

Foundational Equations

- Ohm's Law
 - $\Delta P = FR = P\{aw\} - P\{alv\} = P\{pl\} - PEEP\{total\}$
- Equation of Motion
 - $P\{aw\} = FR + \frac{V\{t\}}{C} + PEEP\{total\} * Compliance * C = \frac{\Delta V}{\Delta P} * Natural\ Decay\ Equation * Vi(t) = \frac{Vo}{e^{\frac{t}{RC}}} = \frac{Vo}{e^{\frac{t}{\tau}}}$

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