

# Severe hyperchloremic metabolic acidosis with SGLT2 inhibitors in patients with urinary diversion

## INTRODUCTION

#### URINARY DIVERSION WITH AUTOLOGOUS **INTESTINAL SEGMENTS**



**Gold standard** in urinary tract diseases.



Most frequent **metabolic abnormality** is hyperchloremic metabolic acidosis, due to ammonium absorption alongside chloride gain and bicarbonate excretion in the bowel conduit, as well as volume depletion due to reduced sodium absorption in the gout.

### **SGLT2 INHIBITORS**

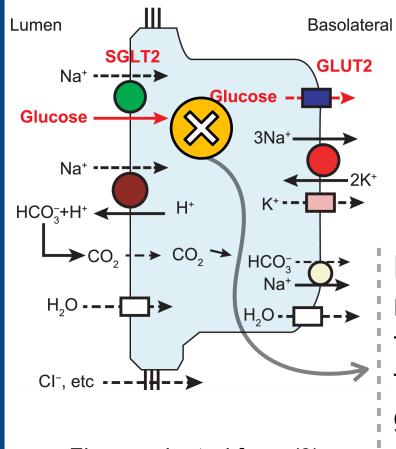


Figure adapted from (2).

- **\*** Antihyperglycemic agents;
- Recently revolutionized the paradigm of chronic kidney disease.

Block the SGLT2 proteins in the tubules and the reabsorption of filtered glucose, promoting a greater urinary glucose excretion.

## 

Correlation between the use of SGTL2 inhibitors and severe hyperchloremic metabolic acidosis in patients with bowel conduit.



Consultation of medical records.



RES
<b>1</b> 62-year-ol
10 months prior
Empaglifl (add on f 100
Pulm appo
V
Aggrav hyperchlo metab acido
~
Emergeno departmer
OBSERVA
Asyn
Norma
No m

Hospital de Vila Franca de Xira, Portugal

