



# SGLT2 Inhibitors Precautions Guide

Sodium-Glucose Cotransporter-2 inhibitors (SGLT2i)



## CHRONIC KIDNEY DISEASE

- **Reduced** glycemic benefit if eGFR<45.
- **Monitor** kidney function ~2-3 wks after initiation.
- **Stop** if acute kidney injury, symptomatic hyperglycemia, or uncontrolled hyperkalemia.



## PRIOR TO SURGERY

- **Hold for 4 days** prior.
- Resume after full oral intake is established.



## VOLUME STATUS AND DEHYDRATION

- **Monitor** blood pressure.
- Adjust diuretics if volume depleted or hypotensive.
- Treat severe hyperglycemia prior to starting SGLT2i.
- Drink **~2 liters** H<sub>2</sub>O/day, adjust for heart failure status.



## HYPOGLYCEMIA

- Rare (<1%) risk of severe hypoglycemia.
- Consider reduce TDD insulin up to 20%.
- Consider reduce SU ~50%.
- **Monitor** glucose control closely.



## GENITAL MYCOTIC INFECTIONS AND URINARY TRACT INFECTION

- **5-10% risk.**
- Treat severe hyperglycemia prior to starting.
- **Avoid** if history of chronic UTI, prior severe yeast infections.
- **Consider risks and benefits** if high risk (females, adults over age 60, or uncircumcised males).
- **Treat & continue** if mild; stop if recurrent.
- Counsel on perineal hygiene.



## EUGLYCEMIC KETOACIDOSIS

- **Avoid** SGLT2i with very low carb diet (<50g/d).
- **Hold** for sick days, fasting, or prior to surgery.



## NECROTIZING FASCIITIS OF PERINEUM

- **Advise** patients to seek medical attention for pain, redness, swelling of genitals and fever.



## LOWER LIMB / TOE AMPUTATION <sup>2,4,5</sup>

- **Monitor** foot health and treat PAD and diabetic foot infection promptly.
- Consider avoiding Invokana in very high risk individuals or prior amputation.



## BONE FRACTURE <sup>1,3,5</sup>

- **Screen** for fall risk.
- **Avoid** hypotension in elderly adults.
- May consider avoiding Invokana in very high risk individuals.

SEVERITY: ○ LOW ● MODERATE ● HIGH

● RARE/UNPROVEN

These risks have been reported in some clinical trials. Recent meta-analyses show no statistically significant risk. Use caution.

TDD = total daily dose; SU – sulfonylurea

(1) ADA 2025 doi: [doi.org/10.2337/dc25-S004](https://doi.org/10.2337/dc25-S004) (2) Das 2020 doi: [2020 2019 10.1016/j.jacc.2020.05.037](https://doi.org/10.1016/j.jacc.2020.05.037) (3) Qiu 2021 doi: [10.1177/14791641211011016](https://doi.org/10.1177/14791641211011016) (4) Buse 2020 doi: [10.2337/dci19-0066](https://doi.org/10.2337/dci19-0066) (5) Li 2023 doi: [10.3389/fphar.2023.1275060](https://doi.org/10.3389/fphar.2023.1275060)