S.NO	Ref Term Code	Ref Term Description	Rationale/ Notes
1.	721009008	Heart defect and limb shortening syndrome	• This is a combination syndrome with a manifestation of congenital heart malformation (Reardon et al., 1990). • Also, the word, 'hear defect' is present in the term. • The parental relation draws to the term description of congenital heart disease with concept code 13213009.
2.	13213009	Congenital heart disease	• The term is self-explanatory and describes the anomalies of heart structure that occur before birth (Sun et al., 2015). • Congenital heart disease is reported among 500,000 adults in USA (Sun et al., 2015). • The child relations like congenital abnormality of cardiac connection (253272009) and congenital absence of heart structure (413905004) further explain the details of congenital heart diseases.
3.	363028003	Congenital anomaly of cardiovascular structure of trunk (disorder)	• Cardiovascular trunk is responsible for supplying blood to the system. Defects in its structure result in malfunctioning of the heart and body (Niwas et al., 2001). • This term is the child relation to the parent term congenital anomaly of cardiovascular system with concept code 9904008 justifying the described term.
4.	726704006	Cataract, congenital heart disease, neural tube defect syndrome	• This is a multiple congenital anomaly syndrome with characteristic ventricular septal heart defect. • According to Li et al. (2021) congenital heart defect and congenital cataract are found to be cooccuring. • Congenital heart disease (13213009) is the parent relation to this term which includes abnormality in the cardiovascular system supporting the rationale.

5.	78485007	Acyanotic congenital heart disease (disorder)	• Acyanotic heart defect implies a hole in the heart wall which affects normal flow of blood. • According to Mahoney (1993) acyanotic congenital heart disease is associated with four common congenital heart lesions that cause communication between systemic and pulmonary circulation. • The parent term associated with this defect is congenital heart disease (13213009).
6.	448007000	Atrioventricular septal defect associated with tetralogy of Fallot (disorder)	• Tetralogy of Fallot is a congenital heart disease with four major defects. One of it is atrioventricular septal defect (Alhawri et al., 2019). • This term has other relation in terms of SCT associated morphology to congenital septal defect with concept code 396351009. • Atrioventricular septal defect associated with tetralogy of Fallot is a child relation to the parent concept of congenital heart disease (13213009).
7.	717943008	Brain malformation, congenital heart disease, postaxial polydactyly syndrome (disorder)	• This is a multi-syndrome anomaly which is associated with congenital heart disease. • Abnormalities are associated with heart morphology and cardiovascular system as well. • Congenital heart disease (13213009) forms the parent relation of the described term.
8.	783738002	Heart defect, tongue hamartoma, polysyndactyly syndrome	• This syndrome is an example of multi congenital anomalies which includes characteristic congenital heart defects such as coarctation of aorta and subaortic stenosis. • The other relations like congenital abnormal fusion (37764001) and heart structure (80891009) relate the term closely to the congenital heart defects.

9.	204395001	Congenital aneurysm of heart	• Aneurysm refers to a bulge in the blood vessel. So, aneurysm of heart includes a bulge in any of the heart vessel. As, this condition is seen at the time of birth, this is included in the given term. • The term has many relations rooting to the congenital heart abnormalities. • The parent relation, congenital anomaly of cardiac chamber (15964981000119104) and child relations like congenital interventricular septum aneurysm (763747002) support the chosen term.
10.	4374004	Congenital anomaly of tricuspid valve	• Tricuspid valve separates the two right hear chambers. Defect in this valve prevents the blood flow from right atrium to right ventricle reducing the functionality of heart chambers. So, this condition describes a congenital heart defect. • The parent relation congenital anomaly of heart valve (70320004) and child relations detailing the structure abnormalities of tricuspid valve like congenital abnormal shape of tricuspid valve (92944008) justifies the rationale of selecting the term.
11.	763747002	Congenital interventricular septum aneurysm	• Interventricular septum is responsible for the flow of blood across the ventricles. Defect in their septum along with associated aneurysm in their wall gives rise to untreatable congenital heart anomaly (Carr et al., 2008). • This anomaly is related to congenital abnormality of cardiac ventricle (773139006) and congenital aneurysm of heart (204395001) with parent relationship. • Fetal echocardiography is used for the diagnosis at 19 weeks of gestation as the condition might require a transplantation at later stages (Carr et al., 2008).

12.	773139006	Congenital abnormality of cardiac ventricle	• Ventricles are responsible to pump blood out of the heart. This defect impedes the heart to pump blood into the body leading to malfunctioning of heart. • This abnormality is the child relation to the term congenital anomaly of cardiac chamber (15964981000119104). Further the child relations like congenital anomaly of left ventricle (871660009), congenital hypertrophy of cardiac ventricle (766976003) of the described term details the structural defects of ventricle. All these abnormalities constitute congenital heart anomalies. • Congenital left ventricular aneurysms are rare cardiac abnormalities (Ikonomidis et al., 2010).
13.	15964981000119104	Congenital anomaly of cardiac chamber	• Cardiac chamber contains two atria and two ventricles. Defects in their structure and functionality give rise to congenital anomaly of cardiac chamber. • Multiple child relations to this term like congenital abnormality of ventricles and ventricular septum with term code 253511007 and congenital cardiac diverticulum with code 718181001 support the described term.
14.	788533006	Congenital abnormality of atrium	• The structural or functional abnormality of atrium results in reduced functioning of heart as the blood from the body doesn't get pumped through the heart. • Congenital abnormality of right atrium (448064005) and congenital abnormality of left atrium (447824005) constitute the child relations to the term described and provide a proof that the term is an integral part of congenital heart disease.
15.	204339005	Congenital pulmonary valve abnormality	• Pulmonary valve is responsible for the flow of blood from heart to lungs. Any abnormality in this valve disrupts this functionality causing the defect in heart.

			• Pulmonary valve stenosis develops before birth resulting from a heart problem (Mayo Clinic, 2021). • The parent relation roots to congenital anomaly of heart valve (70320004) with multiple child relations detailing the abnormalities in shape of pulmonary valve. This draws back to the congenital heart defects.

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