Isokinetic Muscle Fatigue Reliability: Analysis of Year 3 Data

- Outcome variables:

  Extension
  - C1PTORQE – Peak torque (Nm)
  - C1FINDE – Fatigue index (%)
  - C1TOTWKE – Total work (J)
  - C1POWERE – Power (W)

  Flexion
  - C1PTORQF – Peak torque (Nm)
  - C1FINDF – Fatigue index (%)
  - C1TOTWKF – Total work (J)
  - C1POWERF – Power (W)

- Model: mixed models analysis

  \[ y_{ij} = \mu + \text{site}(0,1) + \text{testday}(0,1) + \text{gender}(0,1) + \text{ppt}_i + \text{tech}_j + e_{ij} \]

  \[ i = \text{participant} \]

  \[ j = \text{technician} \]

  (Testday indicates whether repeat test was done on same day as original test)

  Fixed effects: site, testday, gender
  Random effects: participant, technician