**Supplementary file**

## **Table 1: Gender-wise comparison of HR-QOL scores of study participants by EORTC QLQ C30 (N=187)**

|  |  |  |
| --- | --- | --- |
| **EORTC QLQ C30** | **Mean score ± SD / Median (IQR)** | **P value** |
| **Male** | **Female** |
| **Global health status** | 58.45 ± 17.7 | 57.91 ± 16.9 | 0.8 |
| Physical functioning | 86.7 (73.3-100) | 93.3 (71.7-100) | 0.5 |
| Role functioning | 100 (75-100) | 100 (83.3-100) | 0.1 |
| Emotional functioning | 83.3 (75-100) | 91.7 (75-100) | 0.1 |
| Cognitive functioning | 100 (100-100) | 100 (100-100) | 0.7 |
| Social functioning | 50 (33.3-66.7) | 66.7 (50-66.7) | 0.3 |
| Fatigue | 33.3 (22.2-50) | 33.3 (11- 44.4) | 0.2 |
| Nausea, vomiting | 0 (0) | 0 (0) | 0.02 |
| Pain | 16.7 (0-50) | 16.7 (0-33.3) | 0.3 |
| Dyspnoea | 0 (0) | 0 (0) | 0.7 |
| Insomnia | 0 (0-33.3) | 0 (0-33.3) | 0.5 |
| Appetite loss | 33.3 (0-33.3) | 0 (0-33.3) | 0.01 |
| Constipation | 0 (0) | 0 (0) | 0.6 |
| Diarrhea | 0 (0) | 0 (0) | 0.5 |
| Financial difficulties | 66.7 (33.3-66.7) | 66.7 (33.3-66.7) | 0.5 |

## *# GHS is represented as Mean ± SD, whereas the other scores, including functional scales, symptom scales, and financial difficulty are represented as Median (IQR).*

*For the GHS score, the significance between the two groups is seen by the independent t-test, whereas the Mann-Whitney U test is applied for other scores.*

**Table 2: Comparison of HR-QOL scores in different types of cancers**

|  |  |
| --- | --- |
| **EORTC QLQ C30** | **Mean score ± SD / Median (IQR)** |
| **GI**  | **Breast**  | **GU** | **H&N**  | **Lung** |
| **Global health status** | 54.2± 16.3  | 60.7 ± 16.5  | 59.5 ± 15.6  | 59 ± 20.3 | 59.2 ± 22 |
| Physical functioning | 83.3 (65-100) | 100 (86.7-100) | 80 (70-100) | 93.3 (91.7-100) | 83.3 (65-88.3) |
| Role functioning | 100 (83.3-100) | 100 (100-100) | 100 (83.3-100) | 100 (66.7-100) | 100 (75-100) |
| Emotional functioning | 83.3 (75-100) | 91.7 (83.3-100) | 91.7 (75-100) | 95.8 (83.3-100) | 79.2 (50-100) |
| Cognitive functioning | 100 (100-100) | 100 (100-100) | 100 (100-100) | 100 (100-100) | 100 (70.8-100) |
| Social functioning | 50 (33.3-66.7) | 66.7 (50-66.7) | 66.7 (50-66.7) | 50 (33.3-66.7) | 50 (33.3-70.8) |
| Fatigue | 33.3 (30.5-47.2) | 22.2 (11-33.3) | 33.3 (22.2-44.4) | 33.3 (19.4-44.4) | 27.8 (0-47.2) |
| Nausea, vomiting | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0-8.3) |
| Pain | 33.3 (0-33.3) | 16.7 (0-33.3) | 0 (0-33.3) | 16.7 (0-50) | 33.3 (0-75) |
| Dyspnoea | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0-41.7) |
| Insomnia | 0 (0-33.3) | 0 (0) | 0 (0-33.3) | 0 (0-33.3) | 0 (0-33.3) |
| Appetite loss | 16.7 (0-33.3) | 0 (0-33.3) | 0 (0-33.3) | 0 (0-33.3) | 33.3 (0-41.7) |
| Constipation | 0 (0-33.3) | 0 (0) | 0 (0) | 0 (0) | 0 (0-8.3) |
| Diarrhea | 0 (0) | 0 (0) | - | - | - |
| Financial difficulties | 66.7 (33.3-66.7) | 66.7 (33.3-66.7) | 66.7 (33.3-66.7) | 33.3 (33.3-66.7) | 66.7 (33.3-75) |

