**Literature Search**

This literature search was performed between May 30th and August 20th, 2024. Pub Med was searched for any date range for use of sodium-glucose cotransporter 2 inhibitor (SGLT2i) use in patients with congenital heart disease (CHD) with the following search strategies, including only articles in the English language.

((("Heart Defects, Congenital"[Mesh] OR "Heart Defects, Congenital" OR "Heart Abnormality" OR "Congenital Heart Defect" OR "Malformation Of Heart" OR "Heart Abnormalities" OR "Congenital Heart Disease" OR "Congenital Heart Diseases" OR "Congenital Heart Defects" OR "Adult Congenital Heart Disease" OR "Fontan Procedure"[Mesh] OR "Fontan Procedure" OR "Fontan" OR "Fontan Palliation" OR "Fontan Operation" OR "Fontan Circulation" OR "Fontan Circuit" OR "systemic right ventricle" OR "subaortic right ventricle" OR "Transposition of Great Vessels"[Mesh] OR "Transposition of Great Vessels" OR "Great Vessels Transposition" OR "Transposition of Great Arteries" OR "Great Arteries Transposition" OR "Hypoplastic Left Heart Syndrome"[Mesh] OR "Hypoplastic Left Heart Syndrome" OR "Left Heart Hypoplasia Syndrome" OR "Tricuspid Atresia"[Mesh] OR "Tricuspid Atresia" OR "Tricuspid Atresias" OR "Tricuspid Valve Atresia" OR "Tricuspid Valve Atresias"))) AND (("sodium glucose cotransporter 2 inhibitor" OR "sodium glucose co-transporter 2 inhibitor" OR "SGLT2 inhibitor" OR "Dapagliflozin" OR "Empagliflozin" OR "Canagliflozin"))

("sodium glucose cotransporter 2 inhibitor" OR "sodium glucose co-transporter 2 inhibitor" OR "SGLT2 inhibitor") AND “Fontan”

("sodium glucose cotransporter 2 inhibitor" OR "sodium glucose co-transporter 2 inhibitor" OR "SGLT2 inhibitor") AND “congenital heart disease”

("pediatric" OR "congenital heart disease" OR "CHD" OR "systemic right ventricle") AND ("sodium glucose cotransporter 2 inhibitor"[All Fields] OR ("sglt2"[All Fields] AND "inhibitor"[All Fields]) OR "Dapagliflozin"[All Fields] OR "Empagliflozin"[All Fields] OR "Canagliflozin"[All Fields]) 73 results, 3 relevant

The above search strategies yielded a total of 100 results. The first author then reviewed the individual abstracts and if necessary, the full text, to identify original research articles pertaining to IHM use in patients with CHD.

**Google search**

After review of the Pub Med articles, a Google search was performed to find additional cases which may not have been indexed to Pub Med. The following terms were used in combination: “SGLT2 inhibitor” OR “sodium glucose cotransporter 2 inhibitor” OR “sodium-glucose co-transporter 2 inhibitor” with any of the following: “CHD, congenital heart disease, adult congenital heart disease, pediatric.” This yielded 1 additional conference abstracts describing SGLT2i use in pediatric patients with CHD.

**Key Journal Search**

Individual journal websites **(Table S1**) were also searched for articles on “SGLT2 inhibitor” OR “sodium glucose co-transporter 2 inhibitor,” and the first author reviewed abstracts and full text if needed to determine if any additional articles were applicable. Journals chosen to review were those with prior published cases of STLG2i use with CHD, as well as journals with a focus on CHD. This yielded 1 additional case series describing SGLT2i use in pediatric patients with CHD.

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| **Table S1 – Individual Journal Websites Searched** |
| **Journal** | **Website** | **Online ISSN** |
| Heart | <https://heart.bmj.com/> | 1468-201X |
| World Journal for Pediatric and Congenital Heart Surgery | https://journals.sagepub.com/home/pch | 2150-136X |
| International Journal of Cardiology Congenital Heart Disease | <https://www.sciencedirect.com/journal/international-journal-of-cardiology-congenital-heart-disease> | 2666-6685 |
| International Journal of Cardiology | https://www.sciencedirect.com/journal/international-journal-of-cardiology | 1874-1754 |
| Journal of the American Heart Association | https://www.ahajournals.org/journal/jaha | 2047-9980 |
| Canadian Journal of Cardiology Pediatric and Congenital Heart Disease | https://www.cjcpc.ca | 2772-8129 |
| Congenital Heart Disease | <https://onlinelibrary.wiley.com/journal/17470803><https://www.techscience.com/journal/chd> | 1747-0803 |
| Pediatric Cardiology | https://link.springer.com/journal/246 | 1432-1971 |
| Annals of Pediatric Cardiology | https://journals.lww.com/AOPC/pages/default.aspx | 0974-5149 |