## **Supplementary Table S2. Complete search strategies for eight databases (search date: July 22, 2025)**

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| --- | --- | --- |
| **PubMed** | | |
| Number | Search Strategy | Number of Records |
| #1 | (Congenital heart disease [Title/Abstract]) OR (Defect, Congenital Heart [Title/Abstract]) OR (Abnormality, Heart [Title/Abstract] OR (Heart Abnormality [Title/Abstract]) OR (Congenital Heart Defect [Title/Abstract]) OR (Congenital Heart Defects [Title/Abstract]) OR (Defects, Congenital Heart [Title/Abstract]) OR (Heart Abnormalities [Title/Abstract]) OR (Heart Defect, Congenital [Title/Abstract]) OR (Congenital Heart Diseases [Title/Abstract]) OR (Disease, Congenital Heart [Title/Abstract]) OR (Heart Disease, Congenital [Title/Abstract]) OR (Heart, Malformation Of [Title/Abstract]) OR (Malformation Of Heart [Title/Abstract]) | 53,683 |
| #2 | Four-Dimensional Ultrasound[Title/Abstract] OR 4D Ultrasound [Title/ Abstract] | 462 |
| #3 | #1 AND #2 | **32** |
| **Embase** | | |
| #1 | 'Congenital Heart Diseases' OR 'Heart Defect, Congenital' OR 'Defect, Congenital Heart' OR 'Congenital Heart Disease' OR 'Congenital Heart Diseases' OR 'Abnormality, Heart' OR 'Heart Abnormality' OR 'Heart Abnormalities' OR 'Congenital Heart Defect' OR 'Congenital Heart Defects' OR 'Disease, Congenital Heart' OR 'Heart Disease, Congenital' OR 'Heart, Malformation Of ' OR 'Malformation Of Heart' OR 'Malformation Of Hearts' | 264,187 |
| #2 | Four-Dimensional Ultrasound OR 4D Ultrasound | 895 |
| #3 | #1 AND #2 | **238** |
| **Web of Science** |  |  |
| #1 | TS=(Congenital heart disease) OR TS=(Defect, Congenital Heart) OR TS=(Abnormality, Heart) OR TS=(Heart Abnormality) OR TS=(Congenital Heart Defect) OR TS=(Congenital Heart Defects) OR TS=(Defects, Congenital Heart) OR TS=(Heart Abnormalities) OR TS=(Heart Defect, Congenital) OR TS=(Congenital Heart Diseases) OR TS=(Disease, Congenital Heart) OR TS=(Heart Disease, Congenital) OR TS=(Heart, Malformation Of) OR TS=(Malformation Of Heart) OR TS=(Malformation Of Hearts) | 367,040 |
| #2 | TS= (Four-Dimensional Ultrasound) OR TS= (4D Ultrasound) | 3,041 |
| #3 | #1 AND #2 | **293** |
| **Scopus** | | |
| #1 | TITLE-ABS-KEY(Congenital Heart Disease) OR TITLE-ABS-KEY(Defect, Congenital Heart) OR TITLE-ABS-KEY(Abnormality, Heart) OR TITLE-ABS-KEY(Heart Abnormality) OR TITLE-ABS-KEY(Congenital Heart Defect) OR TITLE-ABS-KEY(Congenital Heart Defects) OR TITLE-ABS-KEY(Defects, Congenital Heart) OR TITLE-ABS-KEY(Heart Abnormalities) OR TITLE-ABS-KEY(Heart Defect, Congenital) OR TITLE-ABS-KEY(Congenital Heart Diseases) OR TITLE-ABS-KEY(Disease, Congenital Heart) OR TITLE-ABS-KEY(Heart Disease, Congenital) OR TITLE-ABS-KEY(Heart, Malformation Of) OR TITLE-ABS-KEY(Malformation Of Heart) OR TITLE-ABS-KEY(Malformation Of Hearts) | 225,172 |
| #2 | TITLE-ABS-KEY(Four-Dimensional Ultrasound) OR TITLE-ABS-KEY(4D Ultrasound) | 2,367 |
| #3 | #1 AND #2 | **257** |
| **CNKI** | SU= Four-Dimensional Ultrasound AND SU= Congenital Heart Disease | **177** |
| **VIP** | M= Four-Dimensional Ultrasound AND M= Congenital Heart Disease | **70** |
| **WanFang** | Theme:( Four-Dimensional Ultrasound) and Theme:( Congenital Heart Disease) Document type restriction: Journal article | **177** |
| **CBM** | " Four-Dimensional Ultrasound "[ Chinese Title] AND " Congenital Heart Disease "[ Chinese Title] | **45** |
| **Total Number of Records** | | **1289** |