Short report to NFOG board about activity for reimbursement: NF12006

I attended the course on Analysis of Twin Data in Health Research held on 21st – 24th May at South University in Odense in Denmark.

The course descriptions:

What is the contribution of genetic and environmental factors to the variation in outcome?
What kind of genetic and environmental influences to expect?

How to estimate heritability of an outcome using twin data, using R and Open MX in R
Focus on practical’s in first biometric analyses.
Follow up on purpose, theory and assumptions.

Principles of genetic epidemiology
Analysis of continuous twin data
The case- cotwin design and analysis
Analysis of categorical outcomes
The future of twin studies
Genetic analysis of rare diseases
Analysis of occurrence on events
Survival analysis in twin studies
Genetic studies using twins
Applied genetic studies

The course was very high standard but I have definitely learned to understand more about genetic epidemiology and statistical analysis of twin studies. It will help me now to take part in statistical analysis, to understand the results and to write the thesis of my own PhD project in twins.

Rama Saha