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**Name of Journal:** *World Journal of Transplantation*

**Manuscript NO:** 62523

**Manuscript Type:** MINIREVIEWS

Chances and risks of <sup>4</sup>sodium-glucose cotransporter 2 inhibitors in solid organ transplantation: A review of literatures

Schwarzenbach M *et al.* SGLT-2 inhibitors in transplantation

Marlene Schwarzenbach, Flavia Elena Bernhard, Cecilia Czerlau, Daniel Sidler

<sup>4</sup>**Abstract**

Solid organ transplantation offers <sup>4</sup>life-saving treatment for patients with end-organ dysfunction. Patient survival and quality of life have improved over the past few decades as a result of pharmacological development, expansion of the donor pool, technological advances and standardization of practices related to transplantation. Still, transplantation is associated with cardiovascular complications, <sup>2</sup>of which post-



Chances and risks of sodium-glucose cotransporter 2 inhibitors in s



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### Sodium Glucose Cotransporter-2 Inhibition and Cardiorenal ...

<https://www.sciencedirect.com/science/article/pii/S0735109719377289>

Nov 19, 2019 · Sodium glucose **cotransporter 2 inhibitors** in the treatment of diabetes mellitus: cardiovascular and kidney **effects**, potential mechanisms, and clinical applications. *Circulation* , 134 ( 2016 ) , pp. 752 - 772

**Cited by:** 18 **Author:** David Z. Cherney, Ayodele Odutayo, Ronnie ...

**Publish Year:** 2019

### Lower risk of death and cardiovascular events in patients ...

<https://dom-pubs.onlinelibrary.wiley.com/doi/10.1111/dom.14361>

Feb 19, 2021 · Lower **risk** of death and cardiovascular events in patients with diabetes initiating glucagon-like peptide-1 receptor agonists or **sodium-glucose cotransporter-2 inhibitors**: A real-world study in two Italian cohorts. Marta Baviera PharmD. ... Department of Emergency and **Organ Transplantation**, Section of Internal Medicine, Endocrinology ...

**Author:** Marta Baviera, Stefano Genovese, Vito ... **Publish Year:** 2021

### (PDF) Sodium–Glucose Cotransporter 2 Inhibitors and Kidney ...

<https://www.researchgate.net/publication/341630010...>

May 25, 2020 · Background: The **effects of** sodium-glucose **co-transporter-2 (SGLT2) inhibitors** on kidney failure, particularly the need for dialysis or **transplantation** ...

**Estimated Reading Time:** 5 mins

### Efficacy and safety of sodium-glucose cotransporter 2 ...

<https://www.researchgate.net/publication/301203209...> · [Translate this page](#)

**Inhibitors of** sodium–glucose **cotransporter 2 (SGLT2)** have emerged as practice-changing treatments for patients with type 2 diabetes, reducing both the **risk** of cardiovascular events and kidney ...

**Estimated Reading Time:** 9 mins

### (PDF) SGLT2 Inhibitors and Kidney Outcomes in Patients ...

<https://www.researchgate.net/publication/343833776...>

Aug 24, 2020 · Perkovic, V.; et al. Sodium-glucose **cotransporter 2** inhibition for the prevention of cardiovascular events in patients with type 2 diabetes mellitus: A systematic **review** and meta-analysis. *J.*

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### Management Strategies for Posttransplant Diabetes Mellitus ...

<https://www.hindawi.com/journals/jtrans/2018/1025893>

7.5. **SGLT-2 Inhibitors.** Sodium-glucose **cotransporter 2 (SGLT-2) inhibitors** act via inhibition of SGLT-2 channels, which are located almost exclusively in the renal tubules and are responsible for approximately 90% of renal glucose reabsorption .

### Drug–Drug Interactions with Sodium-Glucose Cotransporters ...

<https://www.researchgate.net/publication/259721700...>

It is known that **sodium/glucose cotransporter 2 inhibitors (SGLT 2i)** and glucagone like peptide-1 receptor agonists (GLP-1 RAs) have renoprotective **effects**, but the molecular mechanisms are still ...

### Drug–drug interactions between immunosuppressants and ...

<https://www.researchgate.net/publication/308180287...>

Objective Sodium glucose **cotransporter-2 inhibitors (SGLT2i)** exert cardiorenal protection in people with diabetes. ... **solid organ transplantation**, and is a **risk** factor for graft failure and ...

### The Intricate Relationship between Type 2 Diabetes ...

<https://www.hindawi.com/journals/jdr/2020/3920196>

Aug 04, 2020 · Sodium-Glucose **Cotransporter-2 (SGLT2) Inhibitors** The newly T2DM therapy SGLT-2 **inhibitors** increase glucagon levels, diminish renal reabsorption of glucose, and increases its excretion. SGLT2 **inhibitors** could benefit the hepatic function because it promotes glucagon secretion, DNL, and urinary caloric losses with subsequently weight loss [ 181 ].

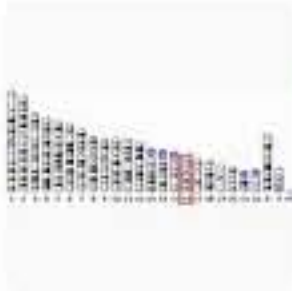
### Diabetic nephropathy: diagnosis and treatment | Nature ...

<https://www.nature.com/articles/nrendo.2013.184>

Oct 08, 2013 · For example, sodium–glucose **cotransporter 2 (SGLT-2) inhibitors** act in the kidney to reduce glucose reabsorption thus decreasing plasma levels of glucose. 66 As yet, no clear-cut data are ...

### SLC5A2

Protein



The sodium/glucose cotransporter 2 (SGLT2) is a protein that in humans is encoded by the SLC5A2 (solute carrier family 5 (sodium/glucose cotransporter)) gene.

Wikipedia

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## Clinical adverse effects of sodium-glucose cotransporter 2 ...

<https://journals.lww.com/md-journal/Fulltext/2018/...>

atic **review** and meta-analysis, we will assess the clinical adverse **effects** of SGLT2 **inhibitors** in type 2 diabetes mellitus. Methods: This systemic **review** and meta-analysis described in this protocol will be...

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**Publish Year:** 2019

## Sodium-Glucose Cotransporter-2 (SGLT-2) Inhibitors ...

<https://www.cureus.com/articles/40926-sodium...> ▾

Oct 03, 2020 · Optimal blood glucose control helps reduce the development of the complications of type II diabetes mellitus (T2DM). T2DM patients usually are at increased **risk** of cardiovascular (CV) events an...

**Author:** Saba Aftab, Rishwanth Vetrivel Suresh, ...

**Publish Year:** 2020

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Feb 19, 2021 · Lower risk of death and cardiovascular events in patients with diabetes initiating glucagon-

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