Supplementary Table 1. The number of patients by anchor categories and corresponding mean change in QOL scores

| Anchor Scale | 2 months | 4 months | 6 months |
|--------------|----------|----------|----------|
|              | Imp      | Stable   | Det      | Imp      | Stable   | Det      | Imp      | Stable   | Det      |
| Function     |          |          |          |          |          |          |          |          |          |
| N of patients|          |          |          |          |          |          |          |          |          |
|              | 12       | 57–59    | 24–26    | 13       | 52–54    | 21–22    | 6–7      | 50–52    | 14–15    |
| QL           | 22.2     | -0.3     | -5.8     | 7.7      | 0.6      | -1.9     | 4.8      | 5.8      | -12.8    |
| PF           | 10.0     | 2.6      | -5.6     | 10.0     | 2.2      | -4.6     | 1.9      | 3.5      | -9.6     |
| RF           | 6.9      | 0.0      | -10.3    | 1.3      | -3.1     | -3.0     | -2.4     | 1.3      | -18.9    |
| EF           | 2.8      | 11.3     | 11.2     | 11.1     | 9.9      | 6.8      | 6.0      | 10.9     | 0.2      |
| CF           | 1.4      | 5.6      | 5.1      | 5.1      | 1.9      | -0.8     | -4.8     | 4.5      | -11.1    |
| SF           | 2.8      | 3.4      | 5.1      | 9.0      | 2.2      | 0.8      | -9.5     | 4.2      | -11.1    |
| FA           | -5.6     | -0.9     | 5.1      | -6.8     | 0.0      | 8.1      | 0.0      | -6.0     | 5.9      |
| NV           | -11.1    | 0.8      | 3.2      | 7.7      | 0.6      | -4.5     | 16.7     | -4.6     | 6.7      |
| PA           | -8.3     | -4.2     | 1.9      | -1.3     | -4.0     | -0.8     | 0.0      | -9.9     | -3.3     |
| DY           | -8.3     | -3.4     | 5.1      | 0.0      | -2.5     | 0.0      | 0.0      | -5.8     | 11.1     |
| SL           | -16.7    | -10.3    | -8.0     | -10.3    | -14.2    | 1.6      | 0.0      | -7.7     | 15.6     |
| AP           | -8.3     | 1.7      | 7.7      | 7.7      | -0.6     | 1.5      | 9.5      | -8.3     | 4.4      |
| CO           | -5.6     | 3.4      | 5.1      | -2.6     | 3.1      | 10.6     | 4.8      | -0.6     | 6.7      |
| DI           | 11.1     | 5.6      | 3.8      | 10.3     | 5.6      | 3.2      | 4.8      | 5.2      | -6.7     |
| FI           | -13.9    | 0.0      | -18.1    | -20.5    | -7.1     | 3.0      | 14.3     | -2.7     | -9.5     |

