### Table S1. Baseline characteristics stratified by socioeconomic group

| Variable                        | Social group I  | Social group II | Social group III | p-value     | Total       |
|---------------------------------|-----------------|-----------------|------------------|-------------|-------------|
|                                 | (n=147)         | (n=186)         | (n=199)          |             | (n=532)     |
| **Age at diagnosis**            |                 |                 |                  |             |             |
| <50 years                       | 11 (7.5%)       | 18 (9.7%)       | 31 (15.5%)       | 0.002       | 60 (11.3%)  |
| 50-70 years                     | 78 (53.0%)      | 99 (53.2%)      | 115 (57.8%)      |             | 292 (54.9%) |
| >70 years                       | 58 (39.5%)      | 69 (37.1%)      | 53 (26.7%)       |             | 180 (33.8%) |
| **Body Mass Index (kg/m²)**     |                 |                 |                  | <0.001      |             |
| Underweight                     | 1 (0.7%)        | 0 (0.0%)        | 5 (2.5%)         |             | 6 (1.1%)    |
| Normal weight                   | 31 (21.1%)      | 29 (15.6%)      | 23 (11.5%)       |             | 83 (15.6%)  |
| Overweight                      | 44 (29.9%)      | 48 (25.8%)      | 35 (17.6%)       |             | 127 (23.9%) |
| Obese                           | 71 (48.3%)      | 109 (58.6%)     | 136 (68.3%)      |             | 316 (59.4%) |
| **Grade of EC**                 |                 |                 |                  |             |             |
| 1                               | 58 (39.5%)      | 82 (44.1%)      | 99 (49.8%)       | 0.350       | 239 (44.9%) |
| 2                               | 34 (23.1%)      | 44 (23.7%)      | 44 (22.1%)       |             | 122 (22.9%) |
| 3                               | 55 (37.4%)      | 60 (32.3%)      | 56 (28.1%)       |             | 171 (32.1%) |
| **Stage of EC**                 |                 |                 |                  | 0.410       |             |
| I                               | 108 (73.5%)     | 138 (74.6%)     | 152 (76.4%)      |             | 398 (75.0%) |
| II                              | 13 (8.8%)       | 20 (10.8%)      | 22 (11.1%)       |             | 55 (10.4%)  |
| III                             | 23 (15.7%)      | 22 (11.9%)      | 24 (12.0%)       |             | 69 (13.0%)  |
| IV                              | 3 (2.0%)        | 5 (2.7%)        | 1 (0.5%)         |             | 9 (1.6%)    |
| **Histology**                   |                 |                 |                  | 0.319       |             |
| Endometrioid                    | 105 (71.4%)     | 138 (74.2%)     | 156 (78.4%)      |             | 399 (75.0%) |
| Non-endometrioid                | 42 (28.6%)      | 48 (25.8%)      | 43 (21.6%)       |             | 133 (25.0%) |
| **Bohman’s category**           |                 |                 |                  | 0.147       |             |
| Type 1                          | 91 (61.9%)      | 126 (67.7%)     | 143 (71.9%)      |             | 360 (67.7%) |
| Type 2                          | 56 (38.1%)      | 60 (32.3%)      | 56 (28.1%)       |             | 172 (32.3%) |
| **Lymphovascular space invasion**|                |                 |                  | 0.041       |             |
| No                              | 111 (75.5%)     | 119 (64.7%)     | 148 (74.8%)      |             | 378 (71.5%) |
| Yes                             | 36 (24.5%)      | 65 (35.3%)      | 50 (25.3%)       |             | 151 (28.5%) |
### Depth of myometrial invasion

|         | <50%     | ≥50%     |     |     |     |
|---------|----------|----------|-----|-----|-----|
|人数    | 85 (57.8%) | 124 (66.7%) | 133 (66.8%) | 342 (64.3%) |
|百分比   | 42.2%    | 33.3%    | 33.2% | 35.7% |

### History of diabetes mellitus

|         | Yes | No |     |     |     |
|---------|-----|----|-----|-----|-----|
|人数   | 22 (15.0%) | 125 (85.0%) | 124 (66.7%) | 422 (79.9%) |
|百分比 | 15.0% | 85.0% | 66.7% | 79.9% |

### Primary treatment

| 原治疗            | Surgery        | Hormonal (Fertility sparing reasons) | Hormonal (Not fit for surgery) | Radiotherapy |
|------------------|----------------|--------------------------------------|---------------------------------|-------------|
|人数   | 131 (89.1%) | 4 (2.7%)   | 12 (8.2%) | 0 (0.0%) |
|百分比 | 89.1% | 2.7% | 8.2% | 0.0% |
|人数   | 165 (88.7%) | 7 (3.8%) | 12 (6.5%) | 2 (1.1%) |
|百分比 | 88.7% | 3.8% | 6.5% | 1.1% |
|人数   | 171 (85.9%) | 11 (5.5%) | 16 (8.0%) | 1 (0.5%) |
|百分比 | 85.9% | 5.5% | 8.0% | 0.5% |

### Adjuvant treatment

|         | Yes | No |     |     |     |
|---------|-----|----|-----|-----|-----|
|人数   | 73 (49.7%) | 74 (50.3%) | 131 (89.1%) | 422 (79.9%) |
|百分比 | 49.7% | 50.3% | 89.1% | 79.9% |
|人数   | 85 (46.0%) | 100 (54.1%) | 165 (88.7%) | 467 (87.8%) |
|百分比 | 46.0% | 54.1% | 88.7% | 87.8% |
|人数   | 79 (39.7%) | 120 (60.3%) | 171 (85.9%) | 424 (79.7%) |
|百分比 | 39.7% | 60.3% | 85.9% | 79.7% |

### Recurrence

|         | Yes | No |     |     |     |
|---------|-----|----|-----|-----|-----|
|人数   | 23 (15.6%) | 124 (84.4%) | 131 (89.1%) | 467 (87.8%) |
|百分比 | 15.6% | 84.4% | 89.1% | 87.8% |
|人数   | 30 (16.2%) | 155 (83.8%) | 165 (88.7%) | 467 (87.8%) |
|百分比 | 16.2% | 83.8% | 88.7% | 87.8% |
|人数   | 24 (12.1%) | 175 (87.9%) | 171 (85.9%) | 424 (79.7%) |
|百分比 | 12.1% | 87.9% | 85.9% | 79.7% |

### Survival status at end of follow up

|         | Alive | Cancer-specific mortality | Non-cancer related mortality |     |     |     |
|---------|-------|---------------------------|-----------------------------|-----|-----|-----|
|人数   | 117 (79.6%) | 17 (11.6%) | 13 (8.8%) | 168 (84.4%) | 155 (83.8%) | 15 (8.8%) |
|百分比 | 79.6% | 11.6% | 8.8% | 84.4% | 83.8% | 8.8% |
|人数   | 139 (74.7%) | 35 (18.8%) | 12 (6.5%) | 168 (84.4%) | 155 (83.8%) | 12 (6.5%) |
|百分比 | 74.7% | 18.8% | 6.5% | 84.4% | 83.8% | 6.5% |
|人数   | 168 (84.4%) | 22 (11.1%) | 9 (4.5%) | 168 (84.4%) | 155 (83.8%) | 9 (4.5%) |
|百分比 | 84.4% | 11.1% | 4.5% | 84.4% | 83.8% | 4.5% |

### Footnote:
Seven women did not have SES data due to unmatched post-codes and were excluded from the findings presented above.