


Calcul de dose exercice

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J. Make a recipe: Bionolite: 1 liter / 12 hours Calculate the flow in drops/minutes and excess for 12 hours. Claforan® (cefotaxim): 1 g x 3/24 h (a bottle of 1 g lyophilisate is replenished with an onion 5 ml solvent). You should pass 1 g of antibiotic per 100 ml Glucated 5% within 1 hour. Calculate the drop/minute rate with the addition of the product.II. Primp® (anti-emetic) in a drinking solution 100 ml bottle of dosed 100 mg of active product. You should inject 2 teaspoons a day Mr. V. How much (in mg) in one day receives Mr. V? III. You should prepare a prescription for amycin® 1 g (antibiotic). According to Vidal's recommendations, this powder should be diluted into 0.9% of the saline whey solution, at a rate of 500 mg per 200 ml, the solution should be taken within 1 hour. Preparing a recipe for the day, with a stream of drops/min and excess.IV. 17 years, weighs 45 kg and should receive the following treatment: Bionolithic® 5% (electrolytic solution), 1.5 liters /24 h (pockets 1000 ml and 500 ml) - Perfalgan® (paracetamol) 1 1 1 000 ml and 500 ml 1 g x 4/g in 30 minutes (100 ml 1 g) - Claforan® (antibiotic)750 mg x 3/d in 125 ml SG 5% to pass in 20 min (500 mg bottle) 1. calculate the rate of bionolite 5% per ml/h and the default (if number after comma) 2. calculate the flow of Perfalgan and Cloughan in drops/min and by excess (if the number after the comma) 3. how many vials of Claforan will be needed to prepare the recipe for 24 hours.V. Mr X returns from the block at 12:00pm with the following recipe: - Flagyl® (metronidazole): 500 mg every 8 hours / 24 hours (pocket 150 ml / 5 1 mg to be transferred in 30 minutes) - Perfalgan® (paracetamol): 1 g every 6 hours / 24 hours (100 ml/bottle, to pass in 20 minutes) - Prophenide® (ketoprofen, anti-inflammatory): 100 mg every 12 hours / 24 hours (100 mg of powder, which will be diluted in 150 ml bag of physiological serum and pass after 30 minutes). 1. Calculate the flow of each product in drops per minute. 2. Set this requirement to plan within 24 hours. Correction. Recipe: 1000 ml x 20 /12 x 60 - 20,000 / 720 - 27.77 drops / minutes or 28 gttes/mn in excess. - (100 ml - 5 ml) x 20 / 60 - 35 drops/minutes.II. Plumperan:1 teaspoon - 5 ml100 ml - 100 mg100 x 5 /100 - 5 mg per teaspoon, so for 2 teaspoons, Give 10 mg Mr. V.III. For amyline: 500 mg - 200 ml / 1 hour or 60 minutes, so 1000 mg - 400 ml / 2 h or 120 million 400 x 20 / 1200 - 66.66 gttes/mn or more 67 gttes/mn. For Miss P.: Calculate the bionolithic flow of 5% in ml/h and default (if number after comma) 1500 ml /24 h - 62.5 ml/h, so 62 ml/h Calculate the flow of Perfalgan and Claforan in drops per minute. and excess (if the figure after comma) - Perfalgan: 100 ml x 20 drops - 2000 drops 2000 drops x 1 min/30 66.6 drops per minute, so 67 drops per minute. Give the number of vials Claforan used to prepare the recipe: 6 vials.V. Recipe: 150 x 20 /30 - 3000 / 30 - 100 gttes/mn - 100 x 20 / 20 - 20 / 20 - 100 gttes/mn - 150 x20 /3 0 - 3000 / 300 / 20 30: 100 gttes/mn Planning for 24 hours: - Flagyl: 12pm-8pm- 4am - Perfalgan: 12pm - 6pm -24am-6am - Profnid: 12pm-24hI hopefully that these exercises will help you! If you want to offer me other exercises so I can put them on the site, feel free to leave me a comment! For practice dose calculations of care, here are some exercises with :)... Calculations of