

# Memorandum

**TO:** Cardiologists and Medical Genetics Units

**FROM:** Dr. Harriet Feilotter, Director, Medical Genetics Laboratory, KHSC  
Dr. Jean McGowan-Jordan, Head, Genetics Diagnostic Laboratory, CHEO

**DATE:** 2021 March 15

**RE:** Catecholaminergic Polymorphic Ventricular Tachycardia (CPVT) TESTING

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The molecular diagnostic laboratory at Kingston Health Sciences Center will be accepting samples for the analysis of genes associated with CPVT, commencing on **April 1, 2021**. The transition of this testing from CHEO to KHSC allows both labs to consolidate their testing for specific inherited cardiac disorders. The new assay to be offered by KHSC includes complete analysis of *CALM1*, *CALM2*, *CALM3*, *CASQ2*, *RYR2*, *TECRL* and *TRDN*, the genes associated with the most common forms of the inherited syndrome. Sample requirements are 10 ml of blood collected in an EDTA vacutainer. Samples should be sent to the KHSC molecular diagnostic laboratory, accompanied by the approved requisition, available at <http://www.kgh.on.ca/healthcare-providers/lab-requisition-forms>. Standard turn around time for the assay is 6 weeks from receipt of sample. Follow up testing for at risk family members is available in cases where a clinically relevant variant is identified.

Samples that are sent to CHEO for CPVT testing after April 1 2021 will be redirected to KHSC. Please update information in your clinics to reflect this change. Questions may be directed to Dr. Harriet Feilotter (hf4@queensu.ca) or Dr. Jean McGowan-Jordan (jordan@cheo.on.ca).