Concern

| N of patients | 21–23 | 59–62 | 23 | 20–21 | 44–45 | 18–19 | 17 | 52–55 | 14 |
|---------------|-------|-------|----|-------|-------|-------|----|-------|----|
| QL            | 9.1   | 1.5   | -4.0 | 8.7 | 0.6   | -1.8 | 14.2 | 3.0   | -6.0 |
| PF            | -1.5  | 3.0   | -0.3 | 5.1 | 1.6   | -7.0 | 7.1  | 3.6   | -5.5 |
| RF            | -0.7  | -1.1  | -2.9 | 0.0 | -1.9  | -7.0 | 19.6 | -1.5  | -16.7 |
| EF            | 10.5  | 7.3   | 9.1 | 13.1 | 11.7  | 3.5  | 19.3 | 7.7   | 0.6  |
| CF            | -2.2  | 3.0   | 10.9 | -2.4 | 4.8   | -3.5 | 7.8  | 0.0   | 1.2  |
| SF            | 3.6   | 2.2   | 7.2 | 12.7 | 2.6   | -9.6 | 6.9  | 3.1   | -10.7 |
|   | FA   | NV   | PA   | DY   | SL   | AP   | CO   | DI   | FI   |
|---|------|------|------|------|------|------|------|------|------|
|   | -1.9 | 4.3  | -5.1 | -1.4 | -13.0| -1.4 | -5.8 | 10.1 | -3.2 |
|   | -2.7 | 1.3  | -3.8 | -0.5 | -8.7 | 2.2  | 3.8  | 2.2  | -7.3 |
|   | 0.5  | -5.1 | -1.4 | -4.3 | -13.6| 0.0  | 4.3  | 5.8  | -5.8 |
|   | -5.8 | 1.6  | -7.9 | -4.8 | -9.5 | 2.2  | 7.9  | 7.9  | -14.3|
|   | -0.9 | 2.6  | -3.3 | -3.7 | -14.1| 0.0  | -1.7 | 3.7  | -5.8 |
|   | 5.8  | -1.8 | 7.9  | -3.5 | 0.0  | 12.3 | 5.3  | 17.5 | -6.8 |
|   | -15.7| -7.8 | -21.6| -19.6| -15.7| -7.8 | 7.8  | -3.9 | -5.9 |
|   | -4.2 | -3.1 | -21.6| 1.8  | -6.8 | -2.4 | 0.6  | 7.4  | -8.3 |
|   | 1.6  | 4.8  | -5.8 | 0.0  | 0.0  | 2.4  | 2.4  | 7.1  | -2.4 |

**Global Health**

| N of patients | 22–23 | 30–31 | 20–22 | 41–42 | 25–26 | 18 | 37–39 | 25–26 |
|---|------|------|------|------|------|----|------|------|
| QL | 7.6  | 3.8  | -8.1 | 6.4  | 3.8  | -6.7| 13.4 | 1.3  | -4.2 |
| PF | 8.0  | 1.8  | -4.1 | 6.9  | -0.4 | -1.8| 8.1  | 0.2  | 1.2  |
| RF | 5.1  | 3.5  | -13.4| 6.8  | -3.2 | -8.3| 13.0 | -6.0 | -6.4 |
| EF | 6.5  | 12.1 | 7.0  | 17.3 | 11.2 | 4.8 | 13.4 | 7.9  | 4.6  |
| CF | 1.4  | 4.1  | 4.3  | -3.0 | 3.2  | 3.2 | 1.9  | 5.1  | -2.6 |
| SF | 15.9 | 5.3  | -2.7 | 2.4  | 1.6  | 5.1 | 11.1 | 3.8  | -7.1 |
| FA | -7.7 | -3.5 | 5.7  | -3.3 | -2.2 | 4.7 | -9.9 | -1.6 | -4.3 |
| NV | -5.8 | 1.5  | 8.6  | 0.8  | -0.8 | 3.2 | -9.3 | -1.3 | 1.9  |
| PA | -11.6| -3.2 | 2.7  | -8.3 | -6.0 | 5.8 | -19.4| -5.1 | -7.1 |
| DY | -14.5| -1.2 | 2.2  | 0.0  | -3.2 | -3.8| -5.6 | -2.6 | 0.0  |
| SL | 0.0  | -12.5| -8.9 | -13.6| -6.3 | -4.0| -20.4| 0.0  | -2.7 |
| AP | -10.1| -0.6 | 17.2 | -4.5 | 0.8  | 12.8| -5.6 | -3.4 | 5.1  |
| CO | 0.0  | 1.8  | 4.3  | -3.0 | 4.9  | 11.5| -3.7 | 0.9  | -2.6 |
| DI | 1.4  | 5.3  | 6.5  | 14.3 | 3.2  | 5.1 | -1.9 | 2.6  | 6.4  |
| FI | -15.2| -4.4 | -10.8| -6.7 | -5.7 | -11.5| -14.8| -6.3 | -2.6 |

