Advancing the Myelofibrosis Treatment Paradigm

A Case-based Collaborative for the Advanced Practitioner in Oncology





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Faculty Information & Disclosures



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Other HCPs:

Other members of the care team will receive a certificate of participation.







Learning Objectives



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- Assess the pathogenesis and progression of myelofibrosis, including underlying pathophysiologic mechanisms and the most frequently related primary mutations
- Examine the patient burden of myelofibrosis, reviewing its prevalence, clinical manifestations, and evidence-supported risk stratification and diagnostic strategies
- Appraise the current treatment landscape for myelofibrosis, identifying healthcare disparities and inequities while focusing on areas of greatest unmet need for patients
- Explore therapeutic targets for myelofibrosis treatments
- Using a case-based approach, design individualized treatment plans for patients with myelofibrosis, highlighting clinical scenarios commonly encountered by the advanced practitioner, including recognition, mitigation, and management of adverse events































Diagnosis: Post-PV & Post-ET Myelofibrosis

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	WHO Diagnosis of Post-ET MF	WHO Diagnosis of Post-PV MF
Required Criteria:	 Documentation of a previous diagnosis of ET as defined by the WHO criteria Bone marrow fibrosis grade 2-3 (on 0-3 scale) or grade 3-4 (on 0-4 scale) 	 Documentation of a previous diagnosis of PV as defined by the WHO criteria Bone marrow fibrosis grade 2-3 (on 0-3 scale) or grade 3-4 (on 0-4 scale)
Additional Criteria (≥2 required):	 Anemia and ≥2 g/dL decrease from baseline hemoglobin level A leukoerythroblastic peripheral blood picture Increasing splenomegaly defined as either an increase in palpable splenomegaly of ≥5 cm (distance of the tip of the spleen from the left costal margin) or the appearance of a newly palpable splenomegaly Increased LDH (above reference level) Development of ≥1 of 3 constitutional symptoms: >10% weight loss in 6 months, night sweats, unexplained fever (>37.5°C) 	 Anemia or sustained loss of requirement of either phlebotomy (in the absence of cytoreductive therapy) or cytoreductive treatment for erythrocytosis A leukoerythroblastic peripheral blood picture Increasing splenomegaly of ≥5 cm (distance of the tip of the spleen from the left costal margin) or the appearance of a newly palpable splenomegaly Development of ≥1 of 3 constitutional symptoms: >10% weight loss in 6 months, night sweats, unexplained fever (>37.5°C)
		Barosi G, et al. <i>Leuke</i>
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---- PHQ2<3

-PHQ2≥3 (Worse Depressive Symptoms)

Langlais BT, et al. Leuk Lymphoma. 2019; Padrnos L, et al. Cancer Med. 2020.

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 Consistent with the reports of depressive symptoms in other hematologic malignancies































































































































Patient Cases

Advanced Practitioner Insights and Real-World Strategies for Optimizing Therapeutic Management of Myelofibrosis

All Faculty; Moderated by: Ashley Leak Bryant, PhD, RN, OCN, FAAN

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