Thematic Issue for Current Pharmaceutical Design

Title: “Cardiovascular disease risk prediction models and scores”

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Scope of the Thematic Issue:

Despite the large effort, which has been made from scientists the last years, as well as the deeply research, cardiovascular diseases still remain the most important factor correlated with high mortality and morbidity worldwide. Focused on that, the research aim was turned into a new personalised medicine approach. Risk assessment have become essential in the prevention of cardiovascular disease.

New tools, scores and models were created in order to analyse the prediction of severe cardiovascular risk factors, diseases and their comorbidities, with the evaluation of simple parameters. This effort aims to stratified patients according to their own characteristics. Each risk algorithm has its own limitations, so different algorithms should be used in different patient populations. Risk algorithms are made available for use in clinical practice by means of – usually interactive and online available – tools.

To help the clinician to choose the right tool for the right patient, a summary of available tools should be provided. When choosing a tool, physicians should consider medical history, geographical region, clinical guidelines and additional risk measures among other things.

The current thematic issue, reviews the rationale for using risk prediction tools as well as a compilation of the currently available.

Keywords: Cardiovascular diseases; Risk assessment; Risk prediction models; Risk scores.
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Subtopics: but not limited to

- Risk scores and prediction models in chronic heart failure
- Prediction models and scores in hypertrophic cardiomyopathy
- Prediction models and scores in adult congenital heart disease
- Comparative analysis of risk stratification scores in atrial fibrillation
- Risk models and scores in patients with peripheral artery disease and chronic limb threatening ischemia
- Prediction models and scores in pulmonary hypertension
- Prediction models and scores in cardiovascular prevention
- Risk models and scores of cardiovascular disease in patients with diabetes mellitus

Schedule:

Manuscript submission deadline: 25 March 2020

Peer-review due: 15 April 2020

Revision and final manuscript submission by the authors: 20 April 2020

Announcement of acceptance by the Guest Editors: 10 May 2020

Final manuscript due: 20 May 2020

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