**Change in Performance Status**

| N of patients | 7 | 103–104 | 14–17 | 6 | 96–98 | 14–15 | 7 | 79–81 | 20 |
|---|---|---------|------|---|------|------|---|------|---|
|   |   |   |   |   |   |   |   |   |   |
|     | n  | n  | n  | n  | n  | n  | n  | n  | n  |
|-----|----|----|----|----|----|----|----|----|----|
| QL  | 31.0 | 1.7 | 8.8 | 29.2 | 3.3 | 0.0 | 23.8 | 4.5 | -4.6 |
| PF  | 12.4 | 1.2 | 1.5 | -4.4 | 2.3 | -2.7 | 8.6 | 3.3 | -6.0 |
| RF  | -2.4 | -1.1 | -3.9 | -2.8 | -0.9 | -2.2 | 11.9 | 2.7 | -11.7 |
| EF  | 19.0 | 8.8 | 15.7 | 19.4 | 11.4 | 15.0 | 6.0 | 9.1 | 3.5 |
| CF  | 0.0  | 3.7 | 2.9 | 8.3  | 3.1 | 0.0  | -2.4 | 2.7 | -5.8 |
| SF  | 11.9 | 3.2 | 12.7 | 8.3  | 4.6 | -1.1 | 0.0  | 4.4 | -7.5 |
| FA  | -9.5 | -1.6 | 0.0  | 5.6  | -3.5 | 2.2  | -11.1 | -4.4 | -0.6 |
| NV  | 0.0  | 3.9 | -12.7 | 8.3  | -0.7 | 0.0  | 9.5  | -3.3 | -0.8 |
| PA  | -23.8 | -5.3 | 1.0  | -2.8 | -7.8 | 2.2  | -2.4 | -12.3 | -5.0 |
| DY  | -19.0 | -1.0 | -5.9 | 5.6  | -6.1 | 0.0  | 0.0  | 0.0  | -2.1 |
| SL  | -9.5 | -9.2 | -13.7 | -16.7 | -8.5 | -11.9 | -9.5 | -7.5 | 5.0 |
| AP  | -19.0 | 3.6 | -5.9 | -5.6 | 1.7 | -8.9 | -14.3 | -1.2 | -3.3 |
| CO  | 4.8  | 2.2 | 2.0  | 0.0  | 3.1 | 23.8 | -23.8 | 0.4 | 20.0 |
| DI  | 0.0  | 6.7 | 3.9  | 5.6  | 5.8 | 4.4  | 23.8 | 4.1 | 0.0 |
| FI  | 4.8  | -5.5 | -4.8 | -5.6 | -8.0 | -4.4 | 14.3 | -6.3 | -6.7 |

Legend for Supplementary Table 1:
Because the number of patients varied by QOL scale and anchor, we present n as a range for all scales and anchors.
Imp, minimally improved; Det, minimally deteriorated; QL, global quality of life; PF, physical function; RF, role function; EF, emotional function; CF, cognitive function; SF, social function; FA, fatigue; NV, nausea and vomiting; PA, pain; DY, dyspnea; SL, insomnia; AP, appetite loss; CO, constipation; DI, diarrhea; FI, financial problems.
Supplementary Table 2. Correlation coefficients of absolute, change, and baseline scores with anchors

