

Equations

Calculations of fosaprepitant administration in the PCR branch:

First Cycle:

$$N * P1$$

Second Cycle:

$$N * P1 * P3 + N * (1 - P1) * P2 * P3$$

Third Cycle:

$$N * P1 * P3 * P4 + N * (1 - P1) * (1 - P2) * P3 * P2 * P4$$

Calculations of fosaprepitant administration in the traditional branch:

First Cycle:

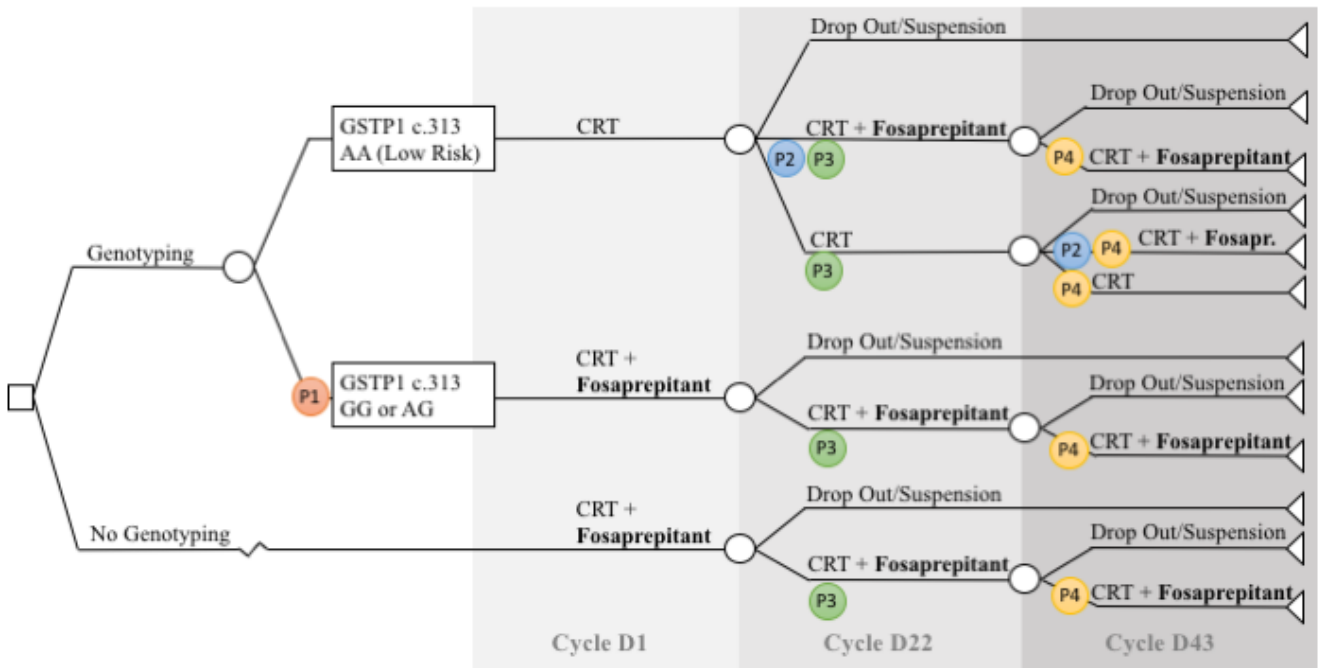
$$N$$

Second Cycle:

$$N * P3$$

Third Cycle:

$$N * P3 * P4$$



Legend:

P1: Probability of high risk GSTP1 genotype;

P2: Probability of Grades 3/4 Nausea after First and/or Second Cycles of chemotherapy;

P3: Probability of Concluding Second Cycle;

P4: Probability of Concluding Third Cycle.

N: Number of Patients