**Table S1: Quality of life characteristics of female breast cancer patients at TASH, Addis Ababa, Ethiopia 2019.**

|  |  |
| --- | --- |
| **Scales** | **Mean ±SD** |
| **Global health status/QOL** | 83.61±20.9 |
| **EORTC QLQ-C30 functional scale** |  |
| Physical functioning | 60±21.8 |
| Role functioning | 23.8±32.8 |
| Emotional functioning | 59.1±38.7 |
| Cognitive functioning | 72.8±28.2 |
| Social functioning | 75.5±26 |
| **EORTC QLQ-C30 symptom scale** |  |
| Fatigue | 64.1± 23.5 |
| Nausea and vomiting | 30.7±28 |
| Pain | 67.8± 22.8 |
| Dyspnea | 41.3± 31.5 |
| Insomnia | 47.2±35.8 |
| Appetite loss | 59.3± 32.8 |
| Constipation | 14.8± 26 |
| Diarrhea | 14±29.3 |
| Financial difficulty | 63± 43 |
| **EORTC QLQ-BR23 functional scale** |  |
| Body image | 76.9± 33.5 |
| Sexual functioning | 20.1±20 |
| Sexual enjoyment | 35.6+25.4 |
| Future perspective | 78± 33.6 |
| **EORTC QLQ-BR23 symptom scale** |  |
| Systemic therapy side effect | 55.9±17.7 |
| Breast symptoms | 20.3± 21.6 |
| Arm symptoms | 20.4± 22.3 |
| Upset by hair loss | 15.6± 29 |

**Table S2: Bivariate and multivariate logistic regression analysis to show association of variables with social networks among female breast cancer patients at TASH, Addis Ababa, Ethiopia 2019.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variables | Social | Networks |  |  |
|  | **Low n(%)** | **High n (%)** | **COR (95%CI)** | **AOR (95%CI)** |
| Education  illiterate  grade1-8  grade9-12  college | 8 (3.7)  1 (0.5)  1 (0.5)  3 (1.4) | 51 (23.8)  22 (10.3)  10 (4.7)  118 (55.1) | 0.16(0.04,0.64) \*  0.56(0.05,5.62)  0.25(0.02,2.67)  1 | 0.28(0.54,30.34)  0.91(0.65,17.35)  0.95(0.03,9.43)  1 |
| Occupation housewife governmental  private  Student | 2 (0.9)  0 (0)  11 (5.1)  0 (0.0) | 185 (86.4)  4 (1.9)  1 0(4.7)  2 (0.9) | 1  0.01(0.05,1.57)  0.01(0.01,0.043) \*  0.01(0.009,34.55) | 1  0.36(0.54,13.64)  0.93(0.65, 9.83)  0.9(0.65,38.34) |
| Alcohol intake  Past  Never | 10 (4.6)  3 (1.4) | 1 (0.5)  200 (93.5) | 0.002(0.00,0.02) \*  1 | 0.017(0.01,20.15)  1 |
| Married  No  Yes | 12 (5.6)  1 (0.5) | 61 (28.5)  140 (65.4) | 0.036(0.001,0.28\*  1 | 0.03(0.03,0.28) \*\*  1 |
| Children  No  Yes | 10 (4.7)  3 (1.4) | 69 (32.2)  132 (61.7) | 1  6(1.6,23) \* | 1  5(1.3,21) \*\* |
| Parents living  No  Yes | 10 (4.7)  3 (1.4) | 69 (32.2)  132 (61.7) | 0.15(1.7,23.9) \*  1 | 0.1(0.02,0.4) \*\*  1 |
| Other relatives  No  Yes | 4 (1.9)  9 (4.2) | 12 (5.6)  189 (88.3) | 1  7(1.8,26) \* | 1  6(1.2,30) \*\* |
| Close friends  No  Yes | 4 (1.9)  9 (4.2) | 12 (5.6)  189 (88.3) | 0.14 (0.04,0.5) \*  1 | 0.06(0.01,0.4) \*\*  1 |
| Belong to church  No  Yes | 4 (1.9)  9 (4.2) | 12 (5.6)  189 (88.3) | 0.14 (0.04,0.5) \*  1 | 0.09(0.02,0.4) \*\*  1 |
| Job  No  Yes | 7 (3.3)  6 (2.8) | 50 (23.4)  151 (70.6) | 0.284 (0.09,0.9) \*  1 | 0.09(0.02,0.46) \*\*  1 |
| Neighbors  No  Yes | 7 (3.3)  6 (2.8) | 50 (23.4)  151 (70.6) | 0.284 (0.09,0.9) \*  1 | 0.13(0.03,0.5) \*\*  1 |