| Months | Anchor | Scale | n  | Absolute score | Change score | Baseline score |
|--------|--------|-------|----|----------------|--------------|----------------|
|        |        |       |    | Pe  Sp  Pc  Ps | Pe  Sp  Pc  Ps | Pe  Sp  Pc  Ps |
| 2      | Function |       |    |                |              |                |
| QL     | 130    | -0.32 | -0.33 | -0.38 | -0.37 | -0.39 | -0.39 | -0.38 | 0.13 | 0.08 | 0.09 | 0.10 |
| PF     | 129    | -0.16 | -0.16 | -0.19 | -0.21 | -0.30 | -0.40 | -0.38 | -0.33 | 0.08 | 0.13 | 0.10 | 0.07 |
| RF     | 129    | -0.11 | -0.13 | -0.17 | -0.17 | -0.27 | -0.25 | -0.31 | -0.31 | 0.12 | 0.06 | 0.07 | 0.11 |
| SF     | 130    | 0.24  | 0.26  | 0.30  | 0.31  | 0.33  | 0.30  | 0.34  | 0.34  | -0.04 | 0.05 | 0.02 | 0.00 |
| FA     | 129    | 0.11  | 0.13  | 0.16  | 0.15  | 0.31  | 0.29  | 0.35  | 0.33  | -0.17 | -0.12 | -0.17 | -0.16 |
| DY     | 128    | 0.35  | 0.33  | 0.43  | 0.41  | 0.34  | 0.37  | 0.39  | 0.37  | -0.08 | -0.07 | -0.08 | -0.06 |
| AP     | 128    | 0.24  | 0.26  | 0.30  | 0.31  | 0.33  | 0.30  | 0.34  | 0.34  | -0.04 | 0.05 | 0.02 | 0.00 |
|        | Concern |       |    |                |              |                |
| QL     | 131    | -0.30 | -0.27 | -0.32 | -0.32 | -0.33 | -0.32 | 0.22  | 0.14  | 0.20 | 0.21 |
| Global Health |       |    |                |              |                |
| QL     | 131    | -0.32 | -0.33 | -0.34 | -0.34 | -0.45 | -0.40 | -0.46 | -0.46 | 0.01 | -0.01 | -0.01 | 0.00 |
| PF     | 130    | -0.07 | -0.12 | -0.11 | -0.11 | -0.32 | -0.39 | -0.38 | -0.34 | 0.03 | 0.10 | 0.04 | 0.02 |
| RF     | 130    | -0.03 | -0.10 | -0.08 | -0.07 | -0.26 | -0.25 | -0.29 | -0.30 | 0.04 | 0.09 | 0.05 | 0.03 |
| SF     | 131    | 0.11  | 0.19  | 0.18  | 0.16  | 0.31  | 0.34  | 0.37  | 0.34  | 0.01 | 0.03 | 0.04 | 0.03 |
| FA     | 130    | 0.11  | 0.13  | 0.14  | 0.12  | 0.24  | 0.28  | 0.31  | 0.26  | -0.04 | -0.07 | -0.08 | -0.04 |
| NV     | 130    | 0.05  | 0.10  | 0.09  | 0.08  | 0.35  | 0.30  | 0.35  | 0.35  | -0.10 | -0.15 | -0.13 | -0.10 |
| PA     | 131    | 0.18  | 0.22  | 0.23  | 0.21  | 0.31  | 0.37  | 0.36  | 0.34  | -0.04 | -0.05 | -0.04 | -0.03 |
| DY     | 129    | 0.00  | 0.03  | 0.03  | 0.03  | 0.30  | 0.25  | 0.33  | 0.33  | -0.05 | -0.04 | -0.04 | -0.03 |
| AP     | 129    | 0.18  | 0.22  | 0.23  | 0.21  | 0.31  | 0.37  | 0.36  | 0.34  | -0.04 | -0.05 | -0.04 | -0.03 |

