

## Cardiovascular Disease Genomics: Getting to the heart of the matter

May 1, 2014

### RESOURCE LISTING

#### Genetics and Cardiovascular Disease

- Clinical practice guidelines for assessment of CV risk that promotes optimal patient care and CV health. Considers use of family history of premature cardiovascular disease.  
2013 ACC/AHA guideline on the assessment of cardiovascular risk, Circulation. November 2013.
- Clinical practice guidelines for assessment and treatment of blood cholesterol to reduce CV risk. Includes primary prevention recommendations for adults with genetic hypercholesterolemia.  
2013 ACC/AHA guideline on the treatment of blood cholesterol to reduce atherosclerotic cardiovascular risk in adults, Circulation. November 2013.
- Recommendations from the American Heart Association that focus on areas in which genetic evaluation, including personal and family history, examination, counseling, and testing, has the potential to impact the practice of cardiovascular medicine and research.  
Genetics and Cardiovascular Disease: A Policy Statement from the American Heart Association Circulation. July 2012.
- Scientific statement on the relevance of genomics for the prevention and treatment of CVD. Focuses on findings from recent advancements in genetic technologies and the translation of these findings to the clinical setting.  
Genetics and Genomics for the Prevention and Treatment of Cardiovascular Disease: Update: A scientific statement from the American Heart Association, Circulation December 2013
- Review of genetic and genomic studies in cardiovascular medicine that have helped to elucidate some of the mechanisms that underlie individual differences in the presentation and pathophysiological features of cardiovascular disease  
Genomics of Cardiovascular Disease , New England Journal of Medicine. December 2011.
- CDC Public Health Genomics information about heart disease and genetics.  
Genomics and heart disease. <http://www.cdc.gov/genomics/resources/diseases/heart.htm>

## Familial Hypercholesterolemia

- Familial Hypercholesterolemia Foundation: <http://thefhfoundation.org/>  
Note FH videos, or go to: <http://thefhfoundation.org/about-fh/fh-videos/>
- National Lipid Association statement of clinical guidance regarding the diagnosis and treatment of Familial Hypercholesterolemia.  
Familial hypercholesterolemia: screening, diagnosis and management of pediatric and adult patients: clinical guidance from the National Lipid Association Expert Panel on Familial Hypercholesterolemia.  
Goldberg AC, Hopkins PN, Toth PP, et al. National Lipid Association Expert Panel on Familial Hypercholesterolemia. J Clin Lipidol. 2011 Jun;5(3 Suppl):S1-8.
- Consensus statement of the European Atherosclerosis Society on familial hypercholesterolemia.  
Familial hypercholesterolaemia is underdiagnosed and undertreated in the general population: guidance for clinicians to prevent coronary heart disease: consensus statement of the European Atherosclerosis Society. Eur Heart J. 2013 Dec;34(45):3478-90a. doi: 10.1093/eurheartj/eh273. Epub 2013 Aug 15.  
<http://www.ncbi.nlm.nih.gov/pubmed/23956253>
- Summary of disease characteristics, diagnosis, testing, and management for familial hypercholesterolemia.  
GeneReviews™: Familial Hypercholesterolemia  
<http://www.ncbi.nlm.nih.gov/books/NBK174884/>
- CDC public health impact blog: “Public health genomics in action: preventing morbidity and mortality from familial hypercholesterolemia.”  
<http://blogs.cdc.gov/genomics/2013/10/31/public-health-genomics/>