% CONCENTRATION

① $2\%\ \text{Xylocaine}^{®} \equiv \frac{2\text{g Xylocaine}^{®}}{100\text{ml}}$

② $.9\%\ \text{NaCl} \equiv \frac{.9\text{g NaCl}}{100\text{ml}}$ ($\equiv \frac{900\text{mg NaCl}}{100\text{ml}}$,

③ $\frac{50\text{g GLUCOSE}}{1\text{ L}} \equiv \frac{50\text{g}}{1{,}000\text{ml}}$

$\frac{50\text{g}}{1{,}000\text{ml}} = \frac{X}{100\text{ml}}$

$1{,}000X = 5000$

$X = \frac{5{,}000}{1{,}000} = 5\text{g}$

$\Rightarrow \frac{5\text{g GLUCOSE}}{100\text{ml}} = \boxed{5\%}$

④ $\frac{.01\text{g Adrenalin}^{®}}{10\text{ml}}$

$\frac{.01\text{g}}{10\text{ml}} = \frac{X}{100\text{ml}}$

$10X = 1$

$X = \frac{1}{10} = .1\text{g}$ $\Rightarrow \frac{.1\text{g Adrenalin}^{®}}{100\text{ml}} = \boxed{.1\%}$