4 | Function |       |    |                |              |                |
| QL     | 121    | -0.49 | -0.45 | -0.56 | -0.53 | -0.39 | -0.36 | -0.40 | -0.40 | -0.10 | -0.10 | -0.14 | -0.13 |
| PF     | 121    | -0.45 | -0.31 | -0.44 | -0.50 | -0.37 | -0.38 | -0.42 | -0.41 | -0.15 | -0.07 | -0.13 | -0.15 |
| EF     | 121    | -0.35 | -0.29 | -0.36 | -0.39 | -0.32 | -0.31 | -0.34 | -0.32 | 0.02  | 0.03  | 0.01  | 0.00  |
| SF     | 120    | -0.50 | -0.43 | -0.55 | -0.55 | -0.32 | -0.30 | -0.36 | -0.34 | -0.13 | -0.15 | -0.17 | -0.15 |
|        | FA    | 121  | 0.44 | 0.37 | 0.48 | 0.50 | 0.46 | 0.44 | 0.49 | 0.48 | 0.01 | 0.03 | 0.06 | 0.04 |
|--------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Concern | PA    | 121  | 0.32 | 0.24 | 0.34 | 0.35 | 0.31 | 0.31 | 0.34 | 0.32 | 0.02 | -0.06 | -0.02 | 0.04 |
|        | QL    | 120  | -0.48 | -0.45 | -0.52 | -0.51 | -0.35 | -0.34 | -0.36 | -0.36 | -0.14 | -0.12 | -0.16 | -0.15 |
|        | SF    | 120  | -0.53 | -0.48 | -0.58 | -0.57 | -0.35 | -0.35 | -0.40 | -0.37 | -0.12 | -0.10 | -0.14 | -0.13 |
|        | PA    | 120  | 0.39 | 0.33 | 0.41 | 0.42 | 0.27 | 0.31 | 0.29 | 0.27 | 0.12 | -0.03 | 0.06 | 0.13 |
| Global Health | QL    | 120  | -0.49 | -0.45 | -0.53 | -0.52 | -0.31 | -0.31 | -0.33 | -0.32 | -0.19 | -0.16 | -0.21 | -0.20 |
|        | PF    | 120  | -0.32 | -0.20 | -0.31 | -0.35 | -0.29 | -0.29 | -0.31 | -0.29 | -0.10 | -0.01 | -0.11 | -0.10 |
|        | PA    | 120  | 0.25 | 0.18 | 0.25 | 0.27 | 0.28 | 0.31 | 0.31 | 0.29 | -0.01 | -0.12 | -0.06 | -0.02 |
| Change in Performance Status | QL    | 121  | -0.23 | -0.17 | -0.26 | -0.25 | -0.31 | -0.27 | -0.38 | -0.36 | 0.06 | 0.07 | 0.10 | 0.10 |
|        |       |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 6 Function | QL    | 107  | -0.38 | -0.38 | -0.48 | -0.46 | -0.32 | -0.23 | -0.32 | -0.36 | -0.01 | -0.03 | -0.03 | -0.03 |
|        | PF    | 107  | -0.31 | -0.22 | -0.34 | -0.40 | -0.39 | -0.34 | -0.42 | -0.44 | 0.05 | 0.06 | 0.03 | 0.02 |
|        | RF    | 107  | -0.35 | -0.31 | -0.46 | -0.45 | -0.37 | -0.38 | -0.44 | -0.41 | 0.03 | 0.06 | 0.02 | -0.02 |
|        | EF    | 107  | -0.23 | -0.12 | -0.24 | -0.30 | -0.30 | -0.22 | -0.29 | -0.34 | 0.12 | 0.13 | 0.11 | 0.10 |