## *GHS is expressed as Mean**± SD, whereas all other scores are expressed as Median (IQR).*

## **Table 3: Health-Related Quality of life assessment in the study participants using the EORTC QLQ C30 V3 tool**

|  |  |
| --- | --- |
| **EORTC QLQ C30 Items** | **Levels of scoring n (%)** |
| **Not at all**  | **A little** | **Quite a bit** | **Very much** |
| Trouble during strenuous activities  | 96 (52) | 55 (29) | 26 (14) | 10 (5) |
| Trouble taking a long walk | 93 (50) | 42 (22) | 39 (21) | 13 (7) |
| Trouble taking a short walk | 137 (73) | 31 (17) | 15 (8) | 4 (2) |
| Need to stay in bed or chair during the day | 117 (63) | 49 (26) | 14 (7) | 7 (4) |
| Need help in eating, dressing, washing, or using the toilet | 164 (88) | 7 (4) | 10 (5) | 6 (3) |
| Limited in doing work or other daily activities | 139 (74) | 32 (18) | 12 (6) | 4 (2) |
| Limited in pursuing hobbies or other leisure time activities | 150 (80) | 25 (14) | 8 (4) | 4 (2) |
| Short of breath | 169 (90) | 7 (4) | 6 (3) | 5 (3) |
| Had pain | 84 (45) | 66 (35) | 27 (15) | 10 (5) |
| Need to rest | 75 (40) | 85 (45) | 24 (13) | 1 (2) |
| Trouble sleeping | 128 (68) | 40 (21) | 14 (8) | 5 (3) |
| Felt weak | 38 (21) | 90 (48) | 51 (27) | 8 (4) |
| Lacked appetite | 112 (60) | 51 (27) | 21 (11) | 3 (2) |
| Felt nauseated | 161 (86) | 14 (8) | 8 (4) | 4 (2) |
| Vomited | 168 (90) | 6 (3) | 9 (5) | 4 (2) |
| Constipated | 157 (84) | 19 (10) | 10 (5) | 1 (1) |
| Diarrhea | 179 (96) | 6 (3) | 2 (1) | 0 |
| Tired | 45 (24) | 103 (55) | 36 (19) | 3 (2) |
| Did pain interfere with daily activities | 100 (54) | 59 (31) | 23 (12) | 5 (3) |
| Difficulty in concentrating on things | 159 (85) | 20 (11) | 6 (3) | 2 (1) |
| Feel tense | 80 (43) | 82 (44) | 23 (12) | 2 (1) |
| Worry | 108 (58) | 55 (29) | 21 (11) | 3 (2) |
| Feel irritable | 145 (78) | 26 (13) | 13 (7) | 3 (2) |
| Depressed | 154 (83) | 19 (10) | 12 (6) | 2 (1) |
| Difficulty remembering things | 175 (93) | 7 (4) | 5 (3) | 0 |
| Physical condition/ treatment interfered with family life | 15 (8) | 109 (58) | 60 (32) | 3 (2) |
| Physical condition/treatment interfered with social activities | 21 (11) | 99 (53) | 56 (30) | 11 (6) |
| Physical condition/treatment caused you financial difficulties | 6 (3) | 73 (39) | 92 (49) | 16 (9) |

**Table 4: Post hoc analysis to identify the significant groups among castes associated with Global Health Status**

Multiple comparisons by Bonferroni

Dependent variable: Global Health Status

Independent variable: caste

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Caste (I)** | **Caste (J)** | **Mean difference (I-J)** | **Std error** | **Significance** | **95%CI** |
| Lower bound | Upper bound |
| General | OBC/SEBC | -3.8 | 3.2 | 0.7 | -11.5 | 3.8 |
| SC/ST | 12.9 | 4.6 | **0.01\*** | 1.8 | 23.9 |
| OBC/SEBC | General | 3.8 | 3.2 | 0.7 | -3.9 | 11.5 |
| SC/ST | 16.7 | 5.2 | **0.005\*** | 4.1 | 29.2 |
| SC/ST | General  | -12.9 | 4.6 | **0.01\*** | -23.9 | -1.8 |
| OBC/SEBC | -16.7 | 5.2 | **0.005\*** | -29.2 | -4.1 |

