Validation of the Humpty Dumpty Falls Scale

- Validation studies completed using three years of data
  - Retrospective chart review of actual patient falls \((n= 164)\) and a random selection of control subjects \((n= 517)\)
  - Comparison of overall Humpty Dumpty Falls Risk Score and individualized scale items
  - National and International multi-site research studies which include other institutions using the Humpty Dumpty Falls Prevention Program, currently pending IRB approval.
Validation of the Humpty Dumpty Falls Scale

- **OR = 2.33**
  - Patients who score as “high risk” have greater than two times the risk of falling
- **Sensitivity = 79%**
  - Increased risk actually high risk
- **Specificity = 39%**
  - Limitations- implemented based on need and empirical evidence.
  - Difficult to obtain specificity due to the implementation of a falls risk protocol for low and high risk patients
- **Predictive Value Positive (PVP)= 29%**
  - Identified as high risk and actually fell
  - Implementation of the high risk protocol at the same time helps prevent fall events
- **Predictive Value Negative (PVN) =85%**
  - Those who did not fall who were low risk