**Table S3: Bivariate and multivariate logistic regression analysis to show association of variables with quality of life among female breast cancer patients at TASH, Addis Ababa, Ethiopia 2019.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variables** | **Quality of life** |  |  |  |
|  | Not affected n (%) | Affected n (%) | COR (95%CI) | AOR (95%) |
| Education  Illiterate  Grade1-8  Grade9-12  College | 40(18.7)  19(8.9)  12(5.6)  95(44.4) | 28(13.1)  2(0.9)  4(1.9)  14(6.5) | 4.8(2.3,9.6) \*  0.7(0.15,3.4)  2.3(0.64,8)  1 | 3(1.3,6.9) \*\*  0.7(0.14,3.33)  2(0.7,10)  1 |
| Monthly income  <500  501-1000  1001-1500  1501-2000  >2000 | 31(14.5)  13(6.1)  4(1.9)  14(6.5)  104(48.6) | 23(10.7)  2(0.9)  3(1.4)  2(0.9)  18(8.4) | 4(2,8.9) \*  0.9(0.25,4.28)  4.3(0.9,21)  0.8(0.2,3.9)  1 | 2.6(1.2,6.2) \*\*  0.7(0.13,3.4)  2.5(0.47,13.7)  0.8(0.2,3.9)  1 |
| Emotional functioning  Affected  Not affected | 90(42.1)  76(35.5) | 39(18.2)  9(4.2) | 1  3.6(1.67,8) \* | 1  2.5(1.1,6) \*\* |
| Cognitive functioning  Affected  Not affected | 72(33.6)  94(43.9) | 32(15)  16(7.5) | 2.6(1.3,5) \*  1 | 2.3(1.1,3) \*\*  1 |
| Fatigue  Affected  Not affected | 133(62.1)  33(15.4) | 46(21.5)  2(0.9) | 5.7(1.3,24) \*  1 | 5.2(1.1,15) \*\* |
| Nausea/vomiting  Affected  Not affected | 99(46.3)  67(31.3) | 38(17.8)  10(4.7) | 2.6(1.2,5.5) \*  1 | 2.3(1.1,5) \*\* |
| Pain  Affected  Not affected | 112(52.3)  54(25.2) | 42(19.6)  6(2.8) | 3.4(1.3,8.4) \*  1 | 3(1.2,8) \*\*  1 |
| Insomnia  Affected  Not affected | 101(47.2)  65(30.4) | 41(19.2)  7(3.3) | 3.8(1.6,9) \*  1 | 3(1.2,7) \*\*  1 |
| Appetite loss  Affected  Not affected | 130(60.7)  36(16.8) | 45(21)  3(1.4) | 4(1.2,14) \*  1 | 3.5(1.02,12) \*\*  1 |
| Financial difficulty  Affected  Not affected | 118(55.1)  48(22.4) | 42(19.6)  6(2.8) | 2.8(1.1,7) \*  1 | 2.6(1.01,6.8) \*\*  1 |
| Systemic therapy side effect  Affected  Not affected | 130(60.7)  36(16.8) | 45(21)  3(1.4) | 4(1.2,14) \*  1 | 3.8(1.1,13) \*\*  1 |
| Social networks  Poor  Good | 5(2.3)  161(75.2) | 8(3.7)  40(18.7) | 6.4(1.9,20) \*  1 | 4.5(1.3,15) \*\*  1 |
|  |  |  |  |  |