streams, dilutions and drugs! And there is something for everyone: bone treatment, injections, infusions, electric syringes... Note: The following exercises are not classified at all according to their difficulties, so you can easily skip one or two and come back later if you feel like it... IFSI Level If there is a problem or a mistake, leave me a comment! November 2014 - 60 exercises online! Part 1 / Part 2 / Part 3 1 / You have to give 1000 mg x 3/ d depakin syrup for the patient. Dosage 1 ml - 200 mg. How many teaspoons are you going to prepare for the dose? (1000×1)/200 - 5ml - 1 teaspoon 2/ The medicine is packed in a 30 ml vial containing 15 mg of active product. Knowing that 20 drops - 2 ml, how many mg of active product in 20 drops? 2 ml x mg active product -15×2)/30 - 1 mg of active product in 20 drops How many drops of this drug corresponds to the following recipe: 2.5 mg per 24 hours? 2.5mg - y mly - (30×2.5)/15 - 5ml (5×20)/2 - 50 drops/24h 3/ You have antibiotic treatment, to start in SE 500 mg/12h You have 500mg of vials and 1 g of cephalosolin to dilute what is the speed and dilution for 50ml SE? 500mg bottle diluted in 36 ml (or a few 12 less, than 50 ml) 36 ml for 12h or x ml for 1hx - 36/12 - 3ml/h - speed 3 on PES NB: We could also dilute these 500 mg in 48ml, speed 4 4/ You have a patient on an anticoagulant heparin sodic to SE. Recipe 250 mg / 24 hours. You have a bottle of 5 ml. Calculate the dilution and dosage of heparin and its speed, knowing that 1 ml of heparin contains 50 mg or 5000UI 5 ml bottle contains (5x50mg)/1 - 250 mg of heparin, to transfer24hOn dilutes this bottle in 48ml - 5ml heparin - 43ml phy48ml serum for 24 hours or x ml on h - 48/24 - 2ml/h - speed 2 5/ M. Manu weighing 89 kg is on dopamine 5g/kg/min in an electric syringe (cooking for 12 hours) You have an onion 200 mg per 10 ml and an onion 10 ml of physiological serum. Calculate the dilution of the syringe according to the medical prescription and Programmed speed on SE Total dose required will be 89x5x60x12 - 320 400g for 12h 320400g - 320.4 mg Using dopamine bulbs, I need x ml dopamine x (320,4x10)/200 - 16.02 ml - 16ml dopamine rounding PES is about 12h, so I dilute my 16ml in 48ml of phy serum or 16ml dopamine - 32ml 48ml whey for 12h or yml per h y - 48/12 - speed 4 6/mr. Bidule is in hypokalemia, the doctor asks you to fill 6g KCL for 8 hours in PES. KCL infusion is a painful concentration/dependent. Dilute the property with EPPI in 2 60 ml syringes and check your patient's puncture point You have 20ml KCL bulbs 20% What is the dosage and dilution of the syringe? In a bulb with 20% KCL, one has (20x20)/100 - 4g KCL To get 6g, So we will need one and a half KCL lamps or 30 ml I choose to dilute these 30ml KCL in 2 60 ml syringes to pass on 8h What is 15 ml KCL per syringe and on 4h For each syringe, I will have 15 ml KCL - 45 ml EPPI What is the flow of each syringe? 60/4 - 15ml/h - speed 15 7/ The next medical prescription should be applied from 8 hours: 1.5 mg per hour LENITRAL (trinitrine) to PES Do you use LENITRAL lamps dosed at 15 mg per 10 ml Will you complete the syringe at 45 ml with G5% How fast will the syringe be? I dilute 15 mg lenitral bulbs in 45ml - 10ml slothral - 35ml G5% 15 mg - 45ml, syringe speed corresponding to 1.5 mg/h will (45x1.5)/15 - 4.5 ml/h How long will the syringe last? To get 1.5 mg per hour, my 15 mg should be spent in y hours y 15/1.5 - 10 hours My syringe will last so 10h We re-check the speed of the syringe, which will be 45/10 - always 4.5 ml/h. All right, all right. 