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Title	Quantities of GLP-1 mimetics
Type	Article
URL	https://clock.uclan.ac.uk/32634/
DOI	10.12968/jprp.2020.2.3.120
Date	2020
Citation	Davies, Janice Anne (2020) Quantities of GLP-1 mimetics. <i>Journal of Prescribing Practice</i> , 2 (3). p. 120. ISSN 2631-8385
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It is advisable to refer to the publisher's version if you intend to cite from the work.
10.12968/jprp.2020.2.3.120

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Quantities of GLP1 mimetics

It is important to ensure that appropriate quantities of GLP1 mimetics are prescribed to avoid financial waste and for patient safety reasons. Six GLP1 mimetics are licensed for diabetes management.

Calculate the number of devices needed for a one month supply for each GLP1 mimetic.

Generic name (and brand name) of GLP1 mimetic	Dose	Strength and volume of device	How many devices needed for one month?	
				Answer =
Exenatide (Byetta)	5 micrograms twice daily before meals, increased if necessary to 10 micrograms twice daily	5 micrograms/0.02ml, 1.2ml pre-filled pen	5 microgram dose	Answer =
		10 micrograms/0.02ml, 2.4ml pre-filled pen	10 microgram dose	Answer =
Exenatide (Byduron)	2mg once weekly	Pre-filled injection injection containing 2mg powder and solvent for prolonged release injection	Answer =	
Liraglutide (Victoza)	Initially 0.6mg once a day for at least a week, then increased to 1.2mg daily for a week, increased if necessary to 1.8mg daily	6mg/ml 3ml prefilled pen	1.2mg dose	Answer =
			1.8mg dose	Answer =
Lixisenatide Lyxumia)	Initially 10 micrograms once daily for 2 weeks, then 20 micrograms once daily	10 microgram/0.2ml 3ml pre-filled pen (titration pack)	10 microgram titration dose	Answer =
		20 microgram/0.2ml 3 ml pre-filled pen	20 microgram dose	Answer =
Dulaglutide (Trulicity)	0.75 mg once weekly as monotherapy	0.75mg/0.5ml pre-filled pen	0.75mg dose	Answer =
	1.5mg once weekly in combination	1.5mg/0.5ml pre-filled pen	1.5mg dose	Answer =

Semaglutide (ozempic)	Initially 0.25mg once weekly for 4 weeks, then 0.5mg once weekly for at least 4 weeks, then if necessary 1mg once weekly	0.5mg/0.37ml 1.5ml pre-filled pen 1mg/0.74ml 3 ml pre-filled pen	0.5mg dose	Answer =
			1mg dose	Answer =