**Supplementary Material 2**: **Excluded studies and reason for exclusion**

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| **Author** | **Year** | **Reason for exclusion** |
| Leibovitz | 2013 | No data on the outcomes analysed in this review |
| Leibovitz | 2013 | No data on the outcomes analysed in this review |
| Boddaert | 2013 | It was no possible to extract the data for the cases diagnosed prenatally, authors contacted, no reply |
| Brusius | 2013 | Only symptomatic patients referred to surgery included in this series |
| Garcia-Posada | 2013 | No data on the rate of chromosomal abnormalities in fetuses with isolated malformations. Therefore we could not assess the other outcomes explored in the current systematic review |
| Hamisa | 2013 | No data on the outcomes analysed in this review |
| Garcia-Flores | 2013 | No data on isolated posterior fossa anomalies provided (the included fetuses did not have karyotype analysis) and no data on the other outcomes explored in this systematic review were reported |
| Massoud | 2013 | No data on the posterior fossa anomalies explored in the current systematic review |
| Quarello | 2012 | No data on the posterior fossa anomalies explored in the current systematic review |
| Yinon | 2013 | No differentiation between isolated and not isolated cases, nor among the various posterior fossa anomalies |
| Ghi | 2012 | No data on the outcomes explored in this systematic review reported |
| Griffiths | 2012 | No data on the outcomes observed in this review reported; no differentiation between isolated and not isolated cases, not among the various posterior fossa anomalies |
| Kul | 2012 | No data on the outcomes observed in this review reported |
| Rizzo | 2012 | Only data on normal fetuses reported |
| Volpe | 2012 | No data on the outcomes explored in this systematic review reported |
| Wellesley | 2012 | No data on the various posterior fossa anomalies provided |
| Lachmann | 2012 | No information about the presence of associated structural anomalies were reported so it was not possible to state whether the 4 cases included in this series were isolated or not. Additionally, there were no data on the outcomes reported in the current review |
| Gonzales | 2012 | Article not in English language |
| Liao | 2012 | Only cases with additional structural anomalies reported in this series |
| Dhouib | 2011 | No data on isolated posterior fossa anomalies could be extracted |
| Egle | 2011 | Posterior fossa abnormalities not clearly defined |
| Papastefanou | 2011 | No data on the outcomes reported in this review |
| Ghavami | 2011 | No data on the outcomes explored in this review |
| Ozkan | 2011 | No information on the 5 cases of DWM included in this series could be extracted. Authors contacted, no reply |
| Cornips | 2010 | No data on prenatal diagnosis reported |
| Peruzzi | 2010 | No cases of posterior fossa included; nor data on the outcomes explored in this review reported |
| Wong | 2010 | No data on the outcomes explored in this systematic review |
| Brennan | 2010 | Review on post-natal diagnosis of posterior fossa abnormalities |
| Rouleau | 2010 | Only cases undergoing pregnancy termination were included in this series |
| Hosny | 2010 | No data on the outcomes analysed in this systematic review |
| Bolduc | 2009 | Systematic review, no original data reported |
| Kapur | 2009 | Posterior fossa anomalies not clearly defined; autopsy based study |
| Tepper | 2009 | No data on the outcomes analysed in this systematic  review |
| Zalel | 2009 | Only normal fetuses included, no data on the outcomes explored in this systematic review |
| Tang | 2009 | No information on the presence of extra cranial anomalies or abnormal karyotype |
| Alkan | 2009 | No data on the outcomes explored in this systematic review |
| Goetzinger | 2008 | No data on the outcomes explored in this systematic review, Dandy Walker malformation not clearly defined. |
| Salihu | 2008 | No differentiation between pre and postnatal diagnosis reported. It was not possible to extract data from cases diagnosed pre-natally |
| Limperopulous | 2008 | No data for the outcomes explored in this systematic review could be extrapolated from this series |
| Hadzagic-Catibusic | 2008 | Only cases admitted to the hospital reported in this series |
| Akgun | 2007 | Autopsy-based study; no data on the outcomes observed in this review |
| Harper | 2007 | No data for isolated cases of Dandy Walker malformation could be extracted from this series |
| Oh | 2007 | Teaching review, no data on the outcomes explored in this systematic review could be extracted |
| Robinson | 2007 | Review, no original data provided |
| Russo | 2007 | Autopsy-based study |
| Koktener | 2007 | Only normal fetuses included in this study |
| Sohn | 2007 | No data reported on the outcomes observed in this review |
| Tilea | 2007 | Autopsy-based study |
| Zimmer | 2007 | No data on prenatal diagnosis reported. |
| Tilea | 2006 | No data on the outcomes analysed in this review |
| Paladini | 2006 | No data on the outcomes analysed in this systematic review |
| Phillips | 2006 | Autopsy-based study |
| Pilu | 2006 | Cases included in the papers by Gandolfi-Colleoni et al |
| Limperopulous | 2006 | All the cases (except 2) were included in a more recent series (Tarui et al) |
| Vinals | 2005 | Only normal fetuses included, no data on the outcomes explored in this systematic review |
| Nizard | 2005 | No cases of isolated posterior fossa anomalies included in this series (1 case of isolated Dandy Walker variant excluded) |
| D’Addario | 2005 | No data on the outcomes observed in this systematic review reported |
| Blaicher | 2005 | Less than 3 cases of posterior fossa anomalies included; no data reported on the outcomes explored in the current systematic review |
| Frates | 2004 | No data reported on the outcomes observed in this systematic review; no differentiation between isolated and not isolated cases |
| Whitby | 2004 | No data reported on the outcomes observed in this systematic review |
| Claude | 2004 | No data reported on the outcomes observed in this systematic review |
| Klein | 2003 | No possible to extract the data from cases diagnosed pre-natally; authors contacted, no reply |
| Pierre-Kahn | 2003 | Review, no original data provided |
| Raybaud | 2003 | No data reported on the outcomes observed in this systematic review; no differentiation between isolated and not isolated case |
| Twickler | 2003 | No data reported on the outcomes observed in this systematic review; no differentiation between isolated and not isolated cases, nor on the various posterior fossa anomalies |
| Levine | 2003 | No data reported on the outcomes observed in this systematic review; no differentiation between isolated and not isolated cases, nor on the various posterior fossa anomalies |
| Ben-Ami | 2002 | Only data on normal fetuses reported |
| Zalel | 2002 | No data reported on the outcomes analysed in this systematic review |
| Malinger | 2001 | Only data on normal fetuses reported |
| Whitby | 2001 | No data reported on the outcomes observed in this systematic review |
| Kumar | 2001 | Only cases presented post-natally with hydrocephalus and undergoing surgery were included in this series |
| Carrol | 2000 | Autopsy-based study. |
| Hata | 2000 | No data reported on the outcomes observed in this systematic review; no differentiation between isolated and not isolated cases, nor on the various posterior fossa anomaliesLess than 3 cases of posterior fossa abnormalities |
| Simon | 2000 | No data reported on the outcomes observed in this systematic review; no differentiation between isolated and not isolated cases, nor on the various posterior fossa anomalies |
| Stazzone | 2000 | Only data on normal fetuses reported, no data on the outcomes analysed in this review |
| Calabrò | 2000 | Only two cases of postnatal diagnosis of Blake’s Pouch cyst reported |

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