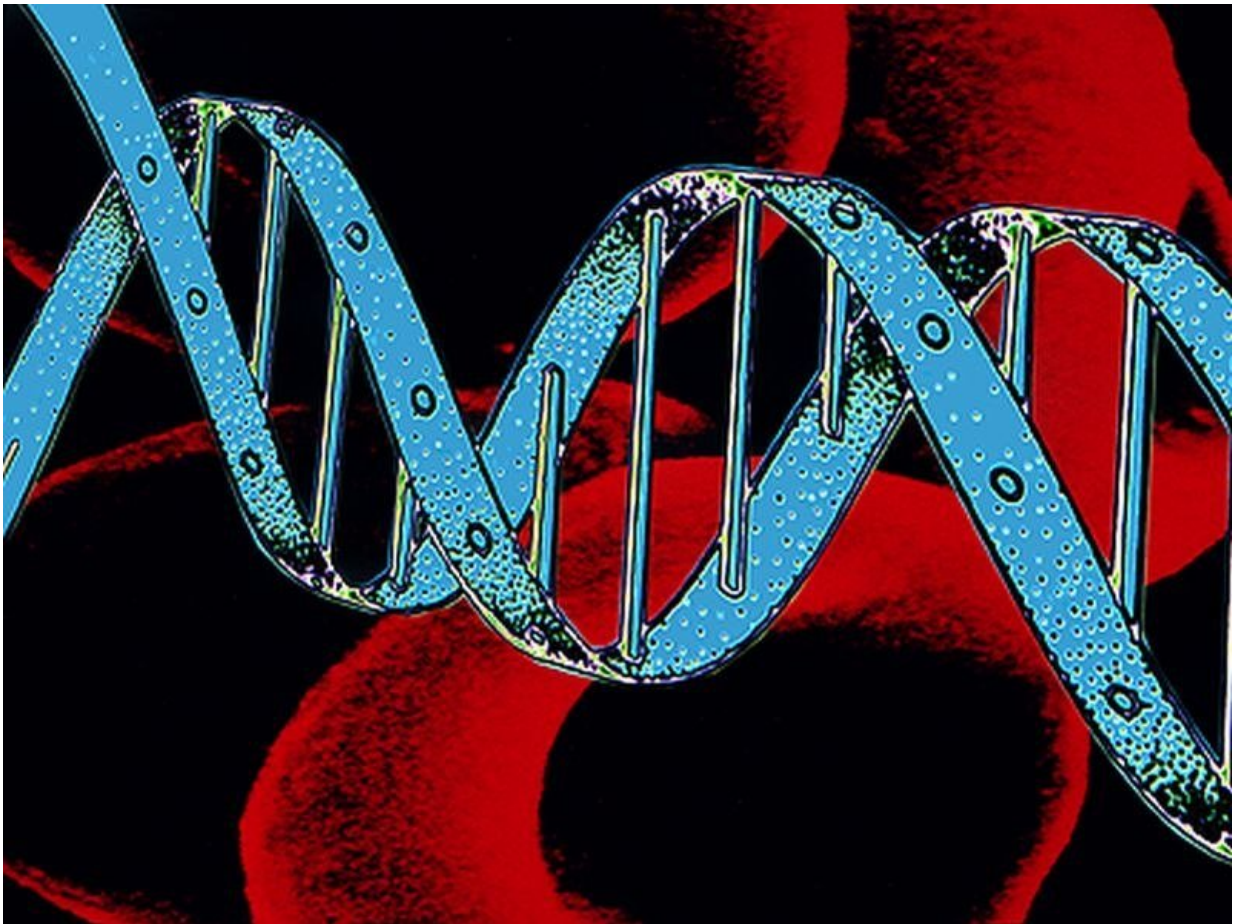


Genetics should inform care in noncompaction cardiomyopathy

February 14 2018



(HealthDay)—Genetic stratification should play a role in clinical care of

patients with noncompaction cardiomyopathy (NCCM), according to a study published in the Feb. 20 issue of the *Journal of the American College of Cardiology*.

Jaap I. van Waning, M.D., from Erasmus Medical Center in the Netherlands, and colleagues compared clinical features and major adverse cardiac events (MACE) during follow-up among 327 unrelated NCCM patients (adults and children) in three categories: with a genetic mutation (32 percent of patients); probably genetic, familial cardiomyopathy, without a mutation (16 percent); or sporadic, no family history, without a mutation (52 percent).

The researchers found that *MYH7*, *MYBPC3*, and *TTN* [mutations](#) were the most common mutations (71 percent) found in genetic NCCM. For genetic patients, the risk of having reduced left ventricular systolic dysfunction was higher compared with the probably genetic and sporadic cases; the highest risk was seen in [patients](#) with multiple mutations and *TTN* mutations. Children more frequently had mutations, which were associated with MACE. Sporadic NCCM was more likely in adults. Patients with *MYH7* mutations had low risk for MACE.

"NCCM is a heterogeneous condition, and genetic stratification has a role in [clinical care](#)," the authors write. "Distinguishing genetic from nongenetic NCCM complements prediction of outcome and may lead to management and follow-up tailored to genetic status."

More information: [Abstract/Full Text \(subscription or payment may be required\)](#)
[Editorial \(subscription or payment may be required\)](#)

Copyright © 2018 [HealthDay](#). All rights reserved.

Citation: Genetics should inform care in noncompaction cardiomyopathy (2018, February 14)
retrieved 1 May 2024 from

<https://medicalxpress.com/news/2018-02-genetics-noncompaction-cardiomyopathy.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.