( ) R1 ( ) R2 ( ) R3 (X) PG0 ( ) PG1 ( ) Estagiário ( ) Tecnólogo ( )
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**Coroidal neovascularization and Complement Factor H**

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**PURPOSE:** To Identify a positive association between tyr402His polymorphism of the complement factor H (CFH) gene and AMD in the brazilian population, a case-control study. **Methods:** One hundred Brazilian patients with neovascular were enrolled in the study. Genomic DNA from white blood cells was extracted. The Y402H polymorphism in CFH, with the substitution of Tyrosine to Histidine at nucleotide position 1277 in exon 9 was determined by polymerase chain reaction-restriction fragment length polymorphism analysis. **Results:** The preliminary result demonstrate the frequency having 1277C allele was 27% in AMD patients. Genotype frequency was 1277TT 27%, 1277TC 46%, and 1277CC 27% in the AMD group.

**CONCLUSIONS:** These results suggest that the Y402H polymorphism of the CFH gene has an important role in the AMD pathogenesis in the Brazilian population. This relationship with the CFH may lead to early detection and new strategies for prevention and treatment of AMD.