

Injectables that Lower Glucose



Class/Main Action	Name	Dose Range	Considerations
GLP-1 Receptor Agonist (GLP-1 RA) “Incretin Mimetic” <ul style="list-style-type: none"> Increases insulin release with food Slows gastric emptying Promotes satiety Suppresses glucagon 	exenatide (Byetta) exenatide XR (Bydureon)	5 or 10 mcg BID (renally excreted) 2mg 1x a week (renally excreted)	Side effects for all: Nausea, vomiting, weight loss, injection site reaction. Report signs of acute pancreatitis (severe abdominal pain, vomiting), stop med. Black box warning: Thyroid C-cell tumor warning for liraglutide, exenatide XR, albiglutide, and dulaglutide (avoid if family history of medullary thyroid cancer, notify MD of hoarseness, throat lump). Lowers A1c 0.5 – 1.6% Wt loss of ~ 3lbs
	liraglutide (Victoza)	0.6 - 1.8 mg daily	
	lixisenatide (Adlyxin)	10 mg daily for 2 weeks. Then increase to 20 mg daily.	
	albiglutide (Tanzeum)	30 and 50 mg 1x a week pen injector	
	dulaglutide (Trulicity)	0.75 and 1.5 mg 1x a week pen injector	
Amylin Mimetic <ul style="list-style-type: none"> Slows gastric emptying Suppresses glucagon Promotes satiety 	pramlintide (Symlin)	Type 1: 15 - 60 mcg; Type 2: 60 - 120 mcg immediately before major meals	For Type 1 or 2 on insulin. Black box warning: severe hypoglycemic risk 3 hrs post injection. Prevent hypoglycemia, decrease insulin dose when starting pramlintide. Side effects: nausea, weight loss. Lowers A1c 0.5 – 1%

The information listed here are general guidelines only; please consult prescribing information for details.

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Insulin/Injectable Combos

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Name	Combines	Considerations
IDegLira	Insulin degludec (IDeg or Tresiba) Ultra long insulin + Liraglutide (Victoza) GLP-1 Receptor Agonist (GLP-1 RA)	Once daily fixed ratio pen injection – Dose range 1 to 50. Pre-filled pen contains fixed IDeg/liraglutide ratio of 100 units/ 3.6 mg per mL. Max dose is 50 = 50 units IDeg + 1.8 mg liraglutide. <ul style="list-style-type: none"> • IDegLira dose titrated based on fasting BG (see package insert) • Dose prescribed matches the number show on the pen. Common starting dose: <ul style="list-style-type: none"> • 10 IDegLira for insulin naïve pts and • 16 IDegLira for pts already on basal insulin or GLP-1 RA. When dialed to 10, IDegLira pen delivers 10 units IDeg + 0.36 mg liraglutide. When dialed to 16, IDegLira pen delivers 16 units IDeg + 0.6 mg liraglutide.
iGlarLixi Solostar Pen (Soliqua)	Insulin glargine (Lantus) 10 – 60 units day + Lixisenatide (Adlyxin) 5 – 20 µg GLP-1 Receptor Agonist	Once daily fixed ratio pen injection before breakfast based on Fasting BG. 2 different iGlarLixi Solostar pen dose ratios available: <ul style="list-style-type: none"> • Yellow pen = 10 – 40 units glargine + 5 – 20 µg lixisenatide Delivers glargine/lixisenatide at 2/1 ratio (for insulin naïve pts) • Green pen - 30 – 60 units glargine + 10 – 20µg lixisenatide Delivers glargine/lixisenatide at 3/1 ratio (for pts on basal insulin)

These are general guidelines only; please consult prescribing info. Observe precautions of each component drug.

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