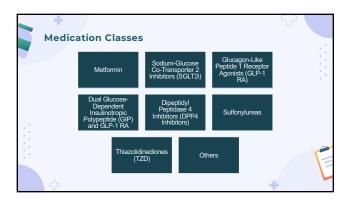


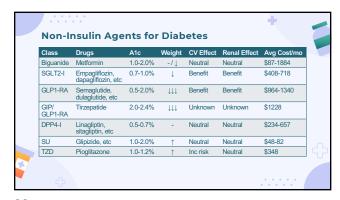
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Metformin

Class Drugs A1c Weight CV Effect Renal Effect Avg Cost/mo
Biguanide Metformin 1.0-2.0% -/ \(\) Neutral Neutral \$87.1884

• MoA: decrease gluconeogenesis in the liver, increases insulin sensitivity
• Hypoglycemia – No
• Monitor eGFR
• Half dose if eGFR 30 – 45, no initiation
• Contraindicated with eGFR < 30
• Clinical Considerations:
• GI side effects common: bloating, abdominal discomfort, diarrhea
• Monitor GFR, LFTs, and B12 levels

SGLT-2 Inhibitors

Class Drugs A1c Weight CV Effect Renal Effect Avg Cost/mo
SGLT2-1 Empagliflozin, 0.7-1.0% ↓ Benefit Benefit \$408-718

Drugs: canagliflozin, empagliflozin, dapagliflozin, ertugliflozin, bexagliflozin

MoA: inhibits SGLT-2 which blocks glucose reabsorption by the kidneys and promotes renal excretion of glucose

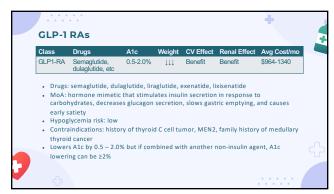
Hypoglycemia – No
Cardiac benefit - Yes

Effect on MACE: canagliflozin, empagliflozin
Her: canagliflozin, empagliflozin, etugliflozin, etugliflozin
Renal benefit – canagliflozin, empagliflozin, dapagliflozin, etugliflozin
Glucose lowering effect is lower at lower eGFR

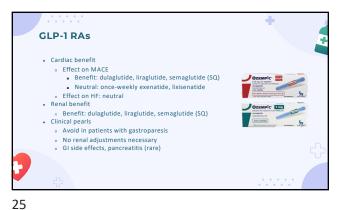
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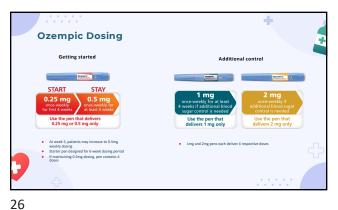
SGLT-2 Inhibitors

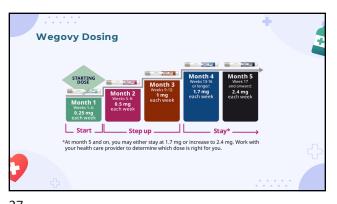
- Clinical Considerations:
- Euglycemic DKA risk (rare)
- Hold 3 days before scheduled surgery, during critical illness, or during prolonged fasting
- Increased risk of genital mycotic infections
- Necrotizing fascilitis of the perineum (rare reports)
- Attention to volume status, blood pressure
- Canagliflozin may increase risk of leg and foot amputations

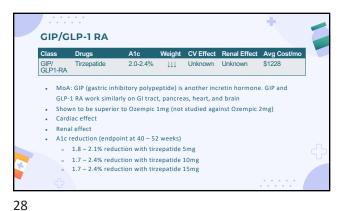


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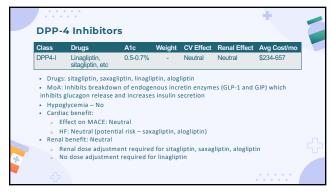




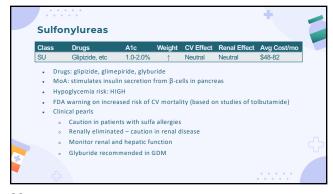


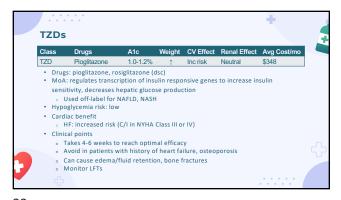






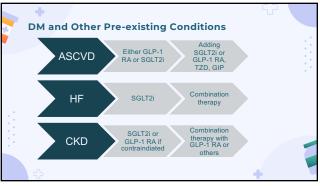


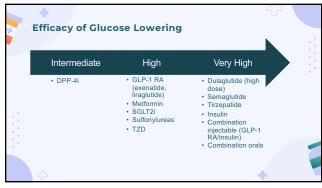






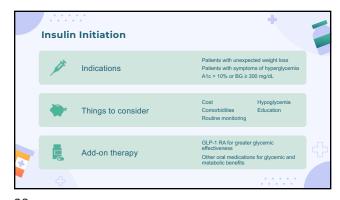
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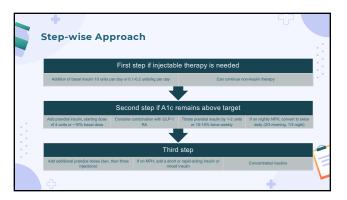




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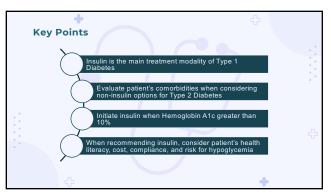








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