**Table 5: Post hoc analysis to identify the significant groups among education levels associated with Global Health Status**

Multiple comparisons by Bonferroni

Dependent variable: Global Health Status

Independent variable: Education

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Education (I)** | **Education (J)** | **Mean difference (I-J)** | **Std error** | **Sig.** | **95%CI** |
| Lower bound | Upper bound |
| Up to middle school | High school & intermediate  | -10.9 | 3.1 | **0.001\*** | -18.3 | -3.5 |
| Graduate & Honours | -10.2 | 3.3 | **0.007\*** | -18.3 | -2.2 |
| High school & intermediate | Up to middle school | 10.9 | 3.1 | **0.001\*** | 3.5 | 18.3 |
| Graduate & Honours | 0.6 | 2.8 | 1 | -6.2 | 7.5 |
| Graduate & Honours | Up to middle school | 10.2 | 3.3 | **0.007\*** | 2.2 | 18.3 |
| High school & Intermediate | -0.6 | 2.8 | 1 | -7.5 | 6.2 |

**Table 6: Post hoc analysis to identify the significant groups among socioeconomic status associated with Global Health Status**

Multiple comparisons by Bonferroni

Dependent variable: Global Health Status

Independent variable: SES

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SES (I)** | **SES (J)** | **Mean difference (I-J)** | **Std error** | **Significance** | **95%CI** |
| Lower bound | Upper bound |
| Lower and upper lower | Lower middle | -8.1 | 3.2 | **0.04\*** | -16.1 | -0.2 |
| Upper and upper middle | -11.4 | 3.4 | **0.004\*** | -19.8 | -3.0 |
| Lower middle | Lower and upper lower | 8.1 | 3.2 | **0.04\*** | 0.2 | 16.1 |
| Upper and upper middle | -3.2 | 2.7 | 0.7 | -9.9 | 3.4 |
| Upper and upper middle | Lower and upper lower | 11.4 | 3.4 | **0.004\*** | 3.0 | 19.8 |
| Lower middle | 3.2 | 2.7 | 0.7 | -3.4 | 9.9 |

**Table 7: Association of Physical Functioning with Sociodemographic factors**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Independent Variables** | **n (%)** | **Median (IQR)** | **Test statistic** | **P value** |
| **Age (in years)**<40 40-60>60 | 15 (8)111 (59.4)61 (32.6) | 93.3 (40)93.3 (20)86.7 (33.3) | 10.5 | **0.005\*** |
| **Gender**MaleFemale | 69 (37)118 (63) | 86.7 (26.7)93.3 (28.3) | 4302 | 0.5 |
| **Caste**GeneralOBC/SEBCSC/ST | 138 (73.8)34 (18.2)15 (8) | 93.3 (26.7)96.7 (26.7)80 (33.3) | 2.9 | 0.2 |
| **Marital status**MarriedUnmarriedWidowed/divorced/separated | 174 (93)3 (1.6)10 (5.4) | 93.3 (26.7)93.3 76.7 (30) | 6.9 | **0.03\*** |
| **Education of study subjects**Up to middle schoolHigh school and intermediateGraduate and honors | 45 (24.1)86 (45.9)56 (30) | 80 (36.7)93.3 (20)93.3 (38.3) | 12.5 | **0.002\*** |
| **Occupation of study subjects**UnskilledSkilledHomemaker | 11 (5.9)76 (40.6)100 (53.5) | 86.7 (40)93.3 (26.7)93.3 (26.7) | 0.1 | 0.9 |
| **Type of family**NuclearJoint Three generation | 100 (53.5)73 (39)14 (7.5) | 93.3 (20)86.7 (26.7)66.7 (55) | 6.6 | **0.03\*** |
| **Ownership of House**Own houseRented house | 132 (70.6)55 (29.4) | 93.3 (20)86.7 (40) | 3320 | 0.3 |
| **Income** <3000030000-60000>60000 | 72 (38.5)87 (46.5)28 (15) | 86.7 (33.3)93.3 (20)86.7 (31.7) | 3.3 | 0.2 |
| **SES**Lower and upper lowerLower middleUpper and upper middle | 37 (19.8)87 (46.5)63 (33.7) | 80 (33.3)93.3 (20)93.3 (33.3) | 4.2 | 0.1 |

