**Table S2: Unmet informational and supportive care needs at the time of diagnosis**

|  |  |  |  |
| --- | --- | --- | --- |
| Unmet Needs | OIN (39) | IC (78) | P |
| N (%) | N (%) |
| Information believe to be useful but not offered or fully discussed by the physician(Themes) |  |  |  |
|  Treatment options and side effects | 34 (87.2) | 71 (91.0) | 0.747\*\* |
|  Recovery rate | 39 (100.0) | 77 (98.7) | 1.000\*\* |
|  Medical bill | 27 (69.2) | 58 (74.4) | 0.558\* |
|  Self-care following surgery | 18 (46.2) | 41 (52.6) | 0.513\* |
|  Preparation for surgery | 35 (89.7) | 61 (78.2) | 0.125\* |
|  Change in sexual function | 14 (35.9) | 23 (29.5) | 0.482\* |
| Searched for information about treatment(Themes) |  |  |  |
|  Talked to other patients | 11 (28.2) | 28 (35.9) | 0.405\* |
|  Obtain from doctor | 23 (59.0) | 51 (65.4) | 0.498\* |
|  Searched the internet | 5 (12.8) | 9 (11.5) | 1.000\*\* |
| Type of information about treatment options and treatment side effects(Themes) |  |  |  |
|  Cancer control and recovery rate | 29 (74.3) | 62 (79.5) | 0.529\* |
|  Satisfaction with treatment outcomes | 21 (53.8) | 35 (44.9) | 0.360\* |
|  Post-surgical self-care | 14 (35.9) | 53 (67.9) | 0.001\* |
| Involvement in the treatment decision making(Themes) |  |  |  |
|  Made their decision based on physicians’ recommendation | 25/28 (8.3) | 52/58 (89.7) | 1.000\* |
|  Made their own personal choice of treatment | 16/28 (57.1) | 18/58 (31.0) | 0.020\* |
|  Made treatment decision after considering family members recommendations | 13/28 (46.4) | 19/58 (32.8) | 0.219\* |
| Worries about treatment(Themes) |  |  |  |
| Worries about survival | 32 (82.1) | 67 (85.9) | 0.587\* |
|  Worries about the surgical outcomes | 27 (69.2) | 58 (74.4) | 0.558\* |
|  Worries about treatment side effects/Worries about changes in sexual function | 19 (48.7) | 34 (43.6) | 0.599\* |
| Emotional distress(Themes) |  |  |  |
|  Felt depressed | 9 (23.1) | 24 (30.8) | 0.383\* |
|  Had negative emotions | 14 (35.9) | 29 (37.2) | 0.892\* |
|  Felt shocked and scared | 26 (66.7) | 55 (70.5) | 0.671\* |
|  Felt angry | 21 (53.8) | 47 (60.3) | 0.508\* |

\*: Chi-Square; **\*\*:** Pearson chi-squared test with continuity correction