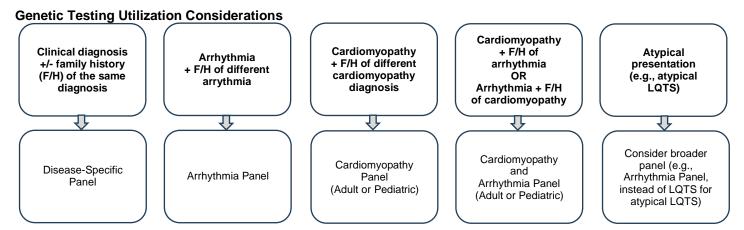


CARDIOMYOPATHY AND ARRHYTHMIA Lab Requisition

CHEO ()	Patient Name:	AIIII AN	O AKKIII IIIWIA L	ab ixequisition
		Last	First	Initial
Ship to: Genetics Diagnostics Laboratory	Health Card Number			
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	at birth: ☐ Male ☐ Female	
CHEO Pedigree Number:				
ALL SECTIONS MUST BE COMPLE	TED			
Sample Information				
Expedited testing required, reason:				
☐ Blood 2x6mL EDTA ☐ Blood 2x3 ml EDTA (*Maternal sample (with separate requisition for MCC) i			Cord Blood* 3 mL 🔲 DNA*, Source	<u></u>
HealthCare Provider Requesting Te	St (testing will be accepted	d from the follow	ing specialties: genetics, cardiolo	ogy, neonatology)
Name:		COPY TO: Nam	ne:	
Registration #		Registration #:		
Address		_ Address:		
Telephone		Telephone:		
·		Fax:		
Fax:				
Test Requested (see next page for list of Familial Variant Testing	f genes included in each pa	anel)		
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	el (HCM)
☐ Pediatric CM Panel		☐ Pediatric HC	CM Panel	. ,
Confirmed or suspected diagnosis of:		Confirmed or suspected diagnosis of:		
	CM (age:)	Asymmetric HCM (age:)		
Arrhythmogenic CM (age:) Noncompaction CM (age:)		☐ Apical HCM (age:) ☐ HCM, limited to basal septum (age:)		
□ Not affected □ Other, specify:		□ Not affected □	☐ Other, specify: ☐	
Arrhythmia Panel		Long QT Synd	rome Panel	
☐ Arrhythmia without structural heart disease		_	uspected diagnosis of Long QT Syr	ndrome
Confirmed or suspected diagnosis of:			ergic Polymorphic Ventricular	
☐ Cardiac conduction disease (age:)			suspected diagnosis of CPVT	•
☐ Short QT syndrome (age:)		Brugada single	e gene (SCN5A)	
☐ Not affected ☐ Other, specify:		☐ Confirmed or s	suspected diagnosis of Brugada syn	idrome
Combined CM and Arrhythmia				
☐ Adult CM and Arrhythmia Panel				
☐ Pediatric CM and Arrhythmia Panel				
☐ Diagnosis of CM + personal and/or F/H of arrhyth☐ Diagnosis of arrhythmia + personal and/or F/H of				
Other	CIVI			
☐ Maternal Cell Contamination (MCC) S	Studies DNA Storage	(DNA will be st	ored for 2 years) Single ge	ne testina:
Cardiovascular features	Judico L DIA Ololage	(SITA WIII DE SI	John Ton 2 yours j - Onlyle ye	<u></u>
_	r 🗆 Obosity 🗖 Implantable a	pardiovertor defibri	llator Diabatas D Chamatharan	v induced CM
☐ Hypertension on medication ☐ Pacemaker☐ Post-partum CM ☐ Other, specify:	i 🗀 Obesity 🗀 impiantable с	ardioverter defibri	ilator 🗖 Diabetes 🗀 Chemotherapy	/-induced Civi
Family history in 1 st or 2 nd degree re	elative			
☐ Same phenotype as the patient ☐ Sudden c		Inknown		
- came prioriogy of as the patient - outdett c	ararao acaminatoy 🗀 INO 🗀 C	>		

☐ 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		