**Table I. Patient information for control and heavy menstrual bleeding groups.**

|  |  |  |
| --- | --- | --- |
| Demographic criteria | Control (N=36\*) | Heavy menstrual bleeding (N=35\*) |
| Ethnicity | White/British | 29 \*\* | 33 \*\*\* |
| European | 4 | 1 |
| Asian/British | 1 | 0 |
| Smoking history | Smoker | 11\*\* | 10  |
| Non-smoker | 23 | 25 |
| Age (years) | Mean (range) | 41.1 (28-51) | 41.8 (29-51) |
| BMI (kg/m2) | Mean (range) | 28.4 (19.7-41.5) | 29.9 (22.4-40) |
| Parity | Mean (range) | 2.9 (0-5) | 2.2 (0-6) |

\* Total patient numbers; note patient groups differed for the endothelial cell (EC) and extracellular matrix (ECM) studies.

\*\* Information available for 34/36 samples.

\*\*\* Information available for 34/35 samples.

Table II. Primary antibodies used for immunostaining of human EC and ECM.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Antibody** | **Catalogue No:** | **Species** | **Dilution** | **Pre-treatment** |
| **CD311** | NCL-CD31-1A10 | Mouse | 1:600 | PC in citrate buffer pH 6.0, 1min |
| **CD342** | M7165 | Mouse | 1:250 | PC in citrate buffer pH 6.0, 1min |
| **Collagen IV1** | COLL-IV | Mouse | 1:60 | Trypsin buffer pH 7.8, 37°C, 10min |
| **Factor VIII related antigen2** | M0616 | Mouse | 1:50 | Trypsin buffer pH 7.8, 37°C, 10min |
| **Fibronectin1** | NCL-FIB | Mouse | 1:100 | Trypsin buffer pH 7.8, 37°C, 10min |
| **Ki671** | NCL-Ki67-MM1 | Mouse | 1:50 | PC in citrate buffer pH 6.0, 1min |
| **Laminin1** | NCL-LAMININ | Mouse | 1:200 | Trypsin buffer pH 7.8, 37°C, 10min |
| **Osteopontin3** | ab8448 | Rabbit | 1:100 | None |

1Leica Laboratories, Newcastle upon Tyne, UK; 2Dako Cytomation, Ely, UK; 3Abcam Cambridge, UK. PC - pressure cook