Supplementary Table 1 - **Demographics details of the patients included in the study.** POP - Progesterone only pill, LNG-IUS - levonorgestrel-releasing intrauterine system, PM – postmenopausal.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sample no. | Stage of cycle/treatment | Age | BMI | Smoker | Parity |
| 1 | Proliferative | 37 | 22.8 | Yes | 2 |
| 2 | Proliferative | 31 | 43.9 | No | 1 |
| 3 | Proliferative | 57 | 22 | No | 3 |
| 4 | Proliferative | 42 | 25.6 | Yes | 2 |
| 5 | Proliferative | 39 | 36.9 | No | 4 |
| 6 | Proliferative | 50 | 21 | No | 4 |
| 7 | Proliferative | 32 | 27.8 | Yes | 2 |
| 8 | Proliferative | 45 | 36.4 | No | 3 |
| 9 | Proliferative | 43 | 40.5 | No | 3 |
| 10 | Proliferative | 48 | 37.3 | No | 2 |
| 11 | Proliferative | 37 | 39.2 | No | 2 |
| 12 | Proliferative | 44 | 29.6 | No | 1 |
| 13 | Proliferative | 44 | 24.5 | No | 2 |
| 14 | Secretory | 32 | 26.6 | No | 2 |
| 15 | Secretory | 45 | 31.6 | No | 0 |
| 16 | Secretory | 35 | 32 | No | 3 |
| 17 | Secretory | 45 | 26.1 | No | 0 |
| 18 | Secretory | 47 | 22.6 | No | 0 |
| 19 | Secretory | 44 | 30.7 | Yes | 2 |
| 20 | Secretory | 37 | 21.7 | No | 4 |
| 21 | Secretory | 41 | 18.9 | Yes | 2 |
| 22 | Secretory | 39 | 22.4 | Yes | 6 |
| 23 | Secretory | 21 | 25.9 | No | 0 |
| 24 | Secretory | 46 | 25.4 | Yes | 1 |
| 25 | Secretory | 33 | 26.1 | No | 2 |
| 26 | Secretory | 40 | 33 | No | 2 |
| 27 | POP | 36 | 23.9 | No | 4 |
| 28 | POP | 33 | 27.4 | Yes | 3 |
| 29 | POP | 25 | 20.9 | No | 0 |
| 30 | POP | 31 | 25.8 | Yes | 2 |
| 31 | POP | 37 | 25.7 | No | 0 |
| 32 | POP | 43 | 24.2 | yes | 2 |
| 33 | LNG-IUS | 46 | 26.2 | No | 3 |
| 34 | LNG-IUS | 45 | 22.5 | No | 2 |
| 35 | LNG-IUS | 35 | 24.4 | No | 1 |
| 36 | LNG-IUS | 33 | 32.7 | Yes | 3 |
| 37 | LNG-IUS | 33 | 25.9 | No | 5 |
| 38 | Explant | 26 | 33.4 | Yes | 2 |
| 39 | Explant | 44 | 30.7 | Yes | 2 |
| 40 | Explant | 27 | 33.7 | No | 2 |
| 41 | Explant | 40 | 33 | No | 2 |
| 42 | Explant | 43 | 25.4 | No | 2 |
| 43 | Explant | 47 | 24.2 | Yes | 0 |
| 44 | Explant | 48 | 28.6 | No | 2 |
| 45 | PM | 69 | 24.7 | No | 4 |
| 46 | PM | 69 | 26.8 | No | 3 |
| 47 | PM | 67 | 32.8 | No | 4 |
| 48 | PM | 66 | 24.9 | No | 3 |
| 49 | PM | 52 | 39.6 | No | 2 |
| 50 | PM | 74 | 35.6 | No | 3 |