**S13 Table. The association of men’s age\* with implantation, initial hCG1 rise, of the competent blastocyst after COS2**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Women age\* (years)** | **N** | **Missing** | **Mean hCG2 (sd)** | **Meandiff. (95%CI)** | **P-value** | **Adj. meandiff.****(95%CI)\*\*** | **P-adj** |
| **18-24** | 28 | 0 | 344.9 (156.7) | -22.3 (-97.5;52.9) | 0.56 | -19.3(-113.0;74.5) | 0.69 |
| **25-29** | 289 | 40 | 367.2 (197.6) | ref. |  | ref. |  |
| **30-34** | 631 | 115 | 328.9 (184.1) | -38.3(-65.3;-11.3) | **0.01** | -67.6(-102.0;-33.0) | **<0.001** |
| **35-39** | 492 | 102 | 341.2 (206.9) | -26.0(-54.1;2.2) | 0.07 | -59.0(-100.4;-17.6) | **0.01** |
| **40-45** | 204 | 48 | 331.5 (172.4) | -35.7(-70.5;-1.0) | **0.04** | -57.5(-108.0;-6.9) | **0.03** |
| **46-99** | 80 | 15 | 370.3 (228.5) | 3.1(-44.9;51.1) | 0.90 | -19.0(-79.6;41.6) | 0.54 |
| **Total** | 1724 | 320 |  |  |  |  |  |
| **P *overall*** |  |  |  |  | 0.07 |  | **0.004** |

Linear regression. Multiple linear regression. \*Men’s age at oocyte pick up, \*\*Adjusted for female age, male BMI, male smoking, diagnosis and clinic, 1human chorionic gonadotrophin, 2COS: Controlled Ovarian Stimulation.