Appendix S1. Search strategy.

Search strategy (MESH terms and keywords)
"spinal dysraphism" [MeSH] OR "arnold-chiari malformation" [MeSH] OR "meningomyelocele" [MeSH] OR spinal dysraphism OR spina bifida OR Arnold-chiari malformation OR meningomyelocele AND "ultrasonography, prenatal/" [MeSH] OR ultrasound OR sonography OR ultrasonography OR (2D or 3D or 4D) adj2 ultrasound OR (2D or 3D or 4D) adj2 sonography OR (2D or 3D or 4D) adj2 ultrasonography AND "pregnancy, high-risk" [MeSH] OR "pregnancy trimester, second/ or pregnancy trimester, third/" [MeSH] OR "fetus" [MeSH] OR "Prenatal care" [MeSH] or pregnan* adj4 trimester OR f?etal OR f?etus

Appendix S2. Characteristics of included studies and results.

Characteristics of included studies
Participant characteristics - Maternal age - Gestational age at the time of evaluation - Associated anomalies or chromosomal abnormalities - Diagnostic confirmation (availability of postnatal examination or post-termination of pregnancy autopsy)
Technical aspects - Ultrasound machine - Ultrasound probe - Levels of experience and numbers of sonographers
Study methodology - First author name - Title of the paper - Year of publication - Study design (cohort/cross-sectional studies/randomised control trial) - Patient enrolment (selective or non-selective)
Study results - Definition of detected intra-cranial findings - Total number of examination and crude number of each intra-cranial finding