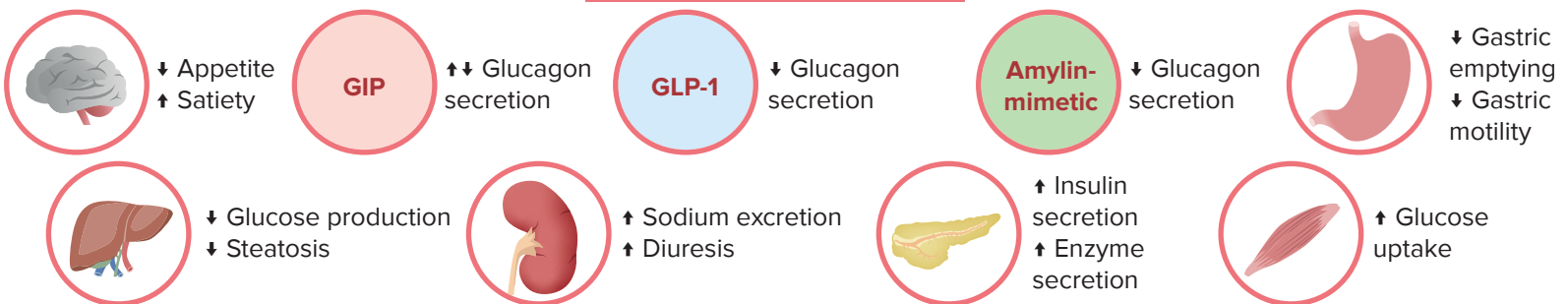


# INJECTABLE NON-INSULIN MEDICATION MANAGEMENT OF DIABETES

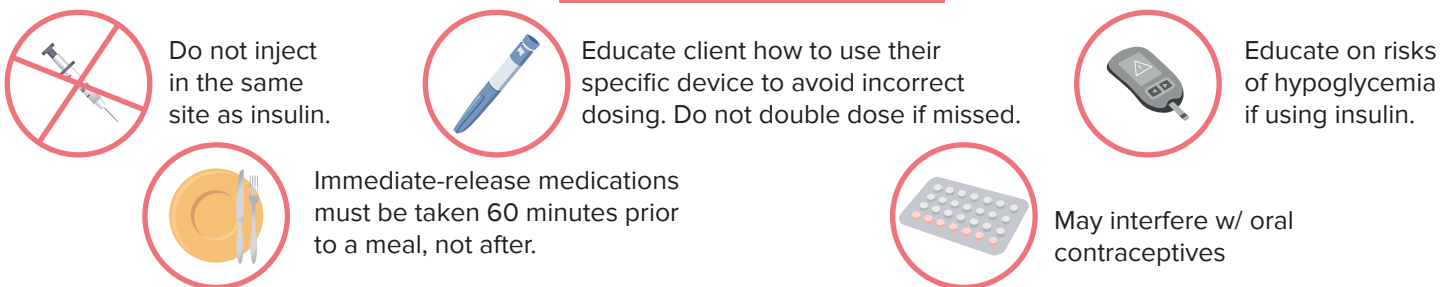


Class	Names	Mechanism of action	Adverse effects	Teaching
Incretin mimetics (GLP-1 receptor agonists) (SubQ)	Exenatide, dulaglutide, liraglutide, semaglutide	<ul style="list-style-type: none"> <li>• Slow gastric emptying, stimulate release of insulin with glucose, suppress glucagon release after a meal, suppress appetite</li> <li>• Type 2 only (off-label for Type 1)</li> </ul>	<ul style="list-style-type: none"> <li>• Hypoglycemia when taken with insulin</li> <li>• GI distress</li> <li>• Pancreatitis</li> <li>• Renal insufficiency</li> <li>• Possible risk of thyroid cancer</li> </ul>	<ul style="list-style-type: none"> <li>• SubQ injection prior to meals (immediate release) or once weekly (extended release)</li> <li>• Can affect absorption of oral medications</li> </ul>
GIP/GLP-1 receptor co-agonists (SubQ)	Tirzepatide	<ul style="list-style-type: none"> <li>• Slow gastric emptying, stimulate release of insulin with glucose, suppress glucagon release after a meal, suppress appetite</li> <li>• Type 2 only</li> </ul>	<ul style="list-style-type: none"> <li>• Hypoglycemia when taken with insulin</li> <li>• GI distress</li> <li>• Renal insufficiency</li> <li>• Pancreatitis</li> <li>• Possible risk of thyroid cancer</li> </ul>	<ul style="list-style-type: none"> <li>• Once-weekly subQ injection</li> <li>• Can affect absorption of oral medications</li> <li>• In response to carbohydrates, GIP and GLP-1 cause insulin release and decrease glucagon secretion.</li> <li>• In euglycemic or hypoglycemic states, GIP causes an increase in glucagon secretion.</li> </ul>
Amylin mimetics (SubQ)	Pramlintide	<ul style="list-style-type: none"> <li>• Slow gastric emptying, stimulate release of insulin with glucose, suppress glucagon release after a meal, suppress appetite</li> <li>• Type 1 and 2</li> </ul>	<ul style="list-style-type: none"> <li>• Hypoglycemia when taken with insulin</li> <li>• GI distress</li> <li>• Injection site reaction</li> </ul>	<ul style="list-style-type: none"> <li>• SubQ injection prior to meals</li> <li>• Used w/ mealtime insulin</li> <li>• Can affect absorption of oral medications</li> </ul>

## Mechanism of Action



## Client Education



## NOTES

