Appendix 1

24-hour background analgesic infusion

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Based on an 80 kg patient over 24 hours (multiplication factor for each drug = 24 x 80 = 1 920).

Amounts are rounded off to available ampoule sizes.

Drug	Dose/kg/hour	kg	Hours	Total/24 h	Volume
Ketamine	0.05 mg	80	24	100 mg	2 ml of 50 mg/ml
Lignocaine	1 mg	80	24	2 000 mg	20 ml (10%; 100 mg/ml)
Dexmedetomidine	0.1 µg	80	24	200 µg	2 ml (100 µg/ml)
$MgSO_4$	2.5 mg	80	24	5 g	10 ml (50%; 0.5 g/ml
Dextrose 5%					500 ml
Total volume					534 ml
Infusion rate					534/24 = 22 m/hour

(Remark: As far as the author knows, DW5% 500 ml is not available in South Africa. Therefore, the total drug volumes (34 ml) can be added to 200 ml of DW5% = 234 ml and administered at 234 ml/24 hours = 9.75 ml/h ≈10 ml/h).)

Reviews

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