

GLP-1 Receptor Agonists

| Product | Dosing | eGFR Dose Adjustment |
|---|---|-----------------------------|
| Exenatide (Byetta®) | 5 mcg BID given I hour before meal, may titrate to 10 mcg BID after 4 weeks (Max dose 20 mcg/day) | CrCl <30 ml/min: Do not use |
| Exenatide ER (Bydureon®) | 2mg once weekly (no titration) | eGFR <45 ml/min: Do not use |
| Dulaglutide (Trulicity®) | 0.75mg weekly \times 4-8 weeks, may increase dose no more often than every 4 weeks (Max dose 4.5mg) | none |
| Liraglutide (Victoza®) | 0.6 mg daily \times I week then increase to 1.2 mg (minimally effective dose). May increase up to 1.8 mg after I week | none |
| Semaglutide (Ozempic®) | $0.25~{\rm mg} \times 4$ weeks, then increase to $0.5~{\rm mg}$ weekly (minimally effective dose). May increase to next pen strength no more often than every 4 weeks (Max dose 2 mg) | none |
| Semaglutide (Rybelsus®) | 3 mg daily x 4 weeks, then increase to 7mg (minimally effective dose). May increase to 14mg daily after 30 days (Max dose 14mg daily) | none |
| Tirzepatide (Mounjaro®) (GLP-I/GIP agonist, CV trials in progress) | 2.5 mg weekly x 4 weeks, then increase to 5mg weekly (minimally effective dose). May increase in 2.5mg/week increments every 4 weeks to max 15mg/week. | none |

Adverse Effects:

- Nausea, vomiting, diarrhea
- black box warning against use in patients with family history of medullary thyroid cancer or multiple endocrine neoplasia-2

Pearls:

- Eating smaller meals with lower fat content (avoid greasy foods) increases GI tolerability
- Be sure to optimize dosing beyond starting doses after 4 weeks. Continue to increase dose every 4 weeks if BG remain above goals
- May require lower doses of insulin to avoid hypoglycemia
- Discontinue if pancreatitis is suspected
- Avoid use with DPP-4 (no added glucose benefit with increased cost)

SGLT-2 Receptor Antagonists/Inhibitors

| Product | Dosing | eGFR Dose Adjustment | Additional Benefits in Co-morbidities |
|-------------------------------|----------------------------|---|---|
| Canagliflozin (Invokana®) | 100mg daily 300mg daily | eGFR 45-60 ml/min: I00mg/d eGFR <45 ml/min + >300 mg/d urine albumin: I00mg/d eGFR <45 ml/min + <300 mg/d urine albumin: do not use | Decrease HF hospitalization Reduction in CKD Progression Cardiovascular endpoints |
| Dapagliflozin (Farxiga®) | 5mg daily 10mg daily | eGFR 25-45 ml/min: recommend against use for DM, however safe to continue for diabetic kidney disease or HF | Heart Decrease HF hospitalization Reduction in CKD Progression |
| Empagliflozin (Jardiance®) | 10mg daily 25mg daily | Discontinue if eGFR <30 ml/min (safely used in HF in eGFR>20) | Decrease HF hospitalizationReduction in CKD ProgressionCardiovascular endpoints |
| Ertugliflozin (Steglatro®) | 5mg daily 15mg daily | Discontinue if eGFR <60 ml/min | Decrease HF hospitalization |

Adverse Effects:

- Genital mycotic infections, urinary tract infections, hypotension, volume depletion
 Pearls:
- Encourage appropriate hygiene and hydration to minimize adverse effects
- May need dose reduction in other diuretic therapies
- Discontinue 3-4 days prior to surgery or any prolonged fasting state (minimize euglycemic DKA)

DPP-4 Inhibitors

| Product | Dosing | eGFR Dose Adjustment |
|--------------------------|-------------|--|
| Alogliptin (Nesina®) | 25mg daily | CrCl ≥30-60: I 2.5mg daily CrCl <30: 6.25mg daily |
| Linagliptin (Tradjenta®) | 5mg daily | None |
| Saxagliptin (Onglyza®) | 5mg daily | eGFR <45: 2.5mg daily |
| Sitagliptin (Januvia®) | 100mg daily | eGFR ≥30-45: 50mg daily eGFR <30: 25mg daily |

Adverse Effects:

Nasopharyngitis, pancreatitis (rare)

Pearls:

- Starting at max dose is recommended (titration not necessary)
- Avoid use with GLP-I agonist (no added glucose control at increased cost)
- Saxagliptin associated with increased hospitalizations for HF in patients with CV disease or CV risk factors
- Less A1c lowering and no added CV or renal benefit seen with other classes

Insulin Regimen

"Fix Fastings First"

- Begin with Basal/long-acting insulin
 - Lantus (Basaglar), Levemir, Toujeo, Tresiba
 - Dosing options:
 - 0.1-0.2 units/kg/day OR 10 units daily
 - Titrations: increase 2 units every 3 days until fasting BG at goal (90-130)
 - Consider adding meal-time insulin when dose is ~0.5 units/kg

• Add Meal-time/rapid-acting insulin if goals not met

- Novolog (insulin aspart), Humalog, Lyumjev, Ademelog
- Dosing options:
 - Initiate 4-5 units before largest meal of the day
 - Titrate by I-2 units as needed to goal post-prandial BG (<180)
 - Further intensify by adding to each meal if needed

2024 Stars/ACO Quality Metrics (updated 10.2023)

| Measure | | Program | | Star Category & Weight | | Thresholds | |
|---|----------|----------|--------------|------------------------|--------|------------|--|
| | Stars | ACO | Part C or D? | Weight | 4 Star | 5 Star | |
| Care for Older Adults - Medication Review | | | С | 1 | 93% | 98% | |
| Care for Older Adults - Pain Assessment | | | С | 1 | 91% | 96% | |
| Medication Adherence for Diabetes | ✓ | | D | 3 | 88% | 90% | |
| Medication Adherence for Hypertension (RAS) | | | D | 3 | 89% | 91% | |
| Medication Adherence for Cholesterol (Statins) | ✓ | | D | 3 | 89% | 93% | |
| TRC: Medication Reconciliation Post-Discharge | ✓ | ✓ | С | 0.5 | 68% | 82% | |
| TRC: Patient Engagement After Inpatient Discharge | ✓ | | С | 0.5 | 64% | 78% | |
| Follow-Up After ED Visit for MCC | | | С | 1 | 60% | 68% | |
| Plan All-Cause Readmissions | ✓ | | С | 1 | 10% | 8% | |
| Osteoporosis Management in Women w/ Fracture | | | С | 1 | 55% | 71% | |
| Kidney Health Evaluation for Patients with Diabetes | ✓ | | С | 1 | TBD | TBD | |
| Statin Use in Persons with Diabetes | | | D | 1 | 88% | 92% | |
| Diabetes Care - Eye Exam | | | С | 1 | 73% | 81% | |
| Diabetes Care - Blood Sugar Controlled | ✓ | ✓ | С | 3 | 80% | 87% | |
| Breast Cancer Screening | | ✓ | С | 1 | 71% | 79% | |
| Colorectal Cancer Screening | ✓ | ✓ | С | 1 | 71% | 80% | |
| Controlling Blood Pressure | | ✓ | С | 3 | 74% | 82% | |
| Statin Therapy for Cardiovascular Disease | | ✓ | С | 1 | 86% | 90% | |
| Reducing the Risk of Falling | | ✓ | | | | | |
| Depression Screening | | ✓ | | | | | |
| Influenza Immunization | | ✓ | | | | | |
| Tobacco Screening and Cessation Intervention | | ✓ | | | | | |