

Anticoagulation Activity Answers

<u>Activity</u>	<p><u>Select the right dose:</u> look at the case studies and table in appendix 1, see if you can work out what strength of enoxaparin the patients need to be given. Anti-coagulation is given when patients are bed bound and unable to move, it helps prevent dangerous blood clots that can cause stroke, blockages in veins or a heart attack.</p>
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Appendix 1

	Weight for subcutaneous anti-coagulation			
Kidney Function	<50Kg	50-100Kg	100-150Kg	>150Kg
Good function (CrCl over 30mL/min)	Enoxaparin 20mg Once a day	Enoxaparin 40mg Once a day	Enoxaparin 40mg Twice a day	Enoxaparin 60mg Twice a day
Moderate function (CrCl 15-30mL/min)	Enoxaparin 20mg Once a day	Enoxaparin 20mg Once a day	Heparin 7500 units Three times a day	Heparin 7500 units Three times a day
Poor Function (CrCl under 15mL/min)	Heparin 5000units Twice a day	Heparin 5000units Twice a day	Heparin 7500 units Three times a day	Heparin 7500 units Three times a day

Patient 1:

Jane Doe is a 96-year-old woman who has fallen over in her own home and broken her leg, she will have to be non-weightbearing for 28 days while the fracture heals. She weighs 53Kg. She was on a lot of medication which has been stopped by her GP last week due to poor kidney function.

What anti-coagulation would a pharmacist advise?

Heparin 5000units Twice a day

Patient 2:

Lucy Black is a 33-year-old woman who fell off some scaffolding at work. Lucy landed on her hip which caused a fracture, she will not be able to walk for 6 weeks. Being a builder, she is fit and active and otherwise healthy, she takes no medication. Lucy weighs 70Kg but has no test results for her kidney function.

What anti-coagulation would a pharmacist advise?

Enoxaparin 40mg Once a day

Patient 3:

Yan-Ting Zhang is a 40-year-old man on holiday from Taiwan, he fell over while riding a rented e-bike and the frame broke his leg. He states he weighs over 100Kg, he is 188cm tall and has a large frame. He also states that he has glomerular nephritis a condition that impacts the functioning of his kidneys. His blood test results show that his kidney function was borderline moderate at over 29mL/min.

What anti-coagulation would a pharmacist advise?

Heparin 7500 units three times a day

Patient 4:

Fulanah Sukanro is a 70-year-old woman, she was run over when crossing the road and has broken her left leg, hip and foot. She is incredibly frail and has dementia. She cannot be weighed due finding getting out of bed distressing, due to her short stature of 150cm and her very thin frame an experienced doctor determines she is likely under 50Kg. She has moderate kidney function with some kidney disease due to her age.

What anti-coagulation would a pharmacist advise?

Enoxaparin 20mg Once a day

Patient 5:

John Smith is a 64-year-old man, and he says a week ago when he was last weighed, he was 181KG. John has a skin infection on both of his feet and won't be able to walk until the infection has healed. His blood test results show that his kidney function was good.

What anti-coagulation would a pharmacist advise?

Enoxaparin 60mg Twice a day