# *Kruskal Wallis test is done to find the association for sociodemographic variables with PF except for gender and ownership of house where Mann Whitney U test is applied.*

**Table 8: Post hoc analysis to identify the significant groups associated with Physical Functioning**

Pairwise comparison by Dunn’s test

Dependent variable: Physical functioning

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Independent Variables**  | **Groups** | **Test statistic** | **Std error** | **Std test statistic** | **Significance** | **Adjusted sig.** |
| **Age (years)**1.<40 2.40-603.>60 | 3-1 | 15.7 | 15.1 | 1 | 0.3 | 0.9 |
| 3-2 | 27.2 | 8.4 | 3.2 | **0.001\*** | **0.004\*** |
| 1-2 | -11.5 | 14.5 | -0.8 | 0.4 | 1 |
| **Marital status**1. Married2. Unmarried3. Widowed/Divorced/Separated | 3-2 | 43.6 | 34.6 | 1.3 | 0.2 | 0.6 |
| 3-1 | 44.7 | 17.1 | 2.6 | **0.009\*** | **0.02\*** |
| 2-1 | 1.1 | 30.6 | 0.03 | 0.9 | 1 |
| **Education**1. Upto middle school2. High school and intermediate3. Graduate & Honours | 1-3 | -22.6 | 10.5 | -2.2 | **0.03\*** | 0.09 |
| 1-2 | -34.1 | 9.7 | -3.5 | **<0.001\*** | **0.001\*** |
| 3-2 | 11.5 | 9 | 1.3 | 0.2 | 0.6 |
| **Type of family**1. Nuclear family2. Joint family3. Three-generation family | 3-2 | 31.8 | 15.3 | 2.1 | **0.03\*** | 0.1 |
| 3-1 | 38.5 | 15 | 2.6 | **0.01\*** | **0.03\*** |
| 2-1 | 6.7 | 8.1 | 0.8 | 0.4 | 1 |

**Table 9: Association of Role Functioning with Sociodemographic factors**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Independent Variables** | **n (%)** | **Median (IQR)** | **Test statistic** | **P value** |
| **Age (in years)**<40 40-60>60 | 15 (8)111 (59.4)61 (32.6) | 100 (16.7)100 (16.7)100 (16.7) | 0.6 | 0.7 |
| **Gender**MaleFemale | 69 (37)118 (63) | 100 (25)100 (16.7) | 4435.5 | 0.1 |
| **Caste**GeneralOBC/SEBCSC/ST | 138 (73.8)34 (18.2)15 (8) | 100 (16.7)100 (16.7)100 (33.3) | 1.4 | 0.4 |
| **Marital status**MarriedUnmarriedWidowed/divorced/separated | 174 (93)3 (1.6)10 (5.4) | 100 (16.7)100 91.7 (41.7) | 2.5 | 0.3 |
| **Education of study subjects**Up to middle schoolHigh school and intermediateGraduate and honors | 45 (24.1)86 (45.9)56 (30) | 100 (33.3)100 (0)100(16.7) | 5.6 | 0.06 |
| **Occupation of study subjects**UnskilledSkilledHomemaker | 11 (5.9)76 (40.6)100 (53.5) | 100 (33.3)100 (16.7)100 (16.7) | 2 | 0.4 |
| **Type of family**NuclearJoint Three generation | 100 (53.5)73 (39)14 (7.5) | 100 (16.7)100 (8.3)83.3 (41.7) | 7.4 | **0.02\*** |
| **Ownership of House**Own houseRented house | 132 (70.6)55 (29.4) | 100 (16.7)100 (16.7) | 3316 | 0.2 |
| **Income** <3000030000-60000>60000 | 72 (38.5)87 (46.5)28 (15) | 100 (16.7)100 (0)100 (16.7) | 1.9 | 0.3 |
| **SES**Lower and upper lowerLower middleUpper and upper middle | 37 (19.8)87 (46.5)63 (33.7) | 100 (33.3)100 (0)100 (16.7) | 2.8 | 0.2 |

