

Farmakologiprøve 6.11.2015 - svarnøgle

Opgave 1

$$V=D:S = 60 \text{ mg} : 20 \text{ mg/tab.} = 3 \text{ tabletter}$$

$$V=D:S = 60 \text{ mg} : 40 \text{ mg/tab.} = 1 \frac{1}{2} \text{ tabletter}$$

Opgave 2

$$V=D:S = 60 \text{ mg} : 10 \text{ mg/ml} = 6 \text{ ml}$$

Opgave 3

$$D = 75 \text{ mikrogram/kg/dosis} \times 20 \text{ kg} = 1500 \text{ mikrogram/dosis} = 1500 \text{ mikrogram/dosis} : 1000 \text{ mikrogram/mg} \\ = 1,5 \text{ mg/dosis}$$

$$V=D:S = 1,5 \text{ mg/dosis} : 0,3 \text{ mg/ml} = 5 \text{ ml}$$

Opgave 4

$$36 \text{ mikrogram/time} : 12 \text{ mikrogram/time/plaster} = 3 \text{ plastre}$$

Opgave 5

$$S = D : V = 1 \text{ mg} : 500 \text{ ml} = 0,002 \text{ mg/ml} = 0,002 \text{ mg/ml} \times 1000 \text{ mikrogram/mg} = 2 \text{ mikrogram/ml}$$

Opgave 6

$$\text{Volumen/time} = \text{dosis/time} : \text{styrke} = 25 \text{ mikrogram/time} : 5 \text{ mikrogram/ml} = 5 \text{ ml/time}$$

Opgave 7

$$V = D:S = 50 \text{ mg} : 0,5 \text{ mg/ml} = 100 \text{ ml}$$

$$\text{Tilsætningsvolumenet} = 100 \text{ ml} - 10 \text{ ml} = 90 \text{ ml}$$

## Opgave 8

$$V=D:S = 40 \text{ mg} : 0,5 \text{ mg/ml} = 80 \text{ ml}$$

$$\text{Infusionshastighed i ml/time} = 80 \text{ ml} : 60 \text{ min} \times 60 \text{ min/time} = 80 \text{ ml/time}$$

$$\text{Infusionshastighed i dråber/min} = 80 \text{ ml/time} \times 20 \text{ dråber/ml} : 60 \text{ min/time} = 26,7 \text{ dråber/min} \sim 27 \text{ dråber/min}$$