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**VEST™ 6.10 Release Notes**  
**May 2011**

**New Features and Improvements**

1. Existing Dynamic Unilateral Centrifugation with SVV Test modified to allow multiple SVV trials (previous version included one SVV trial). Please contact NKI to have this feature enabled. Operator will reset SVV and move to the next iteration after the patient has completed the current line adjustment. The new offset line will show up immediately. In addition the following enhancement were made:
  - Separate calculations of mean and standard deviation for right, center and left patient position SVV response added to analysis and report.
  - First SVV line offset changed from -30 degrees to -12 degrees to save time.
  - Additional lines are now in a randomized SVV range from  $\pm$  (8 to 18) degrees.
  - Speed of SVV line rotation increased.
  - Operator has ability to remove individual SVV results from the analysis.
2. Optokinetic analysis now includes collective results table sorted by OKN velocity for easier viewing.
3. Analysis simulation interface reorganized and relabeled for easier viewing.

**Bug Fixes**

4. VNG video save error during data acquisition has been eliminated. The operator can run any VNG test and save video without disrupting data collection.
5. Caloric Test analysis bug involving inclusion of warm caloric test results when only cool caloric tests were run has been fixed.
6. SHA Test analysis provides the option to delete full cycles and remove the data from average cycle calculation. The bug previously allowed the operator to remove partial cycles which affected the average cycle calculation.
7. Custom Test bug involving a premature stop in data collection has been fixed.
8. Smooth Pursuit Test bug involving removal of eye trace display on detailed report has been fixed.
9. Upbeat and downbeat nystagmus in the Gaze Horizontal, Gaze Vertical and Spontaneous Nystagmus Tests are now named properly.

**Upgrade Modules Now Available – Contact NKI for Quotation**

10. Custom Dynamic Unilateral Centrifugation with Multiple SVV Test - custom software module for clinical research which allows the user to fully customize the timing, order, and distance of the DUC profile. Requires on-site wiring by NKI technician.
11. Head fixed 3 axis gyro sensor- independent sensor feedback available for all rotation tests (SHA, Step, DUC, Visual Enhancement, Visual Suppression, Visual Vestibular Interaction and OVAR). The operator can press a button to turn on independent X, Y and Z gyro feedback.
12. Data base statistical analysis module –interface created for clinical research studies to allow for comparison and manipulation of all historical analysis data by test or by patient. Eliminates time intensive process of manual data export and analysis.