**S5 Table. Primary outcome: severe adverse perinatal outcome, perinatal mortality and caesarean delivery per subgroup in the population included in the IPD-MA.**

| Variable                                           | Induction group | Expectant management group | Relative Risk (95% Confidence Interval) | p-value | Risk difference per 10,000 (95% Confidence Interval) | Interaction p-value |
|----------------------------------------------------|----------------|---------------------------|-----------------------------------------|---------|---------------------------------------------------|---------------------|
| **Severe adverse perinatal outcome**               |                |                           |                                         |         |                                                   |                     |
| Parity                                             |                |                           |                                         |         |                                                   | 0.01                |
| Nulliparous                                        | 4/1,219 (0.3)  | 20/1,264 (1.6)            | 0.20 (0.07; 0.60)                      | 0.004   | -127 (-204; -50)                                  |                     |
| Multiparous                                        | 6/1,062 (0.6)  | 3/1,016 (0.3)             | 1.93 (0.48; 7.72)                      | 0.35    | 27 (-29; 84)                                     |                     |
| Maternal age (Years)                               |                |                           |                                         |         |                                                   | 0.23                |
| <35 years                                          | 8/1,802 (0.4)  | 14/1,849 (0.8)            | 0.59 (0.25; 1.39)                      | 0.23    | -31 (-82; 19)                                    |                     |
| ≥35 years                                          | 2/479 (0.4)    | 9/431 (2.1)               | 0.20 (0.04; 0.93)                      | 0.04    | -166 (-308; -25)                                 |                     |
| Body mass index (Kg/m²)                            |                |                           |                                         |         |                                                   | 0.25                |
| <30                                                | 8/1,906 (0.4)  | 19/1,852 (1.0)            | 0.32 (0.13; 0.81)                      | 0.02    | -66 (-117; -15)                                  |                     |
| ≥30                                                | 3/246 (1.2)    | 4/301 (1.3)               | 0.91 (0.21; 4.02)                      | 0.90    | -12 (-202; 177)                                  |                     |
| Fetal sex                                          |                |                           |                                         |         |                                                   | 0.10                |
| Boy                                                | 5/1,228 (0.4)  | 18/1,194 (1.5)            | 0.27 (0.10; 0.72)                      | 0.01    | -110 (-187; -33)                                 |                     |
| Girl                                               | 5/1,053 (0.5)  | 5/1,086 (0.5)             | 1.03 (0.30; 3.56)                      | 0.96    | 2 (-56; 59)                                     |                     |
| Parity                                             |                |                           |                                         |         |                                                   | NE                  |
| Nulliparous                                        | 0/1,219 (0.0)  | 7/1,264 (0.6)             | 0.14 (0.03; 0.60)                      | 0.01    | -56 (-98; -15)                                  |                     |
| Multiparous                                        | 1/1,062 (0.1)  | 1/1,016 (0.1)             | 0.88 (0.05; 14.17)                     | 0.93    | -1 (-28; 25)                                    |                     |
| Maternal age (Years)                               |                |                           |                                         |         |                                                   | NE                  |
| <35 years                                          | 1/1,802 (0.1)  | 4/1,849 (0.2)             | 0.31 (0.05; 1.78)                      | 0.19    | -16 (-40; 8)                                    |                     |
| ≥35 years                                          | 0/479 (0.0)    | 4/431 (0.9)               | 0.12 (0.02; 0.87)                      | 0.04    | -93 (-178; -7)                                  |                     |
| Body mass index (Kg/m²)                            |                |                           |                                         |         |                                                   | NE                  |
| <30                                                | 1/1,906 (0.1)  | 5/1,852 (0.3)             | 0.26 (0.05; 1.27)                      | 0.10    | -22 (-47; 4)                                    |                     |
| ≥30                                                | 0/246 (0.0)    | 3/301 (1.0)               | 0.16 (0.02; 1.57)                      | 0.12    | -100 (-224; 24)                                 |                     |
| Fetal sex                                          |                |                           |                                         |         |                                                   | NE                  |
| Boy                                                | 1/1,228 (0.1)  | 4/1,194 (0.3)             | 0.29 (0.05; 1.69)                      | 0.17    | -25 (-61; 11)                                   |                     |
| Girl                                               | 0/1,053 (0.0)  | 4/1,086 (0.4)             | 0.14 (0.02; 0.99)                      | 0.05    | -37 (-73; -0)                                   |                     |
| Parity                                             |                |                           |                                         |         |                                                   | 0.88                |
| Nulliparous                                        | 219/1,219 (18.0) | 226/1,264 (17.9)         | 1.01 (0.85; 1.19)                     | 0.95    | 10 (-292; 312)                                  |                     |
| Multiparous                                        | 21/1,062 (2.0) | 19/1,016 (1.9)            | 1.05 (0.57; 1.95)                      | 0.87    | 10 (-108; 128)                                  |                     |
| Maternal age (Years)                               |                |                           |                                         |         |                                                   | 0.07                |
| <35 years                                          | 194/1,802 (10.8) | 188/1,849 (10.2)        | 1.06 (0.88; 1.28)                     | 0.56    | 60 (-139; 258)                                  |                     |
| ≥35 years                                          | 46/479 (9.6)   | 57/431 (13.2)             | 0.73 (0.50; 1.05)                      | 0.09    | -365 (-775; 48)                                 |                     |
| Body mass index (Kg/m²)                            |                |                           |                                         |         |                                                   | 0.32                |
| <30                                                | 202/1,906 (10.6) | 188/1,852 (10.2)        | 1.04 (0.87; 1.26)                     | 0.65    | 45 (-150; 240)                                  |                     |
| ≥30                                                | 28/246 (11.4)  | 42 (14.0)                 | 0.82 (0.52; 1.28)                      | 0.38    | -254 (-816; 309)                                |                     |
| Fetal sex                                          |                |                           |                                         |         |                                                   | 0.22                |
| Boy                                                | 141/1,228 (11.5) | 153/1,194 (12.8)        | 0.90 (0.72; 1.11)                     | 0.31    | -133 (-393; 127)                                |                     |
| Girl                                               | 99/1,053 (9.4)  | 92/1,086 (8.5)            | 1.11 (0.85; 1.45)                      | 0.45    | 94 (-148; 335)                                  |                     |
| Parity                                             |                |                           |                                         |         |                                                   | <0.001              |
| Nulliparous                                        | 925 (75.9)     | 817 (64.6)                | 1.15 (1.10; 1.21)                     | <0.001  | 1083 (730; 1437)                                 |                     |
| Multiparous                                        | 515 (48.5)     | 260 (25.6)                | 1.89 (1.68; 2.14)                     | <0.001  | 2304 (1900; 2708)                                |                     |

Values are numbers (percentages) unless stated otherwise. Relative risk is adjusted for RCT. P-value correspond to the method used to calculate the relative risk/odds ratio. NE= not estimable due to low number of events (total of nine).
Composite of stillbirth, neonatal mortality, Apgar<4 at five minutes, HIE II-III, intracranial hemorrhage, neonatal convulsions, meconium aspiration syndrome, obstetric brachial plexus injury and mechanical ventilation within 72 hours

Stillbirth and neonatal mortality (live births with mortality <28 days)

Peto odds ratio