Process for Genetic Testing of Patients with a diagnosis of an ICC Notes on diagnostic ICC Genetic Testing The individual should have a confident diagnosis of Patient with a diagnosis of HCM, Long QT, Brugada, ACM or Idiopathic DCM Long QT syndrome **Brugada Syndrome** Idiopathic DCM Separate guidance for genetic investigation of death in ICU following unexplained OOHCA or negative PM following SCD is available by contacting the duty genetic counsellor below *. Genetic testing for patients diagnosed with CPVT is also available via referral to clinical genetics. Does patient have a confident diagnosis of an ICC? YES Testing NOT **ACTIONS BY CARDIOLOGIST** Would discussion at the monthly ICCMDT be helpful to clarify diagnosis indicated at Genetic testing discussed with patient or role of genetic testing? this time. Patient Information Sheet given to patient Genetic test request form completed** YES Patient SIGNS genetic test form Send 3mls EDTA blood sample and test request form to Molecular Genetics Lab, WGH. Refer patient by letter or email to the ICCMDT Referral should be addressed to the South East Scotland Clinical Genetics Department, Crewe Road, Edinburgh, EH4 2XU. Email loth.wghclinicalgenetics@nhs.scot **Results of Testing** "HOT" VARIANT OF **PATHOGENIC/LIKELY NO PATHOGENIC VARIANT UNCERTAIN SIGNIFICANCE** PATHOGENIC VARIANT (no clinically actionable variant) (VUS) Report emailed to Report emailed to Report emailed to requesting Cardiologist AND requesting Cardiologist AND requesting Cardiologist **Clinical Genetics Clinical Genetics PATHOGENIC VARIANT** "HOT" VUS NO PATHOGENIC/ Actions by cardiologist Actions by cardiologist **NO CLINICALLY ACTIONABLE** Result to be given to patient Seek advice from Duty Genetic **VARIANT IDENTIFIED** Upload result to electronic Counsellor* before giving result **Actions by cardiologist** record. to patient Result to be given to patient Upload result to electronic Upload result to electronic record **Actions by Clinical Genetics**

Discuss phenotypic screening

for family members if appropriate

Result letter sent to patient:

copied to cardiologist & GP

Genetic Appointment arranged

Actions by Clinical Genetics

Result letter sent to patient:

copied to cardiologist & GP

Genetic Appointment arranged

^{*} Duty Genetic Counsellor: loth.wghclinicalgenetics@nhs.scot

^{**}Genetic test request forms can be found at https://services.nhslothian.scot/geneticservice/request-forms/ Version 2: July 2025