

## Appendix 1

#1 ((vulvar melanoma[Title/Abstract] OR (vulvar cancer[Title/Abstract] OR ("vulvar neoplasms"[MeSH Terms] OR ("vulvar"[All Fields] AND "neoplasms"[All Fields]) OR "vulvar neoplasms"[All Fields] OR ("vulvar"[All Fields] AND "tumor"[All Fields]) OR "vulvar tumor"[All Fields]))) OR (vulvar squamous[Title/Abstract] OR vulvar adenocarcinoma[Title/Abstract] OR vulvar carcinoma[Title/Abstract]

#2 ((endoscopic[Title/Abstract] OR endoscopy[Title/Abstract] OR laparoscopy[Title/Abstract] OR laparoscopic[Title/Abstract] OR lymphadenectomy[Title/Abstract])) OR lymph node dissection[Title/Abstract]

#1 AND #2 (Filters: Publication date from 2000/01/01 to 2020/03/01)

**Table S1** Each patient's clinical characteristics and surgery-related conditions in our center

| Case | Age | FIGO stage | Lesion site | Surgical route | Operative time (min) | Blood loss (mL) | Lymph node left | Lymph node right | Lymph node total | Lymph nodes metastasis | Time of drainage left | Time of drainage right | Hospital stay (d) | Groin infection | Cancer recurrence |
|------|-----|------------|-------------|----------------|----------------------|-----------------|-----------------|------------------|------------------|------------------------|-----------------------|------------------------|-------------------|-----------------|-------------------|
| 1    | 60  | IIIa       | Central     | VEIL-H         | 98                   | 15              | 13              | 13               | 26               | 2                      | 15                    | 15                     | 16                | 0               | 0                 |
| 2    | 50  | II         | Central     | VEIL-H         | 89                   | 5               | 13              | 13               | 26               | 0                      | 11                    | 11                     | 12                | 0               | 0                 |
| 3    | 72  | IIIa       | Central     | VEIL-H         | 87                   | 20              | 10              | 7                | 17               | 1                      | 16                    | 16                     | 17                | 0               | 1                 |
| 4    | 54  | II         | Central     | VEIL-H         | 66                   | 12              | 11              | 7                | 18               | 0                      | 12                    | 12                     | 14                | 0               | 0                 |
| 5    | 57  | II         | Central     | VEIL-H         | 82                   | 10              | 13              | 13               | 26               | 0                      | 14                    | 8                      | 9                 | 0               | 0                 |
| 6    | 58  | Ib         | Left        | VEIL-H         | 60                   | 5               | 6               | –                | 6                | 0                      | 18                    | –                      | 18                | 0               | 0                 |
| 7    | 62  | II         | Central     | VEIL-H         | 71                   | 5               | 9               | 13               | 22               | 0                      | 19                    | 9                      | 19                | 0               | 0                 |
| 8    | 52  | Ib         | Right       | VEIL-H         | 67                   | 5               | –               | 13               | 13               | 0                      | –                     | 10                     | 12                | 0               | 0                 |
| 9    | 76  | II         | Central     | VEIL-H         | 75                   | 10              | 12              | 12               | 24               | 0                      | 13                    | 13                     | 13                | 1               | 0                 |
| 10   | 67  | Ib         | Right       | VEIL-L         | 63                   | 5               | –               | 10               | 10               | 0                      | –                     | 11                     | 12                | 0               | 0                 |
| 11   | 69  | Ib         | Left        | VEIL-L         | 74                   | 8               | 13              | –                | 13               | 0                      | 7                     | –                      | 8                 | 0               | 0                 |
| 12   | 63  | Ib         | Central     | VEIL-L         | 55                   | 5               | 5               | 8                | 13               | 0                      | 11                    | 11                     | 11                | 0               | 0                 |
| 13   | 53  | II         | Central     | VEIL-L         | 78                   | 6               | 10              | 10               | 20               | 0                      | 8                     | 8                      | 9                 | 0               | 0                 |
| 14   | 59  | II         | Central     | VEIL-L         | 75                   | 4               | 12              | 11               | 23               | 0                      | 10                    | 10                     | 11                | 0               | 0                 |
| 15   | 71  | II         | Central     | VEIL-L         | 72                   | 8               | 10              | 13               | 23               | 0                      | 9                     | 9                      | 19                | 0               | 0                 |

FIGO, International Federation of Gynecology and Obstetrics; VEIL, video endoscopic inguinal lymphadenectomy.