**Antiepileptic Case 2 Student Recommendation From**

Based on report number:

Relevant gene(s):

Patient diplotype:

Patient phenotype:

Case 2: Epilepsy Therapy

PW is a 13-year-old Chinese-American male who was brought to emergency room by his frantic mother after suffering a tonic-clonic seizure during his after-school baseball practice. PW is responsive and complains of fatigue, headache, and a few minor abrasions to his forearms/hands. The mother says that nothing like this has happened to her son before. She is very worried and states, “My husband’s younger brother died of a seizure.” Upon further questioning PW reveals that he thinks he may have had at least two other seizures in the last 6 months but did not want scare his mother so he did not tell her. PW has no other known past medical history beside seasonal allergies, which he takes Zyrtec for prn. Pharmacogenetic (PGx) testing was performed on PW and his results are available. PW is now in the care of his primary care physician who would like to prescribe him carbamazepine for the management of his epilepsy. Based off PW’s PGx results would you recommend this medication?

Recommendation:

Notes:

Recommendation based on:

Found at: