

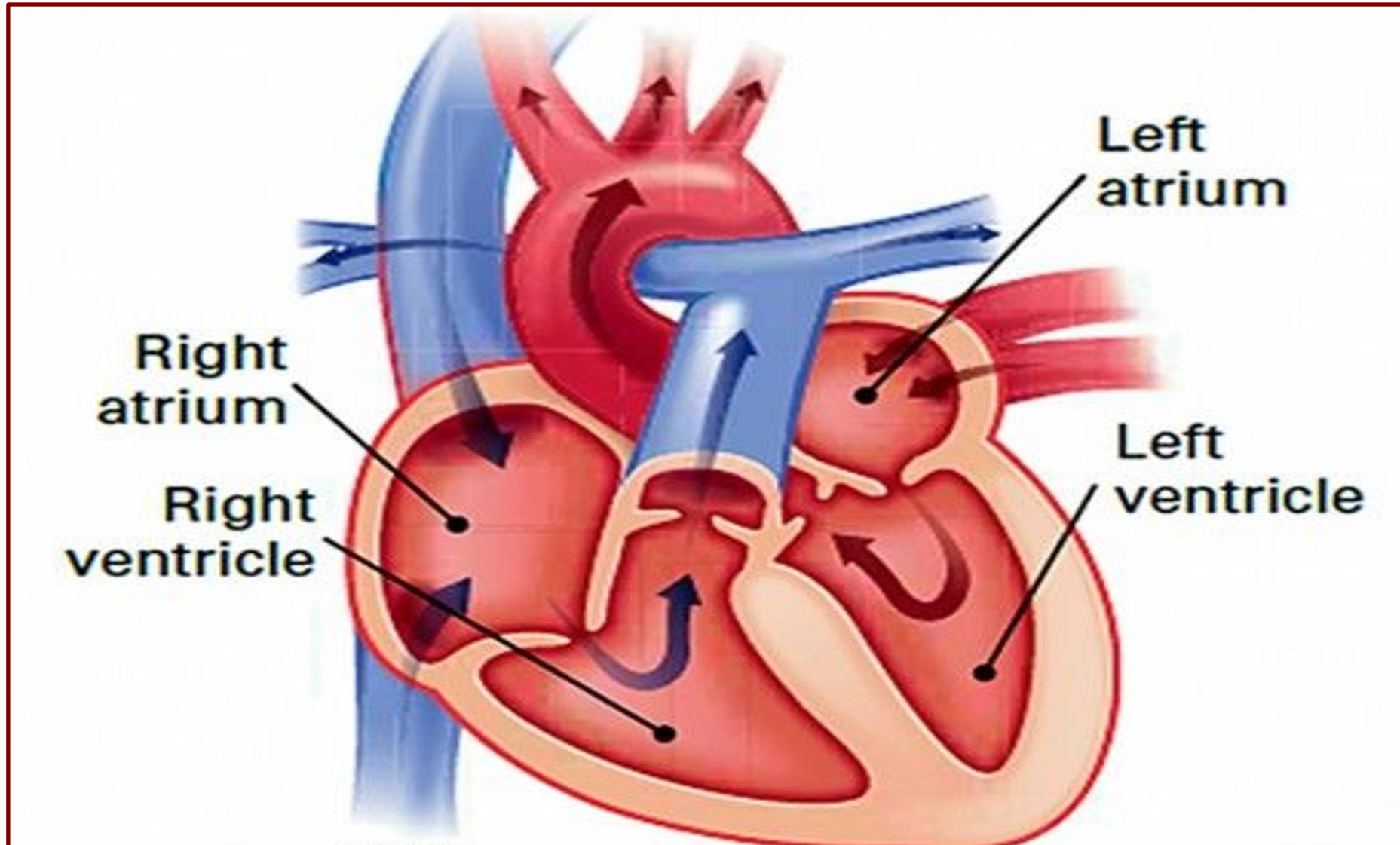


CANADIAN
FONTAN

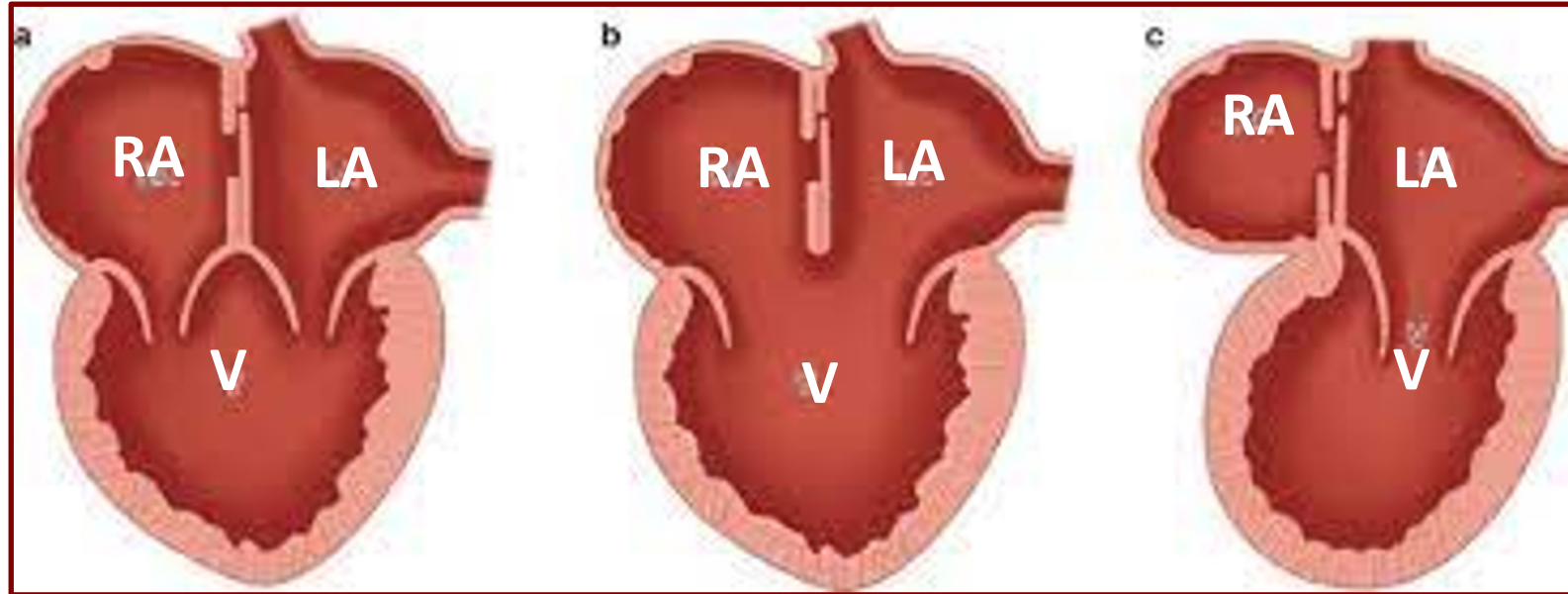
Understanding the Fontan Operation & Canadian Fontan Registry CANFON

**Dr. Jasmine Grewal MD, FRCPC
Professor, University of British Columbia
Director, Virani Provincial Adult Congenital Heart Program
Vancouver, B.C.**

“Normal” Heart



Univentricular Heart



- Tricuspid Atresia
- Hypoplastic left heart syndrome
- Unbalanced atrio-ventricular septal defect
- Double outlet right ventricle
- Double inlet left ventricle
- Pulmonary atresia

Univentricular Heart

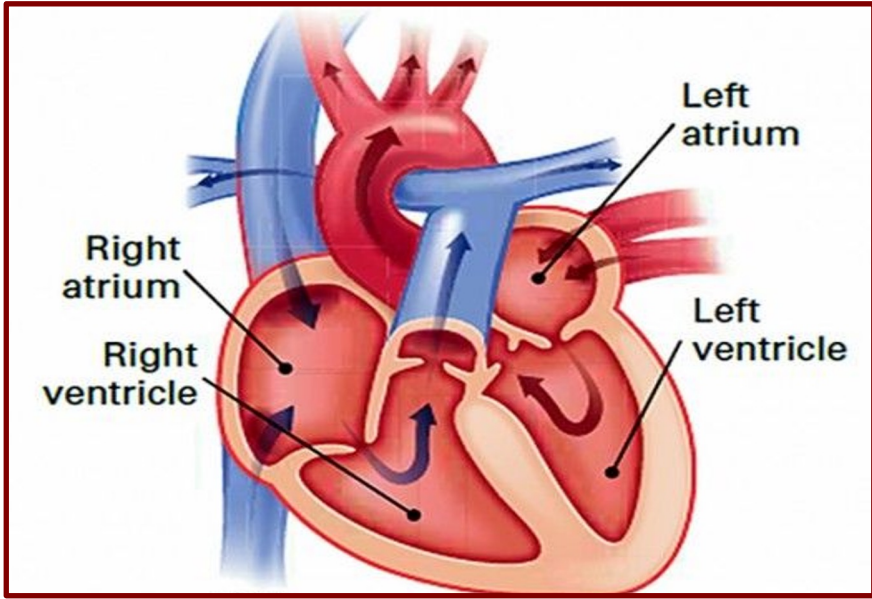
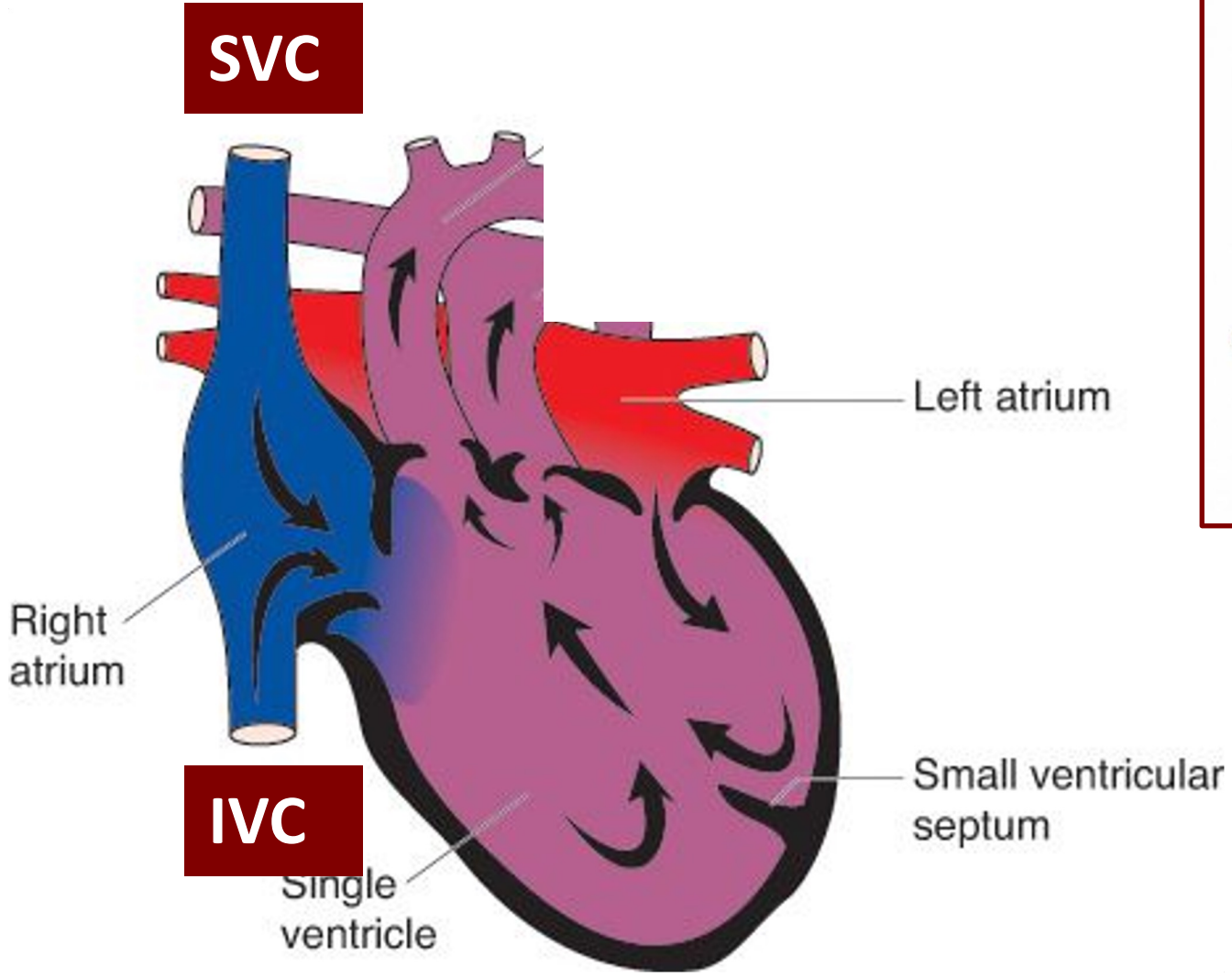
1 in every 3000 children born in North America

Similar prevalence to CYSTIC FIBROSIS (1/3600)

**Very poor prognosis with over 70% of individuals
dying by 16 years of age**

(if unrepaired)

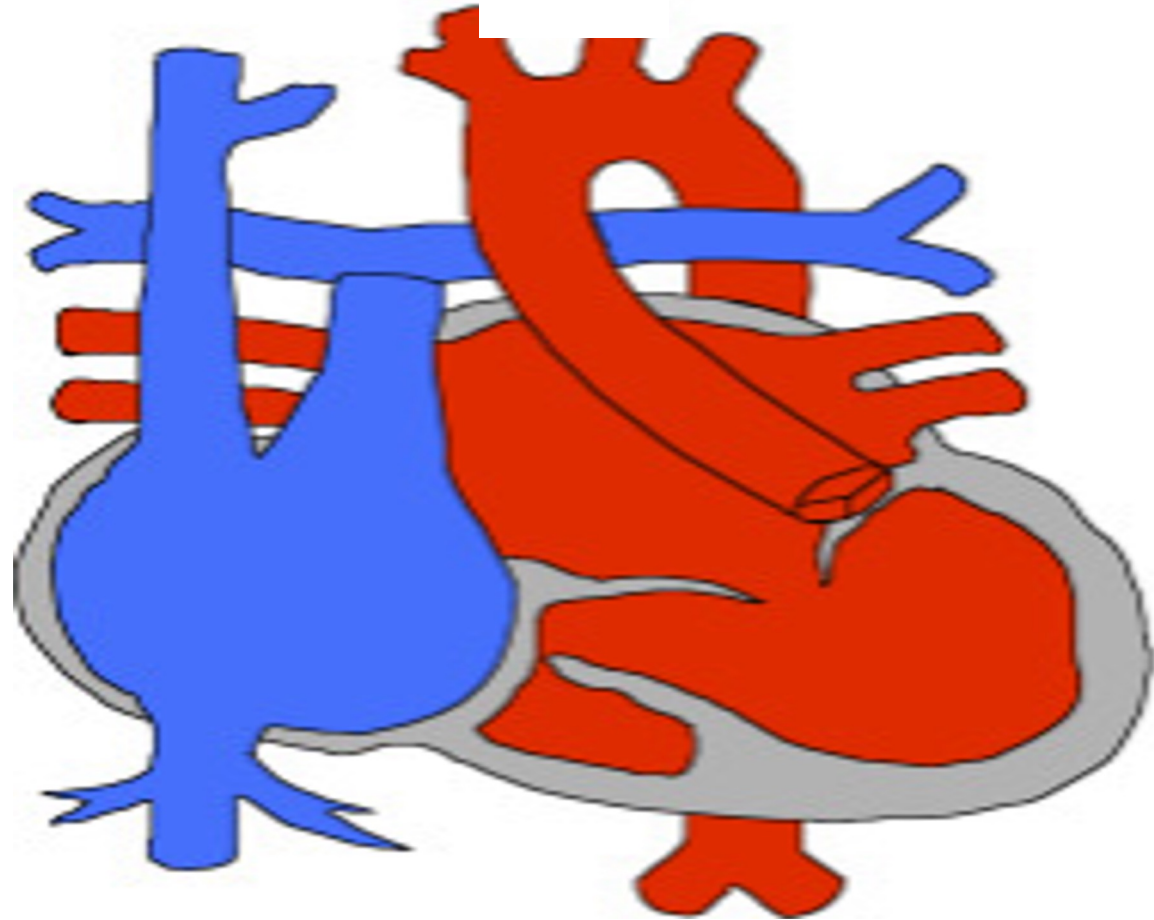
The Problem?



Surgical Progress



Fontan Operation – Early days



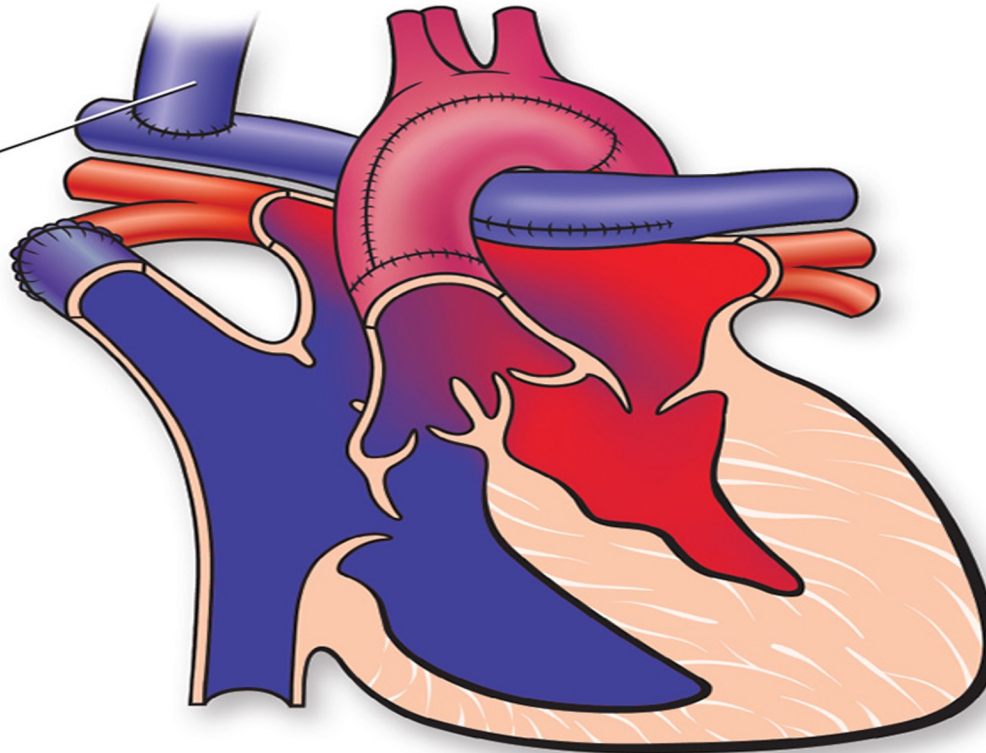
Atrio-pulmonary Fontan

Fontan Operation

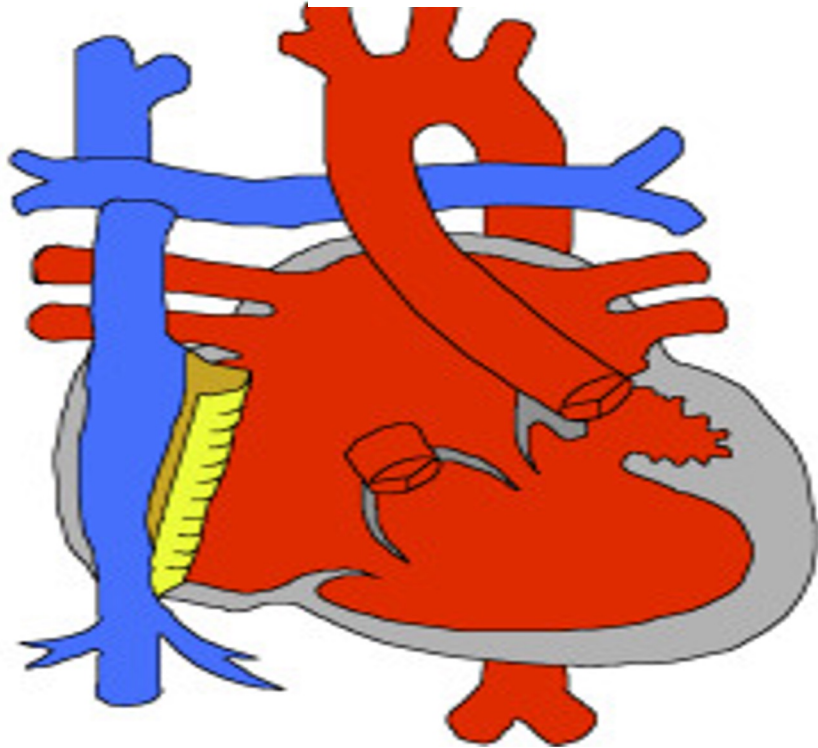
Bidirectional Glenn

Bidirectional Glenn

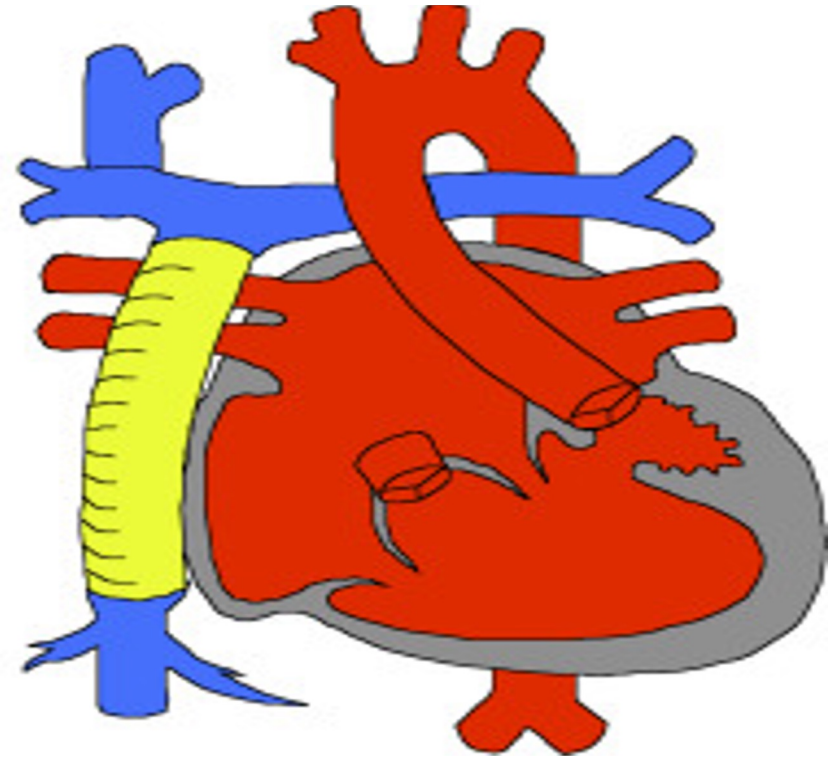
Superior
vena cava



Fontan Completion

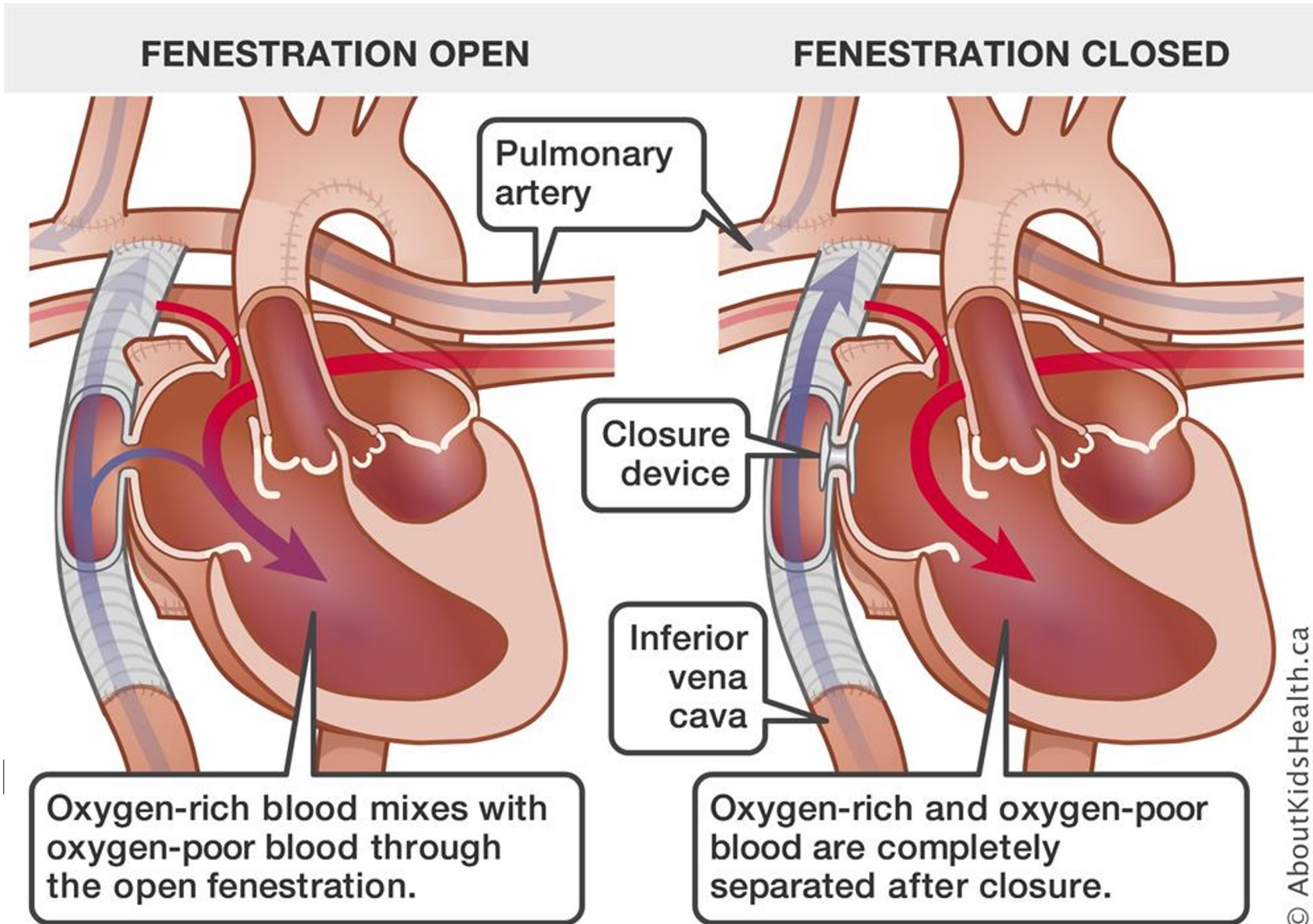


Lateral Tunnel Fontan



Extra-Cardiac Fontan

Fontan Fenestration



Mission

To create a comprehensive lifespan registry of Fontan patients living in Canada

Vision

To support Canadian and International research collaborations that improve the lives of Fontan patients



CANFON

Canadian Fontan Registry



CANFON – Central Coordination

St. Paul's Hospital, Vancouver, B.C.



Centre for
Cardiovascular Innovation
Centre d'Innovation
Cardiovasculaire



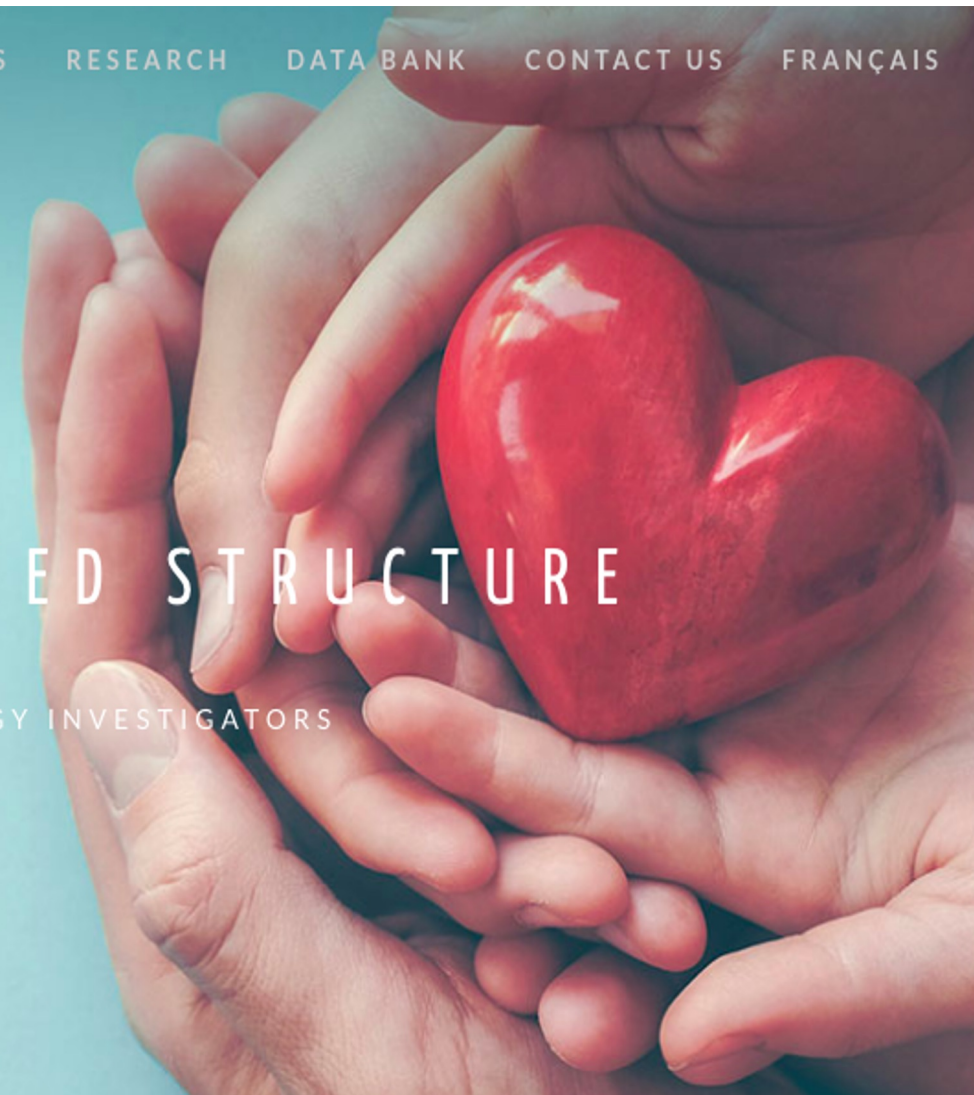
CANFON – Data house



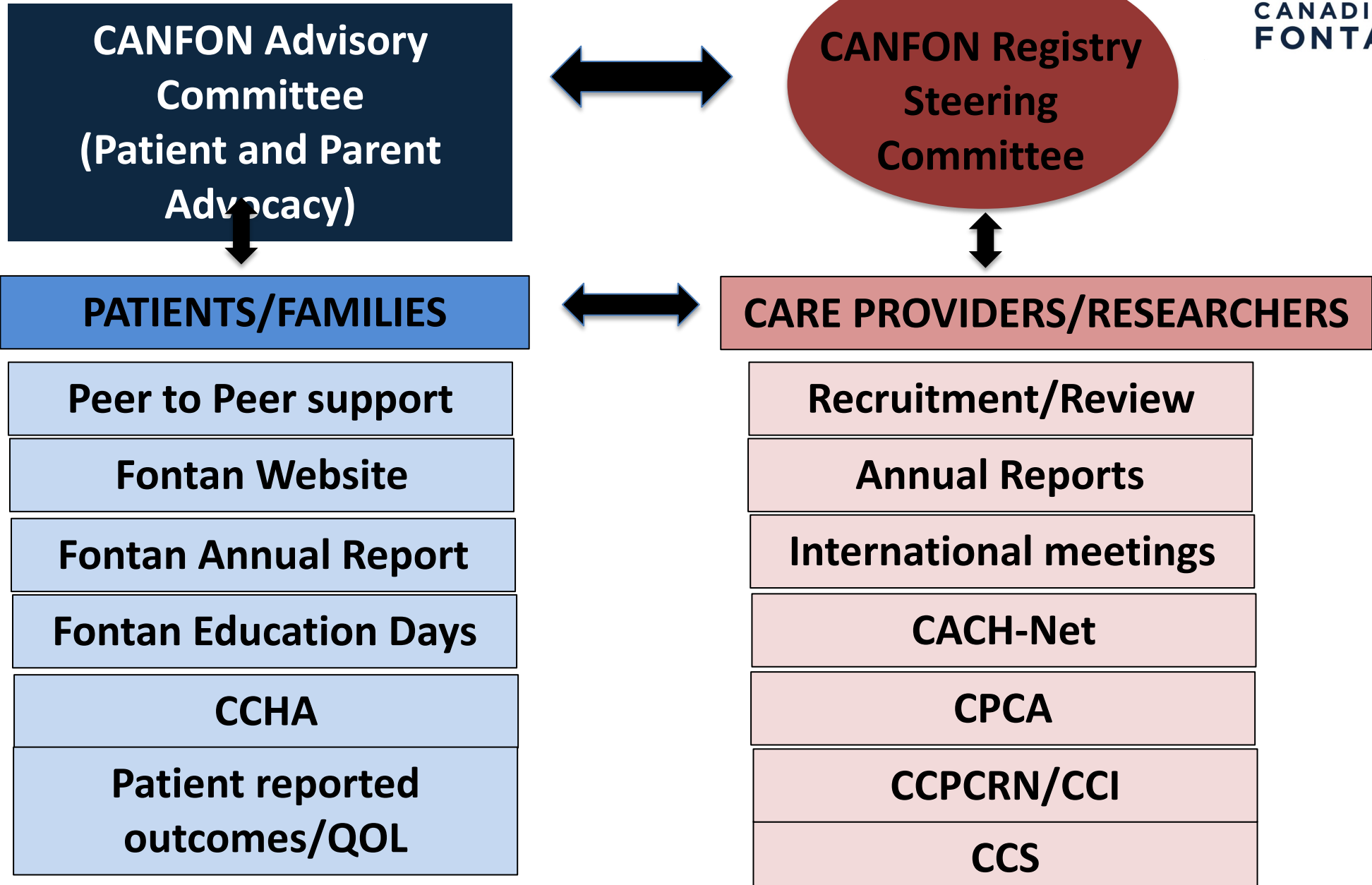
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A COMPREHENSIVE AND UNIFIED STRUCTURE

THAT SUPPORTS CANADIAN PEDIATRIC CARDIOLOGY INVESTIGATORS



CANFON



Thank you for your
time!