8/ You have a 1500ml G5% infusion recipe to pass in 16 hours. (for exercise, we imagine pockets 1L500 G5%, thank you) You should add to this infusion: 4.5g KCl you have bulbs from 20ml to 20% Express for each electro amount per ml on G 5%, as well as the number of bulbs, appropriate 1 bulb KCL contains (20x20)/100 - 4g So I need (4.5x100)/20 - 22.5 ml KCL - 1 onion and 1 /8 1 Bulb NaCl contains (20x20)/100 - 4g So I need to (10x100)/20 - 50 mlNaCl - 2 bulbs and 1/2 Calculate infusion flow (1500-22.22 5-50)x20)/16x60 - 32.8 - 33 drops /min Calculate g glucose amount, which patient will receive during these 16h C G5% (5x1500)/100 - 75g glucose 9/ Mr. Carrot , 95 kg, hospitalized for discomfort with cardiorespiratory arrest. Coronary artery surgery and coronary enlargement with a stent position were performed. The doctor prescribes: - Heparin (anticoagulant) IV: 16,000 IU x 2 /24 hours with an electric syringe to shoot. Syringe Full at 24 ml with EPPI - Dobutrex (tonocardia): 5kg/min with an electric syringe shoot. The syringe should be prepared in such a way that 1 ml/h corresponds to 1/kg/min and is supplemented with up to 50 ml with EPPI. Bottles of 20 ml dosed with 250 mg, bottles with heparin, EPPI bulbs and 50 ml syringes for heparin preparation? Recipe 16000UI per 12h 1ml - 5000UI (i.e.) I need (16000x1)/5000 - 3.2ml heparina diluted in 24 ml syringe - 3.2 ml heparin - 20.8 EPPI flow calculation: 24/12 - speed 2 Dobutrex preparation? 1/kg/min - 95/min - 95x60 - 5700 - 5.7mg will pass in 1 hour We want to use a 50ml syringe with 1ml/h, so we will need 5.7mg x 50 - 285mg Dobutrex in a syringe We have 20ml vials dosed up to 250mg Dose Dobutrex to be taken to be (20x285)/250 - 22.8ml Syringe dilution - 22.8ml Dobutrex - 27.2ml EPPI For electric syringe speed, we know that 1 ml/h - 1/kg/min. We want 5/kg/min so speed 5 10/ You have to make the following prescription for the patient hospitalized in surgical intensive care: Loxen IV (antihypertensive): 3 mg/h in pure solution, electric syringe shoot. You have 10 ml bulbs dosed to 10 mg. The syringe should be prepared with 4 bulbs. At 8 a.m., 16 ml of Loxen was left in the syringe. Explain how you make this recipe and say how much it was delivered to Syringe Training with 4 pure Loxen bulbs: 40ml - 40mg At a rate of 3 mg/h - 3ml/h - speed 3 There were 16ml left so 24ml had already passed 24/3 - 8, so the syringe was laid 8 hours ago or midnight! 11/ The doctor prescribed Vanya, 80 kg, dopamine with an electric syringe to shoot 3 y/kg/min. The syringe is prepared in such a way that 1/kg/min is 1 ml/h. Domamine bulbs 5 ml dosed to 200 mg and EPPPEI bulbs How do you conduct this recipe? 1/kg/min - 80/min - 80x60 - 4800 - 4.8mg will pass in 1 hour 50 syringe used with 1 ml/h, So 4.8x50 - 240mg will be needed to prepare a syringe bulbs dosed at 200 mg for 5ml So we need (240x5)/200 - 6 ml of dopamine to prepare the dilution of the syringe: 6ml dopamine - 44 ml EPPI Required flow 3/kg/min and this syringe is prepared so that 1/kg/min corresponds to 1 ml/h. Either the speed of 3, or 3ml/h 12/ Mr. Pipó's recipe (Mr. Pipó's weight is 72 kg) also includes: - Dopamine 7/kg/min to an electric syringe. The syringe is prepared in such a way that 1/Kg/mn corresponds to 1mL/h. You have - 5 ml of vials of dopamine is dosed up to 200 mg, - G5% bulbs 10 ml, - 50 ml syringes. How do you achieve this requirement? 