

Drug Calculation Exam Practice (Adult) – Set 5

- 1) Patient A is prescribed Ibuprofen 300mg t.d.s., stock strength available is 150mg. How many tablets will you give every eight hours?
- 2) Patient A is prescribed a daily dose of 48.5micrograms of Digoxin. Expressed in **milligrams**, how much will the patient receive?
- 3) The drug Dopamine is prescribed at 2.5micrograms/kg/day. Patient A weighs 63kg, what is the total amount of Dopamine that Patient A will need?
- 4) A female patient who weighs 65.5kg is prescribed the antibiotic Cidomycin 2.5mg/kg/day i.v. Calculate the dose in mg of Cidomycin?
- 5) A patient is prescribed Heparin 15,000units s.c. Stock strength available is 2500 units in 0.1mL. What is the volume in **mL**. that the patient will receive?
- 6) A post-operative patient is prescribed 80mg Pethidine i.m.every 4hours. Stock available is 100mg/2mL. If the patient has had 3 doses so far, what is the total volume of Pethidine in **mL** they have had?
- 7) Patient A has severe nausea and vomiting and is prescribed Maxalon high dose 200mg in 450mL 0.9% Normal Saline to infuse over 8hours via a volumetric pump. How many mL. /hr will you set the pump to two decimal places?
- 8) Mrs Chung is prescribed 550mL of 5% Dextrose to run over 6hours using an i.v infusion set that delivers 20 drops/mL. To the nearest whole number, how many drops/min will you need to set the infusion at?
- 9) Mr Tai is prescribed Phenytoin 200mg o.d via a PEG tube, stock strength available is 40mg in 8ml. What is the concentration of Phenytoin in mg/mL. that will be administered?
- 10) Patient X is prescribed 12mg morphine in 25mL 0.9% Normal Saline via an infusion pump. What is the concentration of morphine in mg/mL.?