**Table S3 Histological derivation and pathological distribution of pelvic benign tumors after hysterectomy**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Number of cases | Percentage (%) |
| Site | Pathology | 163  |  |
| Ovarian derived |  | 110 | 67.48 |
|  | endometriosis |  35 | 21.47 |
|  | Physiological cysts |  26 | 15.95 |
|  | Serous cystadenoma |  21 | 12.88 |
|  | Mucinous cystadenoma |  18 | 11.04 |
|  | Fibroma |  5 | 3.07 |
|  | teratoma |  3 | 1.84 |
|  | Epidermoid cyst |  2 | 1.23 |
| Fallopian tube |  | 31 | 19.02 |
|  | Hydrosalpinx | 20 | 12.27 |
|  | Mesenchymal cyst of oviduct |  8 | 4.91 |
|  | Ovarian oviduct abscess | 3 |  1.84 |
| Inflammation | Encapsulated effusion | 20 | 12.27 |
| Cervix derived |  | 5 | 3.07 |
|  | Cervical leiomyoma | 4 | 2.45 |
|  | Cervical intraepithelial neoplasia grade 2 | 1 | 0.61 |
| Pelvic |  | 6 | 3.68 |
|  | Intravascular leiomyomatosis | 4 | 2.45 |
|  | Pelvic leiomyoma | 2 | 1.23 |
| Arising from other organs |  | 7 | 4.29 |
|  | Vaginal stump endometriosis | 2 | 1.23 |
|  | Retroperitoneal neurogenic fibroma | 1 | 0.61 |
|  | Inflammatory myofibroblastoma | 1  | 0.61 |
|  | Mucous cystadenoma of appendix | 1 | 0.61 |
|  | Pseudomyxoma peritonei | 1 | 0.61 |
|  | Tuberculous peritonitis | 1 | 0.61 |

**Note:** 16 patients with benign tumors have two kinds of pathological type