



Marfan Syndrome and Related Disorders Multi-Gene Panel Prior Authorization Ordering Instructions

Mayo Clinic Laboratories is pleased to offer prior authorization services and third party billing on our Marfan Syndrome and Related Disorders Multi-Gene Panel, Varies (MFRGP). To utilize our prior authorization services on this test, you must follow the process as outlined below.

Ordering and Prior Authorization Process

Mayo Clinic Laboratories utilizes an extract and hold process for prior authorization. To order MFRGP with prior authorization services, complete this document as instructed below by insurance type. **You must order test code MFRGP and send the completed paperwork in with the sample.** The receipt of the paperwork and sample at Mayo Clinic Laboratories will trigger the extract and hold process and generate a request to the MCL Business Office to verify your patient's insurance coverage for the testing and begin any additional prior authorization services.

If the expected patient out-of-pocket expense is \$200 or less after prior authorization services, Mayo Clinic Laboratories will automatically proceed with MFRGP testing. If the expected patient out-of-pocket expense is greater than \$200, Mayo Clinic Laboratories will seek approval from the client contact listed on the Patient Demographics and Third Party Billing Information form **before proceeding** with MFRGP testing. The MCL Business Office offers interest-free payment plans on balances over \$200.

Commercial Insurance

For patients with commercial insurance, complete the following, staple them together and send with the specimen:

- Patient Demographics and Third Party Billing Information form (required)
- Letter of Medical Necessity (required)
- Copy of front and back of insurance card (if available)

Note: The Advanced Beneficiary Notice of Noncoverage (ABN) form is not required for commercial insurance-covered patients.

Medicare

For patients with Medicare, complete the following, staple them together and send with the specimen:

- Patient Demographics and Third Party Billing Information form (required)
- Advanced Beneficiary Notice of Noncoverage (ABN) form (required – see separate ABN form: MC2934-198)
- Copy of front and back of secondary insurance card (if applicable)

Attach the ABN form and copy of the secondary insurance card to the Patient Demographics and Third Party Billing Information form and send with the specimen.

Note: The Letter of Medical Necessity and a copy of the Medicare card are not required for Medicare-covered patients.

Medicaid

Mayo Clinic Laboratories may be able to file claims for your Medicaid-covered patients. Before ordering, contact the MCL Business Office at 800-447-6424 to discuss. Have the patient's Medicaid information available when calling.

Note: These instructions are subject to change at any time. Call the MCL Business Office at 800-447-6424 with any questions.



*Prior Authorization
Patient Demographics and
Third Party Billing Information*

Client Order Number

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Patient Demographics and Insurance Information

Patient Name <i>(Last, First, Middle)</i>		Gender <input type="checkbox"/> Male <input type="checkbox"/> Female		Birth Date <i>(mm-dd-yyyy)</i>	
Patient Mailing Address			City		State
					ZIP Code
Primary Insurance Company Name		Insurance Subscriber ID No. / Policy No.		Insurance Group No. (if applicable)	
Primary Insurance Company Mailing Address			City		State
					ZIP Code
Primary Insurance Company Phone		Subscriber Name (if different than patient) and Relationship to Patient			

Order Information

MCL Test ID MFRGP	Name of desired MCL test Marfan Syndrome and Related Disorders Multi-Gene Panel, Varies				
ICD-10 Codes (use number codes to highest specificity)				Service Date (Collection Date)	
Referring Provider Name			Referring Provider's National Provider ID (NPI)		

Client Account and Client Contact Information

MCL Client Account Number (if known)	Referring Client Facility Name				
Contact Name			Contact Phone		
Contact Email			Date Today <i>(mm-dd-yyyy)</i>		

Attach the Following to This Completed Form

- Letter of Medical Necessity (required except for Medicare patients) – template provided on page 3
- Advanced Beneficiary Notice of Noncoverage (ABN) form (required for Medicare patients only) – see separate form: MC2934-198
 - Templates provided on the following pages
- Copy of Front and Back of patient's insurance card (if available)

Letter of Medical Necessity for Marfan Syndrome and Related Disorders Multi-Gene Panel Genetic Testing

Patient Name (Last, First, Middle) _____

Birth Date (mm-dd-yyyy) _____

Member Number _____

Group _____

ICD-10 Codes _____

To Whom It May Concern:

We are requesting preauthorization for the Marfan Syndrome and Related Disorders Multi-Gene Panel, Varies (MFRGP) performed by Mayo Clinic Laboratories for (insert patient name) _____

Patient's personal medical history is significant for _____

Patient's family history is significant for _____

Due to the patient's medical history, a diagnosis of Marfan syndrome or a related disorder such as Loeys-Dietz syndrome or Thoracic Aortic Aneurysm and Dissection (TAAD) is suspected and genetic testing is recommended.

Rationale: The use of genetic testing to distinguish the gene involved in Marfan syndrome and related disorders is supported by experts in the field and summarized by the 2010 Ghent nosology for Marfan syndrome, "In order to avoid persistent ambiguity even under the proposed criteria, molecular testing should be strongly considered because it influences the clinical management."^{1,2} Test results will have a direct impact on this patient's medical management, screening, and prevention of potential complications, including sudden cardiac death. Genetic testing is used to confirm a diagnosis and/or identify at-risk individuals.

