Cholesterol

Hindawi

Special Issue on

Clinical Significance of Genetic Diagnosis in Familial Hypercholesterolemia

CALL FOR PAPERS

Familial hypercholesterolemia (FH; OMIM #143890) is caused by either mutation(s) in LDL receptor, apolipoprotein B-100, or PCSK9 genes. There are however several other genes that appear to be causal for this condition, although rare. This disease is characterized by the triad of (1) primary hyper-LDL-cholesterolemia, (2) tendon xanthomas, and (3) premature coronary artery disease (CAD), the frequency of which is estimated to be ~1 in 200 general populations worldwide. Comprehensive genetic analysis using next generation sequencer has enabled researchers to check such genotypes quickly, potentially provide appropriate therapies, and post a simple question regarding clinical significance of such genotyping for FH.

We invite investigators to contribute original research articles as well as review articles that will stimulate the continuing efforts to understand the clinical significance of molecular diagnosis of FH, the development of strategies to predict cardiovascular events, novel therapeutic approaches to improve the treatment, and the evaluation of outcomes in FH.

We are particularly interested in articles describing advances in molecular genetics and molecular diagnostics; risk stratification; novel therapeutic approaches, based on genetic information in FH.

Potential topics include but are not limited to the following:

- Recent developments in molecular genetics and molecular diagnostics in FH
- Risk stratification based on genetic information in FH
- Role of comprehensive genotyping in FH
- Novel therapeutic approaches to improve the treatment of FH

Authors can submit their manuscripts through the Manuscript Tracking System at http://mts.hindawi.com/submit/journals/cholesterol/csgd/.

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