**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  privateStudent | 2 (0.9)0 (0)11 (5.1)0 (0.0) | 185 (86.4)4 (1.9)1 0(4.7)2 (0.9) | 10.01(0.05,1.57)0.01(0.01,0.043) \*0.01(0.009,34.55) | 10.36(0.54,13.64)0.93(0.65, 9.83)0.9(0.65,38.34) |
| Alcohol intakePastNever  | 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 NoYes  | 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 NoYes  | 10 (4.7)3 (1.4) | 69 (32.2)132 (61.7) | 16(1.6,23) \* | 15(1.3,21) \*\* |
| Parents livingNoYes | 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 relativesNoYes  | 4 (1.9)9 (4.2) | 12 (5.6)189 (88.3) | 17(1.8,26) \* | 16(1.2,30) \*\* |
| Close friendsNoYes  | 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 churchNoYes  | 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 NoYes  | 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 NoYes  |  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 Grade9-12College  | 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<500501-10001001-15001501-2000>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 functioningAffected Not affected  | 90(42.1)76(35.5) | 39(18.2)9(4.2) | 13.6(1.67,8) \* | 12.5(1.1,6) \*\* |
| Cognitive functioningAffectedNot 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 AffectedNot 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/vomitingAffectedNot 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) \*\* |
| PainAffectedNot 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 |
| InsomniaAffectedNot 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 lossAffectedNot affected | 130(60.7)36(16.8) | 45(21)3(1.4) | 4(1.2,14) \*1 | 3.5(1.02,12) \*\*1 |
| Financial difficultyAffected 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 effectAffectedNot affected | 130(60.7)36(16.8) | 45(21)3(1.4) | 4(1.2,14) \*1  | 3.8(1.1,13) \*\*1 |
| Social networksPoorGood  | 5(2.3)161(75.2) | 8(3.7)40(18.7) | 6.4(1.9,20) \*1 | 4.5(1.3,15) \*\*1 |
|  |  |  |  |  |