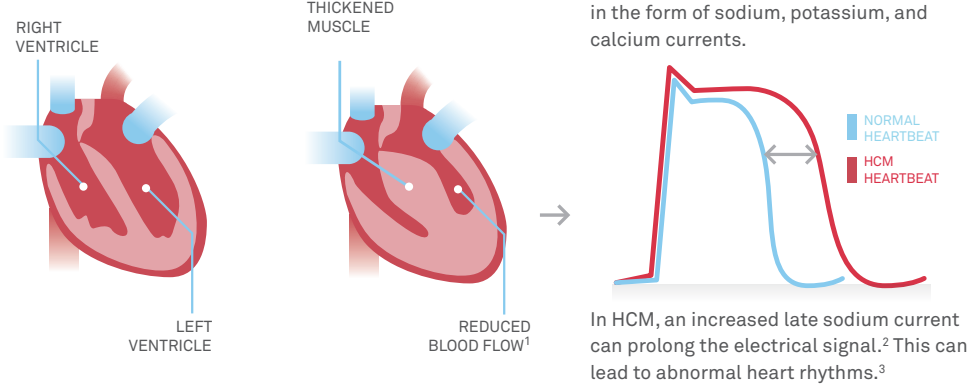


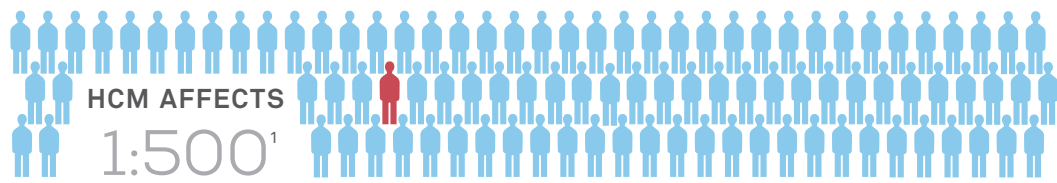
HCM

HYPERTROPHIC CARDIOMYOPATHY:
ABNORMAL THICKENING of HEART MUSCLE

NORMAL HEART — HEART WITH HCM



PREVALENCE and IMPACT of HCM



ALTHOUGH THE MAJORITY OF THESE DO NOT DEVELOP SYMPTOMS, HCM IS THE LEADING CAUSE OF SUDDEN CARDIAC DEATH IN PEOPLE UNDER 30 AND YOUNG ATHLETES¹



SYMPTOMS^{1,3}

Shortness OF BREATH



Fainting



(SYNCOPE)

Chest PAIN



Rapid HEART BEAT



(PALPITATIONS)

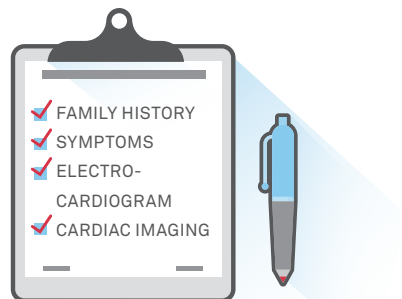
POTENTIAL CAUSES

GENETICS PLAYS A ROLE,

BUT ONLY 50-60%

of families with HCM have a detectable mutation⁴

HOW is it DIAGNOSED?^{1,3}



TREATMENT OPTIONS^{1,3}

HEART SURGERY



(SEPTAL MYECTOMY)
REMOVAL OF THICKENED MUSCLE

IMPLANTED DEFIBRILLATORS



(ICDs)

MEDICINES

NO FDA APPROVED MEDICINES



REFERENCES

1. The Cleveland Clinic. *Hypertrophic Cardiomyopathy*. <http://my.clevelandclinic.org/heart/disorders/hcm/default.aspx>
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3. The Mayo Clinic. *Hypertrophic Cardiomyopathy*. <http://www.mayoclinic.org/diseases-conditions/hypertrophic-cardiomyopathy/basics/definition/con-20030747>
4. Christaans I, et al. *Eur Heart J*. 2010 Apr;31(7):842-8.