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**Speaker:**

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**Title:**

Multiple outputation for longitudinal data subject to irregular observation

**Abstract:**

Observational cohort studies often feature longitudinal data subject to irregular observation. Moreover, the timings of observations may be associated with the underlying disease process and must thus be accounted for when analysing the data. Multiple outputation, which consists of repeatedly discarding excess observations, can be a helpful way of approaching the problem.

**Learning objectives:**

- Explain why irregular observation can be a problem
- Understand different visiting patterns
- Choose an appropriate analysis for a given visiting pattern