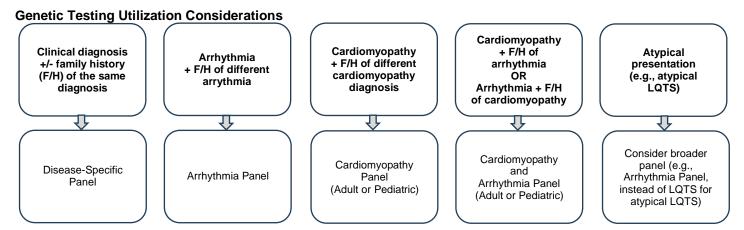


## CARDIOMYOPATHY AND ARRHYTHMIA Lab Requisition

CHEO (1)	Patient Name:	AIIII AN	ID AKKIII IIIWIA L	ab Nequisition
015.4		Last	First	Initial
Ship to: Genetics Diagnostics Laboratory	Health Card Number	<u>.</u>		
Room 3403	DOB: (dd/mm/yyyy):			
401 Smyth Road, Rm w3403 Ottawa, ON, K1H 8L1 Tel: (613) 738-3230 Fax: (613) 738-4814	Address:			
www.cheo.on.ca/GDL	Telephone:			
Collection Date:				
Collection Centre:	Sex:	Sex assigned a	t birth: ☐ Male ☐ Female	
CHEO Pedigree Number:				
ALL SECTIONS MUST BE COMPLET	] TED			
Sample Information				
☐ Expedited testing required, reason:				
☐ Blood 2x6mL EDTA ☐ Blood 2x3 ml EDTA (		nfant ≤1 year) 🗖 (	Cord Blood* 3 mL ☐ DNA*, Source:	
*Maternal sample (with separate requisition for MCC) is	s also required for cord blood and	d prenatal samples.		
HealthCare Provider Requesting Te	St (testing will be accepted	d from the follow	ing specialties: genetics, cardiolo	gy, neonatology)
Name:		COPY TO: Nam	ne:	
Registration #		Registration #:	<del></del>	
Address		Address:		
Telephone		Telephone:	-	
Fax:		Fax:	-	
Test Requested (see next page for list of	genes included in each na	anel)		
Familial Variant Testing	genes moraded in edon pe			
Gene: Variant c				
☐ Original copy of report attached ☐ Family m A separate test may be performed to confirm reported				and:
Cardiomyopathy (CM) (select most applicable	e indication to proceed with t	esting)		
☐ Adult CM Panel		☐ Adult Hyper	trophic Cardiomyopathy Pane	HCM)
☐ Pediatric CM Panel		□ Pediatric HC		
Confirmed or suspected diagnosis of:		Confirmed or suspected diagnosis of:		
□ Dilated CM (age:) □ Restrictive CM (age:)		☐ Asymmetric HCM (age:) ☐ Concentric HCM (age:) ☐ Apical HCM (age:) ☐ HCM, limited to basal septum (age:)		
☐ Arrhythmogenic CM (age:) ☐ Noncompaction CM (age:) ☐ Not affected ☐ Other, specify:		☐ Not affected ☐ Other, specify:		
Arrhythmia		L Not affected L	d Other, specify.	
Arrhythmia Panel		Long QT Synd	rome Panel	
☐ Arrhythmia without structural heart disease			uspected diagnosis of Long QT Syn	
Confirmed or suspected diagnosis of:			ergic Polymorphic Ventricular	Tachycardia Panel
☐ Cardiac conduction disease (age:) ☐ Short QT syndrome (age:)			suspected diagnosis of CPVT	
☐ Not affected ☐ Other, specify:			e gene (SCN5A) suspected diagnosis of Brugada syn	dromo
Combined CM and Arrhythmia		Committee or s	suspected diagnosis of Brugada syn	urome
☐ Adult CM and Arrhythmia Panel				
☐ Pediatric CM and Arrhythmia Panel				
☐ Diagnosis of CM + personal and/or F/H of arrhyth	mia			
☐ Diagnosis of arrhythmia + personal and/or F/H of	CM			
Other				
☐ Maternal Cell Contamination (MCC) S	Studies   DNA Storage	(DNA will be st	ored for 2 years) □ Single ge	ne testing:
Cardiovascular features				
☐ Hypertension on medication ☐ Pacemaker	Obesity Implantable of	ardioverter defibri	llator ☐ Diabetes ☐ Chemotherapy	r-induced CM
☐ Post-partum CM ☐ Other, specify:				
Family history in 1 <sup>st</sup> or 2 <sup>nd</sup> degree re	elative			
☐ Same phenotype as the patient ☐ Sudden ca	ardiac death<45y 🗌 No 🗖 U	Jnknown		

