

Prognostic Modelling Course

What is a prognostic model? A prognostic model is also known as prognostic (or prediction) index or rule, risk (or clinical) prediction model, and predictive model.

This course will allow you to have an understanding of what makes a good prognostic model. You will be learning about the design and statistical analysis of prognostic studies, the construction and estimation of prediction rules, the various approaches to validation, and the generalization of research results.

At the end of the seminar, participants should be able to:

- Understand how a prognostic model is developed
- Identify the good components of a prognostic model
- Evaluate the performance of a prognostic model

AGENDA

Time	Topic
8.45 – 9.00am	<i>Registration</i>
9.00 – 10.30am	Preparation for Establishing Clinical Prediction Models <ul style="list-style-type: none"> • Introduction to prognostic factors, models & risk • Choice of predictors • Defining outcome measures • Choice of model • Sample size and number of predictors
10.30 – 10.45am	<i>Tea Break</i>
10.45 – 12.15pm	Preparation for Establishing Clinical Prediction Models (con't) <ul style="list-style-type: none"> • Linearity • Spline Functions • Correlation between predictors • Handling missing values
12.15 – 1.15pm	<i>Lunch</i>
1.15 – 2.15pm	Developing the Model <ul style="list-style-type: none"> • Study Design • Pre-selecting predictors and building the model • Univariate and stepwise regression analysis
2.15 – 2.45pm	Workshop: Developing the Model
2.45 – 3.45pm	Performance of the Prognostic Model <ul style="list-style-type: none"> • Linear regression • Logistic and Cox regression
3.45 – 4.00pm	<i>Tea Break</i>
4.00 – 5.00pm	Creating a Prediction Rule and Assessing Validity

Note: Information is accurate at time of print. Agenda is subject to changes without prior notice.

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