

What is the PROFID approach?

In order to reach the final goal, different phases have been designed for the PROFID project.

First of all, a score for the individual risk for sudden cardiac death will be created. This score will help physicians predict the risk of sudden cardiac death after a heart attack and will be developed by a group of data scientist in University of Manchester. For this, they will use existing information of patients with a prior heart attack and apply different statistical methods.

Then, two parallel clinical studies will be conducted in different European countries. The aim of these studies is to validate the utility of the newly developed prediction model. At the end of these studies, researchers will find out, whether the developed prediction model can be a better criterion than ejection fraction alone for determining patients with high risk of sudden cardiac death or not. Besides, health economic analyses will assess the economic impact of the newly developed strategy on health care systems.

Finally, a software tool for clinical use of the risk score will be uploaded at the website of the European Society of Cardiology.

