# MedStar Health, Inc. POLICY AND PROCEDURE MANUAL

Policy Number: MP.027.MH Last Review Date: 05/10/2018 Effective Date: 01/01/2019

## MP.027.MH – Genetic Testing- Topographic Genotyping

This policy applies to the following lines of business:

- ✓ MedStar Employee (Select)
- ✓ MedStar CareFirst PPO

MedStar Health considers **Topographic Genotyping (TG)** medically necessary for the following indications:

TG testing is covered when both of following indications are met:

- 1. Cystic lesions and masses of the pancreas when cytology is suspicious for cancer
- 2. Documentation of specific reasons for the additional testing, including how results will change patient management of their disease

### Limitations

- 1. TG testing (PathfinderTC®) is not intended for "first-line" pathology analysis
- 2. RedPath® Diagnostics (PathfinderTG®) for Topographic Genotyping will be considered an out-of-network provider

### Background

Topographic Genotyping (TG) is a cancer diagnostic testing mechanism combining pathologic study with molecular analyses of microdissected tissue. TG is claimed to enhance the ability to provide more specific diagnostic information and ultimately help guide cancer treatment decisions. The Centers for Medicare and Medicaid (CMS) describes this type of diagnostic method as an alternative to standard pathologic analyses which can provide inconclusive information at times. Loss-of-heterozygostiy based topographic genotyping and other molecular analyses are combined in a patented technology known as PathfinderTG<sup>®</sup>. This testing is approved by Clinical Laboratory Improvement Amendments (CLIA) & the College of American Pathologists (CAP).

Codes:

CPT Codes / HCPCS Codes / ICD-10 Codes	
Code	Description
84999	Unlisted chemistry procedure
The following code(s) require prior authorization:	



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81479 Unlisted molecular pathology procedure

### Variations

Topographical Genotyping is considered Experimental and Investigational for all products except Medicare. All PathfinderTG® indications other than pancreatic cyst fluid evaluation are considered investigational and are therefore not considered medically reasonable and necessary due to insufficient data on both analytical and clinical validity.

### References

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- 10. RedPath Integrated Pathology Inc. Overview: PathFinder TG<sup>™</sup> Accessed: 3/18/2014. <u>http://redpathip.com/physicians/overview</u>
- 11. Sasatomi E, Finkelstein SD, Woods JD, et al. Comparison of accumulated allele loss between primary tumor and lymph node metastasis in Stage II non-small cell lung carcinoma. Implications for the timing of lymph node metastasis ad prognostic value. Cancer Res 2002; 62(9):2681-2689. http://cancerres.aacrjournals.org/content/62/9/2681.full.pdf+html
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