

# WASHINGTON UNIVERSITY PATHOLOGY SERVICES

## CARDIAC DISEASE TESTING

Genetics and Genomic Services offers innovative testing for inherited cardiovascular conditions. Testing was developed in partnership with Washington University School of Medicine cardiologists and is designed to identify causative genetic variation in patients with cardiomyopathies, arrhythmias, or aortopathies. Panels include genes that are established causes of monogenic disease. Clients have the option to request expanded analysis of candidate and emerging disease genes.

### EXPERT CONSULTATION AND DIAGNOSIS

- Next-generation sequencing (NGS) for efficient, cost-effective testing designed to arrive at timely and accurate diagnoses
- Core and expanded gene panels for a majority of the Cardiac Disease subsets- testing options reflecting consensus NGS testing guidelines
- Concise, expert interpretations by experienced faculty board-certified in clinical genomics
- Consultation for results interpretation and other technical/clinical considerations

### COMPREHENSIVE DIAGNOSTICS

- Exome capture NGS for comprehensive and deep coverage of all accessible coding exons of ordered genes with robust detection of single nucleotide variants (SNVs) and small insertions and deletions (indels)
- Discrete orderable gene panels organized according to clinical presentations consistent with arrhythmias, cardiomyopathies or aortopathies
- Exome-level data for reanalysis on indeterminate cases, or those with negative findings, as indicated
- Reflex sending out testing for deletion/duplication analysis via aCGH, as clinically appropriate

### SPECIMENS ACCEPTED

- 2 to 5 mL peripheral blood in a lavender-top EDTA tube
- 2 to 4 buccal swabs
- Specimen kits available upon request

## FOR MORE INFORMATION OR TO ORDER A TEST, CONTACT:

**Phone:** 314-747-7337

**Email:** [gps@wustl.edu](mailto:gps@wustl.edu)

**Web:** [pathologyservices.wustl.edu](http://pathologyservices.wustl.edu)



## CARDIAC DISEASES TEST MENU

- Cardiac Diseases Gene Panel
- Arrhythmia Panel
- Brugada Syndromes Panel
- Catecholaminergic Polymorphic Ventricular Tachycardia (CPVT) Panel
- Long QT Syndromes Panel
- Cardiomyopathy Panel
- Arrhythmogenic Right Ventricular Cardiomyopathy (ARVC) Panel
- Dilated Cardiomyopathy (DCM) Panel
- Hypertrophic Cardiomyopathy (HCM) Panel
- Familial Thoracic Aortic Aneurysm and Dissection Panel

## STREAMLINED ORDERING, REPORTING AND BILLING

- Four weeks average turnaround time
- Reporting can be done via fax or electronically
- Assistance with insurance prior authorization process and determination of patient out of pocket costs for most insurances



Pathology & Immunology