**Patient S1534876:**

* 57 year old female who has a tremor in her right hand and loses her balance with increasing frequency
* More recently found that her legs are particularly stiff on occasion
* Family history:
  + Mother, died aged 85. Had shaky hands for many years and showed signs of dementia before her death.
  + Mother youngest of three sisters. Eldest sister died aged 70; she had a gradual worsening of mobility from the age of 55 and often jerked her head involuntarily. Second sister is aged 62 and appears healthy.
  + Father, aged 90. Appears healthy.
  + Father has one younger brother aged 85 who appears healthy
  + Patient has twin brothers aged 52. One is married with a son aged 20; the other is unmarried and has no children. He has recently been experiencing sporadic shaking in his right hand
  + Patient is married and has two sons, aged 35 and 30
  + Patient’s grandparents deceased. Age at death and cause unknown.
* Referred to genetics for testing of genes associated with dystonia and parkinsonism
* Testing revealed a heterozygous mutation in the *LRRK2* gene: c.6055G>A, p.Gly2019Ser
* Use transcript NM\_198578.3/NP\_940980.3 in your analysis. UniProt accession: Q5S007

**Form:**

https://goo.gl/forms/tMBBhnUvLCJpZsA13