|        | FA    | 107  | 0.29 | 0.26 | 0.37 | 0.39 | 0.30 | 0.26 | 0.33 | 0.34 | 0.01 | 0.03 | 0.05 | 0.06 |
|        | SL    | 106  | 0.23 | 0.19 | 0.32 | 0.33 | 0.32 | 0.34 | 0.41 | 0.36 | -0.12 | -0.08 | -0.07 | -0.08 |
| Concern | QL    | 111  | -0.41 | -0.39 | -0.44 | -0.44 | -0.28 | -0.25 | -0.29 | -0.30 | -0.08 | -0.08 | -0.08 | -0.08 |
|        | PF    | 111  | -0.39 | -0.26 | -0.37 | -0.41 | -0.30 | -0.30 | -0.32 | -0.34 | -0.11 | -0.01 | -0.07 | -0.10 |
|        | RF    | 111  | -0.41 | -0.35 | -0.45 | -0.45 | -0.29 | -0.35 | -0.36 | -0.34 | -0.09 | 0.02 | -0.04 | -0.08 |
|        | EF    | 111  | -0.40 | -0.26 | -0.38 | -0.42 | -0.43 | -0.39 | -0.46 | -0.46 | 0.11 | 0.11 | 0.11 | 0.13 |
|        | CF    | 111  | -0.22 | -0.16 | -0.21 | -0.23 | -0.20 | -0.14 | -0.21 | -0.21 | -0.01 | 0.03 | 0.01 | 0.00 |
|        | SF    | 110  | -0.50 | -0.41 | -0.57 | -0.53 | -0.32 | -0.25 | -0.33 | -0.34 | -0.12 | -0.12 | -0.13 | -0.12 |
| Global Health | QL    | 111  | -0.48 | -0.47 | -0.55 | -0.54 | -0.42 | -0.40 | -0.44 | -0.44 | 0.01 | 0.00 | -0.01 | -0.01 |
|        | PF    | 111  | -0.32 | -0.18 | -0.32 | -0.40 | -0.37 | -0.31 | -0.36 | -0.41 | 0.02 | 0.09 | 0.01 | -0.01 |
|     | RF    | EF    | SF    | FA    | PA    | SL    | AP    | Change in Performance Status |
|-----|-------|-------|-------|-------|-------|-------|-------|------------------------------|
| RF  | 111   | -0.39 | -0.33 | -0.45 | -0.46 | -0.42 | -0.41 | -0.45 | -0.44 | 0.05 | 0.13 | 0.08 | 0.01 |
| EF  | 111   | -0.27 | -0.16 | -0.28 | -0.32 | -0.40 | -0.35 | -0.42 | -0.44 | 0.19 | 0.16 | 0.17 | 0.19 |
| SF  | 110   | -0.39 | -0.33 | -0.46 | -0.46 | -0.33 | -0.29 | -0.35 | -0.36 | -0.02 | -0.01 | -0.04 | -0.03 |
| FA  | 111   | 0.30  | 0.24  | 0.33  | 0.36  | 0.30  | 0.24  | 0.30  | 0.33  | 0.02  | 0.03  | 0.02  | 0.05  |
| PA  | 110   | 0.40  | 0.27  | 0.42  | 0.47  | 0.35  | 0.33  | 0.37  | 0.36  | -0.03 | -0.10 | -0.06 | -0.01 |
| SL  | 110   | 0.23  | 0.15  | 0.25  | 0.26  | 0.29  | 0.29  | 0.33  | 0.31  | -0.09 | -0.11 | -0.09 | -0.08 |
| AP  | 111   | 0.35  | 0.29  | 0.41  | 0.40  | 0.31  | 0.30  | 0.34  | 0.33  | 0.02  | 0.03  | 0.04  | 0.04  |

