## Supplementary Table 2: Confidence rating: Grade assessment of body of evidence

| Outcomes (severity of ID) | Number of studies | Initial risk of bias | Risk of bias | Indirectness | Imprecision | Publication bias | Large magnitude of association | Dos response | Residual confounding | Consistency | Certainty of evidence (GRADE) | References |
|---------------------------|-------------------|----------------------|--------------|--------------|-------------|-----------------|-------------------------------|-------------|----------------------|------------|-----------------------------|------------|
| Male sex (mild,severe,any) | 6                  | Moderate             | Not likely   | Not likely   | Not likely  | Not likely      | No upgrade                  | N/A         | No upgrade            | Upgrade    | ☎️◯◯◯                  | Croen (2001), Louhiala (1995), Drews (1995), Langridge (2013), Oswald (2005), Zheng (2012) |
| Preterm birth (any)       | 3                  | Moderate             | Not likely   | Not likely   | Not likely  | Not likely      | Upgrade                     | N/A         | No upgrade            | No upgrade | ☎️◯◯◯                  | Bilder (2013), Schieve (2015), Heuvelman (2018) |
| Low birthweight (mild)    | 3                  | Moderate             | Not likely   | Not likely   | Not likely  | Not likely      | Upgrade                     | N/A         | No upgrade            | Upgrade    | ☎️◯◯◯                  | Croen (2001), McDermott (1993), Mervis (1995) |
| Maternal age >35 years (mild-moderate,severe,any) | 3                  | Moderate             | Not likely   | Not likely   | Not likely  | Not likely      | No upgrade                  | N/A         | No upgrade            | No upgrade | ☎️◯◯◯                  | Camp (1998), Chapman (2002), Decoufle (1995), Drews (1995) |
| Maternal age <20 years (mild-moderate,severe,any) | 5                  | Moderate             | Not likely   | Not likely   | Serious     | Not likely      | No upgrade                  | N/A         | No upgrade            | Upgrade    | ☎️◯◯◯                  | Drews (1995), Emerson (2012), Heikura (2008), Leonard (2011), Louhiala (1995) |
| Paternal epilepsy (mild,severe) | 3                  | Moderate             | Not likely   | Not likely   | Not likely  | Not likely      | No upgrade                  | N/A         | No upgrade            | Upgrade    | ☎️◯◯◯                  | Chapman (2002), Leonard (2011), Williams (1999) |
| Paternal epilepsy (any)   | 1                  | Moderate             | Not likely   | Not likely   | Not likely  | Not likely      | No upgrade                  | N/A         | No upgrade            | No upgrade | ☎️◯◯◯                  | Leonard (2011) |
| Maternal PTE (any)        | 1                  | Moderate             | Not likely   | Not likely   | Not likely  | Not likely      | No upgrade                  | N/A         | No upgrade            | No upgrade | ☎️◯◯◯                  | Griffith (2011) |
| Maternal age >39 years (mild-moderate,severe,any) | 5                  | Moderate             | Not likely   | Not likely   | Serious     | Not likely      | No upgrade                  | N/A         | No upgrade            | No upgrade | ☎️◯◯◯                  | Langridge (2013) |
| Maternal trichomoniasis (any) | 1                  | Moderate             | Not likely   | Not likely   | Not likely  | Not likely      | No upgrade                  | N/A         | No upgrade            | No upgrade | ☎️◯◯◯                  | Mann (2009) |
| Maternal mental illness (any) | 2                  | Moderate             | Not likely   | Not likely   | Not likely  | Not likely      | No upgrade                  | N/A         | No upgrade            | No upgrade | ☎️◯◯◯                  | Di Prinio (2018), Fairthorne (2015) |
| Maternal age >35 years (mild-moderate,severe,any) | 4                  | Moderate             | Not likely   | Not likely   | Serious     | Not likely      | No upgrade                  | N/A         | No upgrade            | Upgrade    | ☎️◯◯◯                  | Drews (1995), Croen (2001), Zheng (2012) and Williams (1999) |
| Marital status (mild-moderate) | 1                  | Moderate             | Not likely   | Not likely   | Not likely  | Serious         | Not likely      | No upgrade                  | N/A         | No upgrade            | Upgrade    | ☎️◯◯◯                  | Zheng (2012) |
| Maternal smoking (any)    | 1                  | Moderate             | Not likely   | Not likely   | Not likely  | Not likely      | No upgrade                  | N/A         | No upgrade            | No upgrade | ☎️◯◯◯                  | Leonard (2001) |
| Maternal diabetes (any,mild-moderate) | 3                  | Moderate             | Not likely   | Not likely   | Serious     | Not likely      | No upgrade                  | N/A         | No upgrade            | No upgrade | ☎️◯◯◯                  | Croen (2001), Drews (1995), Leonard (2011), Heikura (2008) |
| Maternal UTI (any,mild-moderate) | 3                  | Moderate             | Not likely   | Not likely   | Not likely  | Not likely      | No upgrade                  | N/A         | No upgrade            | Upgrade    | ☎️◯◯◯                  | Langridge (2013), McDermott (2000) and McDermott (2001) |
| Maternal infections (any) | 3                  | Moderate             | Not likely   | Not likely   | Not likely  | Not likely      | No upgrade                  | N/A         | No upgrade            | No upgrade | ☎️◯◯◯                  | Fairthorne (2015), Morgan (2012), Wang (2016) |
| Maternal alcohol use (any) | 1                  | Moderate             | Not likely   | Not likely   | Serious     | Not likely      | No upgrade                  | N/A         | No upgrade            | No upgrade | ☎️◯◯◯                  | O’Leary (2013) |
| Pregnancy hypertension (any,mild-moderate) | 2                  | Moderate             | Not likely   | Serious     | Not likely  | Not likely      | No upgrade                  | N/A         | No upgrade            | No upgrade | ☎️◯◯◯                  | Langridge (2013), Salonen (1984) |
| Multiple birth (mild,any) | 2                  | Moderate             | Not likely   | Serious     | Not likely  | Not likely      | No upgrade                  | N/A         | No upgrade            | No upgrade | ☎️◯◯◯                  | Croen (2001), Louhiala (1995) |
| Maternal anaemia (mild,severe) | 2                  | Moderate             | Not likely   | Serious     | Not likely  | Not likely      | No upgrade                  | N/A         | No upgrade            | No upgrade | ☎️◯◯◯                  | Hurtado (1999), Leonard (2006) |