☐ Other CM or arrhythmia, specify:



F/H- family history. LQTS- long QT syndrome. Individuals 18 years old and under should be offered the pediatric panel. Individuals diagnosed (typically up to age 25 years old) should be eligible for the pediatric panel if the ordering clinical deems appropriate.

Gene content for the Cardiomyopathy and Arrhythmia Genetic Testing Panels

Panel	Number of Genes	Genes Included		
Cardiomyopathy Panels				
Adult HCM	45	ABCC9, ACTC1, ACTN2, ALPK3, BRAF, CACNA1C, CSRP3, DES, FHL1, FHOD3, FLNC, GLA, HRAS, JPH2, KLHL24, KRAS, LAMP2, LZTR1, MAP2K1, MAP2K2, MRAS, MT-TI, MYBPC3, MYH7, MYL2, MYL3, MYO6, NRAS, PLN, PPP1CB, PRKAG2, PTPN11, RAF1, RIT1, RRAS2, SHOC2, SOS1, SOS2, TNNC1, TNNI3, TNNT2, TPM1, TRIM63, TTR, VCL		
Adult Cardiomyopathy	81	Adult HCM panel + ACADVL, BAG3, CAV3, CTNNA3, DMD, DSC2, DSG2, DSP, DYSF, EMD, FKRP, FKTN, GAA, GATA4, HCN4, JUP, LDB3, LMNA, MIB1, NEXN, NKX2-5, NRAP, OBSCN, PKP2, PLEKHM2, PRDM16, RBM20, RRAGD, RYR2, SCN5A, TAFAZZIN, TBX5, TMEM43, TMEM70, TNNI3K, TTN		
Pediatric Cardiomyopathy	100	Adult Cardiomyopathy + Pediatric HCM panels + ALMS1, CPT2, HADHA, HADHB, PPA2, SGCD, SLC25A20, TBX20, TCAP		
Pediatric HCM	56	Adult HCM panel + AGL, CBL, GAA, MAP3K8, MTO1, NF1, RRAS, SLC22A5, SLC25A4, SPRED2, TAB2		
Arrhythmia Panels				
Long QT Syndrome	12	CACNA1C, CALM1, CALM2, CALM3, KCNE1, KCNE2, KCNH2, KCNJ2, KCNQ1, SCN5A, TECRL, TRDN		
Catecholaminergic Polymorphic Ventricular Tachycardia (CPVT)	8	CALM1, CALM2, CALM3, CASQ2, KCNJ2, RYR2, TECRL, TRDN		
Brugada Syndrome	1	SCN5A		
Arrhythmia	40	Brugada Syndrome + CPVT, and LQTS panels, + CTNNA3, DES, DSC2, DSG2, DSP, EMD, FLNC, GLA, HCN4, JUP, LAMP2, LMNA, NKX2-5, PKP2, PLN, PPA2, PRKAG2, RBM20, SLC22A5, SLC4A3, TBX5, TMEM43, TNNI3K, TRPM4, TTN, TTR		
Combined Cardiomyopathy and Arrhythmia Panels				
Adult Cardiomyopathy and Arrhythmia	96	Adult Cardiomyopathy + Arrhythmia panels		
Pediatric Cardiomyopathy and Arrhythmia	113	Pediatric Cardiomyopathy + Arrhythmia panels		