**Legend for Supplementary Table 2:****

Pe, Pearson’s correlation coefficient; Sp, Spearman’s rank correlation coefficient; Pc, Polychoric correlation coefficient; Ps, Polyserial correlation coefficient; QL, global quality of life; PF, physical function; RF, role function; EF, emotional function; SF, social function; FA, fatigue; NV, nausea and vomiting; PA, pain; DY, dyspnea; SL, insomnia; AP, appetite loss; CO, constipation; DI, diarrhea
Supplementary Table 3. Estimated differences, p-values, and effect sizes in each pair of anchor and scale

| Months | Anchor | Scale | Improvement | Deterioration |
|--------|--------|-------|-------------|---------------|
|        |        |       | Estimate (95% CI) | P-value | Effect size | Estimate (95% CI) | P-value | Effect size |
| 2 Function | QL | No MID | -5.49 (-17.7, 6.74) | 0.375 | -0.22 |
| | PF | 7.37 (-1.76, 16.50) | 0.112 | 0.31 | -8.27 (-15.1, -1.48) | 0.018 | -0.35 |
| | RF | 6.94 (-7.03, 20.92) | 0.326 | 0.23 | -10.3 (-20.6, 0.13) | 0.053 | -0.34 |
| | SF | No MID | No MID |       |       |       |       |       |
| | FA | No MID | 6.07 (-3.36, 15.50) | 0.204 | 0.22 |
| | DY | No MID | 8.58 (-2.77, 19.92) | 0.018 | 0.28 |
| | AP | -10.1 (-32.9, 12.74) | 0.383 | -0.31 | No MID |       |       |
| Concern | QL | 7.58 (-5.72, 20.88) | 0.261 | 0.30 | -5.46 (-18.8, 7.83) | 0.417 | -0.21 |
| Global Health | QL | 6.23 (-1.09, 13.55) | 0.094 | 0.26 | -11.9 (-23.2, -0.58) | 0.040 | -0.47 |
| | PF | No MID | -5.90 (-12.5, 0.71) | 0.080 | 0.28 |
| | RF | No MID | -16.9 (-26.8, -7.09) | <.001 | -0.57 |
| | SF | 10.68 (-1.06, 22.42) | 0.074 | 0.38 | -5.15 (-14.6, 4.31) | 0.283 | -0.23 |
| | FA | -7.26 (-18.8, 4.32) | 0.217 | -0.33 | No MID |       |       |
| | NV | -8.38 (-17.8, 1.04) | 0.081 | -0.32 | -7.95 (-18.6, 2.65) | 0.140 | -0.29 |
| | PA | -13.3 (-25.1, -1.52) | 0.027 | -0.43 | 9.24 (0.04, 18.45) | 0.049 | 0.34 |
| | DY | No MID | 7.14 (-3.32, 17.60) | 0.179 | 0.32 |
| | AP | -9.55 (-27.6, 8.46) | 0.296 | -0.30 | 5.90 (-2.61, 14.42) | 0.172 | 0.22 |
| 4 Function | QL | 7.08 (-6.72, 20.87) | 0.311 | 0.28 | No MID |       |       |
| | PF | 7.78 (-0.91, 16.47) | 0.079 | 0.33 | -6.84 (-14.0, 0.27) | 0.059 | -0.29 |
| | EF | No MID | No MID |       |       |       |       |       |
| | SF | 6.77 (-7.66, 21.20) | 0.353 | 0.24 | No MID |       |       |
|       |       |       |       |       |
|-------|-------|-------|-------|-------|
| **FA** | -6.84 | -18.9 | 5.23  | 0.263 | -0.25 |
| **PA** | No MID |       |       |       |       |
| **Concern** |       |       |       |       |
| **QL** | 8.17  | -3.51 | 19.86 | 0.168 | 0.32  | No MID |
| **CF** | No MID |       |       |       |       | No MID |
| **SF** | 10.11 | -1.52 | 21.73 | 0.088 | 0.36  | **-12.2 (-24.3, -0.21)** |
| **PA** | No MID |       |       |       |       |       |
| **Global Health** |       |       |       |       |
| **QL** | No MID |       |       |       |       |
| **PF** | 7.29  | -0.31 | 14.89 | 0.060 | 0.31  |       |
| **PA** | No MID |       |       |       |       | **11.72 (1.50, 21.94)** |
| **Change in Performance Status** |       |       |       |       |
| **QL** | No MID |       |       |       |       |
| **6 Function** |       |       |       |       |
| **QL** | No MID |       |       |       |       | **-18.5 (-33.9, -3.21)** |
| **PF** | No MID |       |       |       |       | **-13.0 (-21.8, -4.19)** |
| **RF** | No MID |       |       |       |       | **-20.2 (-34.2, -6.10)** |
| **EF** | No MID |       |       |       |       | **-10.7 (-22.3, 0.86)** |
| **SL** | No MID |       |       |       |       | **23.25 (6.30, 40.20)** |
| **Concern** |       |       |       |       |
| **QL** | 11.19 | -4.12 | 26.49 | 0.150 | 0.44  | **-8.98 (-25.5, 7.53)** |
| **PF** | No MID |       |       |       |       | **-9.11 (-19.3, 1.03)** |
| **RF** | **21.12 (6.88, 35.37)** | **0.004** | **0.71** |       |       | **-15.2 (-30.5, 0.21)** |
| **EF** | **11.55 (0.39, 22.71)** | **0.043** | **0.53** |       |       | **-7.13 (-19.2, 4.91)** |
| **SF** | No MID |       |       |       |       | **-13.8 (-27.3, -0.29)** |
| **Global Health** |       |       |       |       |
| **QL** | 12.14 | -2.03 | 26.32 | 0.092 | 0.48  | **-5.45 (-18.0, 7.15)** |
| **PF** | 7.98  | -0.18 | 16.14 | 0.055 | 0.34  | No MID |