1/Kg/mn - 72/min - 72x60 - 4320 - 4.32mg will pass in 1 hour 50ml syringe used 1ml/h, so 4.32x50 - 216mg will be needed to prepare a syringe bulbs dosed at 200mg for 5ml So we need (216x5)/200 - 5.0 Dilution of dopamine: 5.4ml Dopamine - 44.6ml G5% Requested 7/kg/min and so prepared that 1/kg/min 1 mL/h. Either speed 7, or 7ml/h 13/ The doctor prescribes: Dopamine 5 y/kg/min for 70 kg patient to control the electric syringe shoot. Do you have 5ml dopamine bulbs dosed to 200 mg. How much dopamine are you going to take to give it to the patient in the first hour? 5 y/kg/min - 350/min - 350x60 - 21000 - 21 mg - 21 mg for 1 hour Diluted syringe is 200 mg in 50 ml (21x50)/200 - 5.25 ml/h diluted dopamine in 5 hours, THE PA drops and the doctor increases the dose of dopamine to 8 y/kg/min. How fast do you install an electric syringe to shoot in 3 hours? 1/Kg/min - 70/min - 70x60 - 4200 - 4.2mg will pass in 1 hour 50ml syringe with 1ml/h, so 4.2x50 - 210mg will be needed to prepare syringe balls dosed at 200mg for 2200mg for 200mg0mg5ml So we need (210x5)/200 - 5.25ml dopamine dilution: 5.25ml dopamine - 44.75ml fi serum Needed flow 5/kg/min and this syringe is prepared so, that 1/kg/min corresponds to 1 ml/h. Either speed 5, or 5 ml/h at 5 o'clock, the PA drops and the doctor increases the dose of dopamine to 8 y/kg/min. How fast do you install an electric syringe to shoot in 5 hours? This syringe is prepared in such a way that 1/kg/min is 1 ml/h. Either speed 8, or 8ml/h 16/700 ml of infusion should pass in 12 hours. Calculate the flow of fast-! (700x20)/ (12x60) - 19 drops per minute 17/ Hydration starting at 8am today 1 liter 500 physiological serum / 24 hours You have pockets of 1 litre and 500 ml of serum fi How do you plan these infusions and what is the flow of each bag? 1L500 at 24h gives 1L at 4pm and 500ml at 8am (24/3) Example planning: 1st pocket 500ml from 8am to 4pm, second pocket 1L from 4pm to 8am the next day. Flow 500ml pocket will be (500x20)/ (8x60) - 21 drops/min Flow 1L bag will be (1000x 20)/ (16x60) - 21 drops / min 18/ Recipe 1 liter G5% for 24 hours with 3 g Nacl and 1 g Kcl per liter. Do you have 1 liter G5 pockets, 20% Nacl bulbs and 10% Kcl bulbs, how much do you get from NaCl and KCl? Calculate the infusion flow based on the number of NaCl electrolytes --100/20 - 15 ml - 3/4 of the amount of bulb KCl (1x100)/10 - 10 ml - 1 onion Infusion Flow (1000-15-10) x20/24x60 - 14 drops/min 19/ The doctor prescribed Mr. Budiou 250 mg of Lasilix (urinary) to spend 2 hours in PES. You have 25 ml bulbs dosed to 250 mg. How much do you install an electric syringe to shoot? So I need a 1 25 ml lamp to pass in 2 hours. The PES speed is 25/2 - 12.5ml/h 20/ The doctor prescribed Heparin 20,000 IU/24h PES. Prepare an electric syringe so that the syringe flow is 2 ml/h. You have 1 ml to 5000UI heparin, saism serum and syringe To prepare the syringe 20,000UI, I need 4 bulbs from 1 ml to 5000UI I dilute 4 ml heparin I dilute in 48 ml syringe (2x24h, speed 2): 4 ml heparin - 44 ml serum phy My flow will be 48/24 - 2ml/h 2ml/h calcul de dose exercice corrigé. calcul de dose exercice pdf. calcul de dose exercice ide. calcul de dose exercice perfusion. calcul de dose exercice pse. calcul de dose exercices infirmier. calcul de dose exercices et correction. calcul de dose exercice simple

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