

**Standard of Care**: An established guideline that is consensus among experts as the most appropriate and/or effective treatment for a specific type and stage of cancer.

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**Thank You To Our Partners**

- CancerGRACE
- Cancer Support Community
- MPN Voice
- MyHealthTeam
- National Organization for Rare Disorders (NORD)
- Scientific Education Support

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