# *Kruskal Wallis test is done to find the association for sociodemographic variables with RF except for gender and ownership of house where Mann Whitney U test is applied.*

**Table 10: Post hoc analysis to identify the significant groups associated with Role Functioning**

Pairwise comparison by Dunn’s test

Dependent variable: Role functioning

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Independent variable**  | **Groups** | **Test statistic** | **Std error** | **Std test statistic** | **Significance** | **Adjusted sig.** |
| **Type of family**1. Nuclear family2. Joint family3. Three-generation family | 3-1 | 30.6 | 12.3 | 2.5 | **0.01\*** | **0.03\*** |
| 3-2 | 33.9 | 12.5 | 2.7 | **0.007\*** | **0.02\*** |
| 1-2 | -3.3 | 6.6 | -0.5 | 0.6 | 1 |

**Table 11: Association of Emotional Functioning with Sociodemographic factors**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Independent Variables** | **n (%)** | **Median (IQR)** | **Test statistic** | **P value** |
| **Age (in years)**<40 40-60>60 | 15 (8)111 (59.4)61 (32.6) | 91.7 (25)91.7 (25)83.3 (25) | 0.04 | 0.9 |
| **Gender**MaleFemale | 69 (37)118 (63) | 83.3 (25)91.7 (25) | 4613.5 | 0.1 |
| **Caste**GeneralOBC/SEBCSC/ST | 138 (73.8)34 (18.2)15 (8) | 91.7 (25)91.7 (25)75 (25) | 0.7 | 0.6 |
| **Marital status**MarriedUnmarriedWidowed/divorced/separated | 174 (93)3 (1.6)10 (5.4) | 91.7 (25)83.3 (25)83.3 (25) | 4.7 | 0.09 |
| **Education of study subjects**Up to middle schoolHigh school and intermediateGraduate and honors | 45 (24.1)86 (45.9)56 (30) | 83.3 (29.2)91.7 (25)91.7 (25) | 3.5 | 0.1 |
| **Occupation of study subjects**UnskilledSkilledHomemaker | 11 (5.9)76 (40.6)100 (53.5) | 83.3 (41.7)91.7 (25)91.7 (25) | 2.1 | 0.3 |
| **Type of family**NuclearJoint Three generation | 100 (53.5)73 (39)14 (7.5) | 91.7 (25)91.7 (25)95.8 (39.6) | 0.4 | 0.8 |
| **Ownership of House**Own houseRented house | 132 (70.6)55 (29.4) | 91.7 (25)83.3 (25) | 3237.5 | 0.2 |
| **Income** <3000030000-60000>60000 | 72 (38.5)87 (46.5)28 (15) | 87.5 (25)91.7 (25)91.7 (22.9) | 1.9 | 0.3 |
| **SES**Lower and upper lowerLower middleUpper and upper middle | 37 (19.8)87 (46.5)63 (33.7) | 91.7 (25)91.7 (25)91.7 (25) | 1.2 | 0.5 |

# *Kruskal Wallis test is done to find the association for sociodemographic variables with EF except for gender and ownership of house where Mann Whitney U test is applied.*