The above table represents various measurements and their respective confidence intervals with corresponding p-values and effect sizes.
| RF      | 18.95 (5.99, 31.90) | 0.005 | 0.63 | No MID |
|---------|---------------------|-------|------|--------|
| EF      | 5.52 (-6.11, 17.15) | 0.348 | 0.25 | No MID |
| SF      | 7.26 (-5.29, 19.82) | 0.253 | 0.26 | -10.9 (-22.1, 0.26) | 0.055 | -0.39 |
| FA      | -8.31 (-19.7, 3.12) | 0.152 | -0.30 | No MID |
| PA      | -14.3 (-26.5, -2.12) | 0.022 | -0.54 | No MID |
| SL      | -20.4 (-36.6, -4.15) | 0.014 | -0.67 | No MID |
| AP      | No MID | 8.55 (-7.55, 24.64) | 0.294 | 0.27 |

Change in Performance Status

| PF      | 5.32 (-8.77, 19.41) | 0.456 | 0.27 | -9.25 (-18.2, -0.32) | 0.042 | -0.46 |
|---------|---------------------|-------|------|----------------------|-------|------|
| RF      | 9.23 (-12.1, 30.51) | 0.392 | 0.35 | -14.3 (-27.8, -0.85) | 0.037 | -0.55 |
| CO      | No MID | No MID | No MID |
| DI      | No MID | -4.12 (-15.3, 7.07) | 0.467 | -0.21 |

All Function

| QL      | 11.22 (3.69, 18.75) | 0.004 | 0.44 | -5.76 (-13.8, 2.32) | 0.162 | -0.23 |
|---------|---------------------|-------|------|---------------------|-------|------|
| PF      | 4.83 (-0.37, 10.03) | 0.069 | 0.21 | No MID |
| RF      | No MID | -8.38 (-16.2, -0.61) | 0.034 | -0.28 |

Concern

| QL      | No MID | -7.72 (-14.5, -0.93) | 0.026 | -0.30 |
|---------|--------|----------------------|-------|------|
| EF      | No MID | -5.25 (-10.1, -0.36) | 0.035 | -0.24 |

Global Health

| QL      | No MID | -10.4 (-16.7, -4.00) | 0.001 | -0.41 |
|---------|--------|----------------------|-------|------|
| PF      | 4.84 (0.77, 8.91) | 0.020 | 0.21 | No MID |
| RF      | 6.77 (1.25, 12.29) | 0.016 | 0.23 | -6.30 (-12.2, -0.36) | 0.038 | -0.21 |
| SF      | No MID | -7.32 (-12.5, -2.12) | 0.006 | -0.26 |
| FA      | No MID | 6.59 (2.30, 10.88) | 0.003 | 0.24 |
| PA      | -6.69 (-12.4, -0.99) | 0.021 | -0.25 | No MID |

Legend for Supplementary Table 3:
The mean change method was applied for months 2, 4, and 6; the GEE method was applied for overall timepoints. Estimates with P < 0.05 are shown in **bold**.
QL, global quality of life; PF, physical function; RF, role function; EF, emotional function; SF, social function; FA, fatigue; NV, nausea and vomiting; PA, pain; DY, dyspnea; SL, insomnia; AP, appetite loss; CO, constipation; DI, diarrhea