Genetic testing is needed to verify the diagnosis of Marfan syndrome, Loeys-Dietz syndrome, or a related connective tissue disorder. Genetic testing would allow for the unequivocal diagnosis of a gene mutation causative of the patient's medical history, and would have significant implications for the patient's clinical management with regard to decision making for ongoing imaging and surveillance, surgery, as well as medical management. For example, if a mutation is identified in one of the genes associated with multiple aneurysms (TGFB1, TGFB2, SMAD3, TGFB2, or ACTA2), screening of the head and neck and potentially other regions of the arterial tree would be initiated to appropriately manage this risk. Alternatively, identification of an FBN1 mutation would eliminate the need for this additional screening, since aneurysms are typically isolated to the thoracic aorta in Marfan syndrome. Additionally, a mutation associated with Loeys-Dietz syndrome would provide evidence that earlier surgical intervention on the aorta would be required, given that individuals with this condition are known to experience aortic dissection at smaller aortic dimensions. A positive genetic test result would provide a definitive cause for this patient's history and would ensure this patient is being treated appropriately.

Marfan syndrome and related disorders are typically inherited in an autosomal dominant fashion; therefore, each child is at a 50% risk to inherit the mutation from an affected parent. When a familial mutation has been identified, genetic testing can identify family members who are not at increased risk to develop disease (non-mutation carriers). No other test can reliably differentiate unaffected family members, who do not require further screening, from presymptomatic affected family members, who must be followed closely by a cardiologist.

Test requested: MFRGP / Marfan Syndrome and Related Disorders Multi-Gene Panel, Varies is a cost-effective test that utilizes next-generation sequencing (NGS), to evaluate multiple genes for pathogenic mutations associated with Marfan syndrome and related disorders, including: ACTA2, CBS, COL3A1, COL5A1, COL5A2, FBN1, FBN2, FLNA, MFAP5, MYH11, MYLK, NOTCH1, PRKG1, SKI, SLC2A10, SMAD3, SMAD4, TGFB2, TGFB3, TGFB1, and TGFB2.

Laboratory information: Testing would be performed at Mayo Clinic Laboratories (TIN# 411346366 / NPI# 1093792350), a CAP-accredited and CLIA-certified laboratory, using 2020 CPT code: 81410.

Thank you for your thoughtful consideration of our preauthorization request. We look forward to hearing back from you.

Sincerely,

Ordering Clinician Name _____

Contact information _____

1. Loeys BL, Dietz HC, Braverman AC, et al: 2010. The revised Ghent nosology for the Marfan syndrome. J Med Genet 47:476-485
2. Hiratzka LF, Bakris GL, Beckman JA, et al: Circulation. 2010 Apr 6;121(13):e266-369

Advance Beneficiary Notice of Noncoverage (ABN)

Note: If Medicare doesn't pay for Items and Services below, you may have to pay.

Medicare does not pay for everything, even some care that you or your health care provider have good reason to think you need. We expect Medicare may not pay for the Items and Services below.

Items and Services	Reason Medicare May Not Pay	Estimated Cost
MFRGP / Marfan Syndrome and Related Disorders Multi-Gene Panel, Blood	Patient's personal and family history does not meet Medicare's medical necessity coverage criteria for this laboratory test.	\$2574.00

WHAT YOU NEED TO DO NOW:

- Read this notice, so you can make an informed decision about your care.
- Ask us any questions that you may have after you finish reading.
- Choose an option below about whether to receive the Items and Services listed above.

Note: If you choose Option 1 or 2, we may help you to use any other insurance that you might have, but Medicare cannot require us to do this.

Options: Check only one box. We cannot choose a box for you.

- OPTION 1.** I want the Items and Services listed above. You may ask to be paid now, but I also want Medicare billed for an official decision on payment, which is sent to me on a Medicare Summary Notice (MSN). I understand that if Medicare doesn't pay, I am responsible for payment, but **I can appeal to Medicare** by following the directions on the MSN. If Medicare does pay, you will refund any payments I made to you, less co-pays or deductibles.
- OPTION 2.** I want the Items and Services listed above, but do not bill Medicare. You may ask to be paid now as I am responsible for payment. **I cannot appeal if Medicare is not billed.**
- OPTION 3.** I don't want the Items and Services listed above. I understand with this choice I am **not** responsible for payment, and **I cannot appeal to see if Medicare would pay.**

Additional Information:

This notice gives our opinion, not an official Medicare decision. If you have other questions on this notice or Medicare billing, call **1-800-MEDICARE** (1-800-633-4227/TTY: 1-877-486-2048).

Signing below means that you have received and understand this notice. You also receive a copy.

Signature

Date (mm-dd-yyyy)

CMS does not discriminate in its programs and activities. To request this publication in an alternative format, please call: 1-800-MEDICARE or email: AltFormatRequest@cms.hhs.gov.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0938-0566. The time required to complete this information collection is estimated to average 7 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have comments concerning the accuracy of the time estimate or suggestions for improving this form, please write to: CMS, 7500 Security Boulevard, Attn: PRA Reports Clearance Officer, Baltimore, Maryland 21244-1850.