**Table 12: Association of Cognitive Functioning with Sociodemographic factors**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Independent Variables** | **n (%)** | **Median (IQR)** | **Test statistic** | **P value** |
| **Age (in years)**<40 40-60>60 | 15 (8)111 (59.4)61 (32.6) | 100 (0)100 (0)100 (0) | 1.6 | 0.4 |
| **Gender**MaleFemale | 69 (37)118 (63) | 100 (0)100 (0) | 4158.5 | 0.7 |
| **Caste**GeneralOBC/SEBCSC/ST | 138 (73.8)34 (18.2)15 (8) | 100 (0)100 (0)100 (16.7) | 2.2 | 0.3 |
| **Marital status**MarriedUnmarriedWidowed/divorced/separated | 174 (93)3 (1.6)10 (5.4) | 100 (0)100100 (33.3) | 1.7 | 0.4 |
| **Education of study subjects**Up to middle schoolHigh school and intermediateGraduate and honors | 45 (24.1)86 (45.9)56 (30) | 100 (0)100 (0)100 (0) | 0.7 | 0.6 |
| **Occupation of study subjects**UnskilledSkilledHomemaker | 11 (5.9)76 (40.6)100 (53.5) | 100 (16.7)100 (0)100 (0) | 0.9 | 0.6 |
| **Type of family**NuclearJoint Three generation | 100 (53.5)73 (39)14 (7.5) | 100 (0)100 (0)100 (0) | 0.2 | 0.8 |
| **Ownership of House**Own houseRented house | 132 (70.6)55 (29.4) | 100 (0)100 (0) | 3415.5 | 0.3 |
| **Income** <3000030000-60000>60000 | 72 (38.5)87 (46.5)28 (15) | 100 (0)100 (0)100 (0) | 1 | 0.5 |
| **SES**Lower and upper lowerLower middleUpper and upper middle | 37 (19.8)87 (46.5)63 (33.7) | 100 (0)100 (0)100 (0) | 0.6 | 0.7 |

# *Kruskal Wallis test is done to find the association for sociodemographic variables with CF except for gender and ownership of house where Mann Whitney U test is applied.*

**Table 13: Association of Social Functioning with sociodemographic factors**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Independent Variables** | **n (%)** | **Median (IQR)** | **Test statistic** | **P value** |
| **Age (in years)**<40 40-60>60 | 15 (8)111 (59.4)61 (32.6) | 50 (16.7)66.7 (16.7)66.7 (33.3) | 1.5 | 0.4 |
| **Gender**MaleFemale | 69 (37)118 (63) | 50 (33.3)66.7 (16.7) | 4389.5 | 0.3 |
| **Caste**GeneralOBC/SEBCSC/ST | 138 (73.8)34 (18.2)15 (8) | 66.7 (20.8)50 (16.7)50 (33.3) | 0.7 | 0.6 |
| **Marital status**MarriedUnmarriedWidowed/divorced/separated | 174 (93)3 (1.6)10 (5.4) | 66.7 (16.7)66.750 (50) | 2.8 | 0.2 |
| **Education of study subjects**Up to middle schoolHigh school and intermediateGraduate and honors | 45 (24.1)86 (45.9)56 (30) | 50 (33.3)66.7 (16.7)66.7 (33.3) | 4.7 | 0.09 |
| **Occupation of study subjects**UnskilledSkilledHomemaker | 11 (5.9)76 (40.6)100 (53.5) | 66.7 (33.3)50 (33.3)66.7 (16.7) | 2.4 | 0.3 |
| **Type of family**NuclearJoint Three generation | 100 (53.5)73 (39)14 (7.5) | 50 (16.7)66.7 (16.7)50 (37.5) | 2.3 | 0.3 |
| **Ownership of House**Own houseRented house | 132 (70.6)55 (29.4) | 66.7 (16.7)50 (16.7) | 3492.5 | 0.6 |
| **Income** <3000030000-60000>60000 | 72 (38.5)87 (46.5)28 (15) | 50 (29.2)66.7 (16.7)66.7 (16.7) | 3.6 | 0.1 |
| **SES**Lower and upper lowerLower middleUpper and upper middle | 37 (19.8)87 (46.5)63 (33.7) | 50 (33.3)66.7 (16.7)66.7 (16.7) | 1.3 | 0.5 |

# *Kruskal Wallis test is done to find the association for sociodemographic variables with PF except for gender and ownership of house where Mann Whitney U test is applied.*

