

Supplementary Table 4. Case-control studies which screened thyroid status in females with different types of gynecological cancers

| Study ID | Cancer type | Thyroid status | Total No. of patients with cancer | No. of patients had thyroid status | Total No. of patients without cancer | No. of controls (without cancer) had thyroid status |
|-----------|-------------------|-----------------|-----------------------------------|------------------------------------|--------------------------------------|---|
| Study 5 | Uterine fibroids | Thyroid disease | 432 | 22 | 421 | 34 |
| Study 9 | Uterine cancer | Hypothyroidism | 113 | 27 | 156 | 10 |
| Study 11 | Uterine cancer | Hypothyroidism | 23,227 | 3,653 | 140,601 | 13,411 |
| Study 12 | Uterine leiomyoma | Hypothyroidism | 51 | 9 | 164 | 7 |
| Study 13 | Uterine cancers | Hypothyroidism | 95 | 9 | 481 | 23 |
| Study 18a | Uterine cancer | Thyroid disease | 1,398 | 59 | 99,172 | 2,776 |
| Study 18b | Ovarian cancer | Thyroid disease | 2,491 | 56 | 99,421 | 2,381 |
| Study 19a | Ovarian Cancer | Hyperthyroidism | 767 | 30 | 1,367 | 30 |
| Study 19b | Ovarian Cancer | Hypothyroidism | 767 | 72 | 1,367 | 138 |

ID, identity document.