Oncology Clinical Pathways Myelodysplastic Syndromes (MDS)

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Myelodysplastic Syndromes – Presumptive Conditions

VA automatically presumes that certain disabilities were caused by military service. This is because of the unique circumstances of a specific Veteran's military service. If a presumed condition is diagnosed in a Veteran within a certain group, they can be awarded disability compensation.

• Myelodysplastic Syndromes are currently not presumptive conditions

For more information, please visit U.S. Department of Veterans Affairs - Presumptive Disability Benefits (va.gov)







Myelodysplastic Syndromes









Myelodysplastic Syndromes – Molecular Testing Table

Eligibility	Test Category	Test Type	Recommended Vendors	NPOP Coverage	Specimen Type		
Clinical Suspicion for Myelodysplastic Syndrome (MDS)	Flow Cytometry	Leukemia/lymphoma panel on bone marrow	Local VA or locally contracted vendor	No	Bone Marrow Biopsy, Blood		
	FISH	FISH (-bone marrow or peripheral blood) only if karyotype unsatisfactory or logistically difficult to order* MDS panel, including -5/5q; -7/7q; +8; del(20q)	Local VA or locally contracted vendor	No	Bone Marrow Biopsy, Blood		
	Karyotyping	Bone marrow karyotype	Local VA or locally contracted vendor	No	Bone Marrow Biopsy, Blood		
Bone Marrow Morphology Consistent with or Highly Suspicious for Myelodysplastic Syndrome	Somatic NGS**	Targeted myeloid NGS panel required genes include: TP53, KMT2A, FLT3, SF3B1, NPM1, RUNX1, NRAS, ETV6, IDH2, CBL, EZH2, U2AF1, SRSF2, DNMT3A, ASXL1, KRAS; desired but optional genes include: BCOR, BCORL1, CEBPA, ETNK1, GATA2, GNB1, IDH1, NF1, PHF6, PPM1D, PRPF8, PTPN11, SETBP1, STAG2, WT1, DDX41.	GLA Foundation Medicine	GLA Grant*** Yes	Bone Marrow Biopsy, Blood		
* FISH does NOT add value in MDS workup unless chromosomes/karyotype has unsatisfactory resolu certain resource limited areas this type of reflex te	s chromosomes/kai ition or <20 metaph sting algorithm may	ryotype are suboptimal; thus, ideally a workflow should be establishe ases; in addition, FISH and molecular studies may be performed on not be possible; in those circumstances it may be in the best interes	ed with the local pathology laboratory or a subsequent peripheral blood sample st of the patient to order FISH up front ir	referral lab such if needed; how order to avoid	that FISH is only performed if ever, it is understood that in excessive delays in diagnosis		
** Can be performed on subsequent peripheral blood sample, as long as neutrophils are at least 20% of total WBC							
*** Reach out to GLA for information on use of NGS testing under a VA sponsored grant, with no cost to your local facility							







Questions?

Contact VHAOncologyPathways@va.gov