**Table 14: Association of clinical profile and health insurance availability with Global Health Status of the study participants (N=187)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Independent Variables** | **N (%)** | **Mean (SD)** | **P value** |
| **Type of cancer**Gastrointestinal cancerBreast cancerGenitourinary cancerHead and neck cancer Lung cancer | 58 (31)56 (30)37 (20)26 (14)10 (5) | 54.2 (16.3)60.7 (16.5)59.5 (15.6)59 (20.3)59.2 (22) | 0.3 |
| **Stage of cancer at diagnosis**Stage 1Stage 2 Stage 3Stage 4 | 16 (8)67 (36)63 (34)41 (22) | 67.2 (15.9)61.7 (13.6)57.9 (15.7)49 (21.2) | **<0.001\*** |
| **Treatment modality**Chemotherapy onlySurgery onlyRadiotherapy onlyChemotherapy + RadiotherapySurgery + ChemotherapySurgery + RadiotherapySurgery + Chemotherapy + Radiotherapy | 54 (29)19 (10.2)4 (2.1)24 (12.8)42 (22.4)7 (3.7)37 (19.8) | 53.7 (14.9)61 (19.1)62.5 (32.3)63.2 (17)57.5 (16.2)69 (10.4)57.9 (18.7) | 0.1 |
| **Comorbidity** YesNo | 100 (53.5)87 (46.5) | 60.1 (16.5)55.7 (17.7) | 0.07 |
| **Health insurance availability**YesNo | 82 (44)105 (56) | 60.5 (14.5)55.1 (19.8) | **0.03\*** |

# *ANOVA test is done to find the association except for health insurance availability, where an independent t-test is applied.*

**Table 15: Post hoc analysis to identify significant groups among the stages of cancer associated with Global Health Status**

Multiple comparisons by Bonferroni

Dependent variable: Global Health Status

Independent variable: Stage of cancer

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Cancer stage (I)** | **Cancer stage (J)** | **Mean difference (I-J)** | **Std error** | **Sig.** | **95%CI** |
| Lower bound | Upper bound |
| Stage 1 | Stage 2 | 5.5 | 4.5 | 1 | -6.7 | 17.7 |
| Stage 3 | 9.2 | 4.6 | 0.2 | -3.0 | 21.5 |
| Stage 4 | 18.2 | 4.8 | **0.001\*** | 5.3 | 31.1 |
| Stage 2 | Stage 1 | -5.5 | 4.5 | 1 | -17.7 | 6.7 |
| Stage 3 | 3.7 | 2.9 | 1 | -3.9 | 11.4 |
| Stage 4 | 12.7 | 3.3 | **0.001\*** | 4 | 21.4 |
| Stage 3 | Stage 1 | -9.2 | 4.6 | 0.3 | -21.5 | 3 |
| Stage 2 | -3.7 | 2.9 | 1 | -11.4 | 3.9 |
| Stage 4 | 8.9 | 3.3 | **0.04\*** | 0.2 | 17.7 |
| Stage 4 | Stage 1 | -18.2 | 4.8 | **0.001\*** | -31.1 | -5.3 |
| Stage 2 | -12.7 | 3.3 | **0.001\*** | -21.4 | -4 |
| Stage 3 | -8.9 | 3.3 | **0.04\*** | -17.7 | -0.2 |

**Table 16: Association of financial difficulty with the Global Health Status (N=187)**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **n (%)** | **Mean (SD)** | **P value** |
| **Financial difficulty**YesNo | 181 (96.8)6 (3.2) | 57.5 (17)76.4 (11.1) | **0.008\*** |

# *An independent t-test was applied to see the association between financial difficulty and GHS*

**Table 17: Association of financial difficulty with Functional scales (N=187)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Financial difficulty** | **n (%)** | **Mean rank** | **Test statistic** | **P value** |
| **Physical functioning** |
| Yes | 181 (96.8) | 92.3 | 845.5 | **0.017\*** |
| No | 6 (3.2) | 144.4 |
| **Role functioning** |
| Yes  | 181 (96.8) | 93.1 | 702 | 0.12 |
| No | 6 (3.2) | 120.5 |
| **Emotional functioning** |
| Yes | 181 (96.8) | 92.4 | 835 | **0.02\*** |
| No | 6 (3.2) | 142.7 |
| **Cognitive functioning**  |
| Yes | 181 (96.8) | 93.4 | 642 | 0.25 |
| No | 6 (3.2) | 110.5 |
| **Social functioning** |
| Yes | 181 (96.8) | 92.1 | 889.5 | **0.006\*** |
| No | 6 (3.2) | 151.7 |

# *Association between financial difficulty and the functional scales was seen by Mann Whitney U test*