

**Genetic Diagnostic and Research Laboratory
Department of Anatomy
Faculty of Medical Sciences
University of Sri Jayewardenepura
Nugegoda.**

CONFIDENTIAL MOLECULAR GENETIC LABORATORY REPORT.

| | | | |
|-----------------------------|--|---------------------------|------------------|
| Name of the patient | | Age/sex | null/null |
| Date of collection | | Date of reporting, | 12/14/15 2:17 PM |
| Case ref no | | Referred By | |
| add Referred By : HD | | | |

REPORT ON HUNTINGTONâ€™S DISEASE

Methodology: 10 ml blood was collected from the patient and DNA was extracted from the buffy coat of the EDTA anticoagulated blood. The mutation was characterized by PCR using primers flanking the CAG repeat region and analysed on Gene Scan software.

Results and counseling: On analysis the patient showed

| | | | |
|----|---------------------|-----------|--------------|
| | Triplet Repeat Size | | |
| | Allele 1 | Allele 2 | Normal range |
| HD | 166.66667 | -5118.333 | 11-34 |

Comments:

1. Huntington disease is caused due to expansion of triplet repeats in HD gene.
2. Reference CAG repeat values are,
Normal Allele: 10-26 CAG repeats
Intermediate Allele: 27-35 CAG repeats
3. This test detects expansion of triplet repeats in HD gene. Thus a positive test report confirms Huntington disease
4. Advised Genetic Counseling