

The results showed no statistically significant correlation between C-kitD816V mutation and each of gender (P.value = 0.761) and subclass of AML (P. value = 0.818).

Conclusion: C-kit D816V mutation was found in half the Sudanese patients with AML while FLT3 -ITD mutation was totally absent. C-kit mutation has no effect on age of incidence, blast percentage, and total WBCs count, and has no correlation with gender and subclass of AML.