Supplemental Figure 1: Equation for calculation of maximum releasable dose

\[ D(\infty) = \frac{34.6 \Gamma Q_0}{(100 \text{ cm})^2} \left\{ E_1 T_p (0.8) \left(1 - e^{-0.693(0.33)/T_p}\right) + e^{-0.693(0.33)/T_p} E_2 F_1 T_{1\text{eff}} + e^{-0.693(0.33)/T_p} E_2 F_2 T_{2\text{eff}} \right\} \]

where:
- \( F_1 \) = Extrathyroidal uptake fraction;
- \( F_2 \) = Thyroidal uptake fraction;
- \( E_1 \) = Occupancy factor for the first 8 hours; and
- \( E_2 \) = Occupancy factor from 8 hours to total decay.