

Table 7: Regression equations for modeling warfarin daily dose requirements based on age, BMI, INR and *VKORC1*, *CYP2C9* and *factor VII* genotypes.

Model x Parameter	Regression Model	p	R ² , %
Age	D=5.128-0.017(Age)	0.254	1.4
BMI	D=2.931+0.036(BMI)	0.463	1
INR	D=4.859-0.315(INR)	0.183	2
<i>VKORC1</i>	D=5.744-0.751(VKORC1)	<0.001	14.9
<i>CYP2C9</i> *2	D=4.185-0.078(CYP2C9*2)	0.695	0.2
<i>CYP2C9</i> *3	D=3.755+0.176(CYP2C9*3)	0.325	1.1
<i>Factor VII</i>	D=3.577+0.259(FACTOR7)	0.157	2.2
Age, BMI, INR, <i>VKORC1</i> , <i>CYP2C9</i> *2, <i>CYP2C9</i> *3, <i>Factor VII</i>	D=5.306-0.001(Age)+0.20(BMI)-0.072(INR)- 0.802(VKORC1)-0.044(CYP2C9*2)- 0.051(CYP2C9*3)+0.143(FACTOR7)	0.203	18.2

Age: input age in years, BMI: body mass index, INR: international normalized ratio; *VKORC1* genotype: input 1 for GG, 2 for GA, 3 for AA; *CYP2C9**2 genotype: input 1 for CC, 2 for GT, 3 for TT; *CYP2C9**3 genotype: input 1 for AA, 2 for AC, 3 for CC; *factor VII* genotype: input 1 for GG, 2 for GT, 3 for TT. The y variable is dose (D) in all models.