**Supplemental Table 1. Study data**

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| --- | --- | --- | --- | --- | --- |
| Outcome | Choice  (Mean (95% CI)) | No Choice  (Mean (95% CI)) | White Board  (Mean (95% CI)) | Artwork vs. no artwork p-value | Choice vs. no choice p-value |
| Anxiety score at discharge\* | 37.32 (35.28-39.36) | 37.78 (35.66-39.90) | 37.27 (34.58-39.96) | 0.86 | 0.76 |
| Length of stay\*\* | 6.0 (4.0, 12.0) | 6.0 (5.0, 9.5) | 9.5 (5.0, 20.0) | 0.05 | 0.93 |
| Pain\*\*\* | 2.02 (1.49-2.55) | 1.67 (1.13-2.20) | 1.90 (1.23-2.57) | 0.89 | 0.37 |
| Room assessment  Interesting/Boring  Cheerful/Gloomy  Fresh air/Stale air  Uncrowded/Crowded  Colorful/Drab-dull  Calming/Hectic  Pleasant/Unpleasant  Quiet/Noisy  Spacious/Confined  Attractive/Ugly  Safe/Frightening  Comfortable/Uncomfortable  Still/Drafty  Neat/Messy  Uninvasive/Invasive  Ornate/Plain  Tasteful/Tacky  Satisfied/Unsatisfied | 3.42 (3.15, 3.69)  3.79 (3.54, 4.04)  3.93 (3.67, 4.19)  3.31 (2.97, 3.64)  3.18 (2.88, 3.47)  3.77 (3.51, 4.03)  3.92 (3.68, 4.15)  3.38 (3.05, 3.72)  2.79 (2.48, 3.11)  3.54 (3.31, 3.77)  4.28 (4.01, 4.55)  3.92 (3.65, 4.19)  3.71 (3.44, 3.97)  3.91 (3.62, 4.19)  3.82 (3.57, 4.08)  2.85 (2.60, 3.10)  3.76 (3.52, 4.00)  8.45 (8.06, 8.84) | 3.26 (3.03, 3.50)  3.74 (3.48, 4.00)  3.62 (3.34, 3.91)  3.45 (3.17, 3.73)  3.32 (3.03, 3.61)  3.67 (3.41, 3.92)  4.00 (3.77, 4.23)  3.72 (3.41, 4.04)  3.19 (2.91, 3.47)  3.62 (3.40, 3.85)  4.35 (4.08, 4.61)  4.09 (3.83, 4.35)  3.81 (3.60, 4.02)  4.15 (3.92, 4.38)  3.86 (3.62, 4.09)  2.68 (2.44, 2.92)  3.70 (3.45, 3.94)  8.46 (8.02, 8.90) | 2.74 (2.38, 3.11)  3.53 (3.26, 3.81)  4.05 (3.70, 4.39)  3.39 (2.90, 3.88)  2.76 (2.38, 3.13)  3.51 (3.17, 3.86)  3.60 (3.27, 3.93)  3.79 (3.34, 4.23)  2.86 (2.45, 3.27)  3.09 (2.77, 3.42)  4.19 (3.84, 4.53)  3.85 (3.51, 4.20)  3.52 (3.15, 3.90)  4.00 (3.66, 4.34)  3.56 (3.19, 3.92)  2.24 (1.84, 2.64)  3.30 (3.02, 3.58)  8.41 (7.82, 9.01) | 0.002  0.20  0.19  0.95  0.026  0.29  0.044  0.34  0.58  0.005  0.51  0.46  0.21  0.91  0.14  0.007  0.016  0.90 | 0.38  0.77  0.11  0.52  0.49  0.58  0.61  0.14  0.07  0.61  0.74  0.37  0.54  0.19  0.86  0.33  0.72  0.99 |
| ET anger\*\*\*\*  ET anxiety  ET depression  ET distress  ET QOL  ET score | 1.00 (0.65-1.36)  2.59 (2.17-3.00)  1.64 (1.31-1.98)  2.41 (1.94-2.87)  6.63 (6.15-7.11)  1.91 (1.60-2.23) | 0.97 (0.60-1.33)  2.51 (2.08-2.94)  1.42 (1.08-1.76)  2.18 (1.71-2.66)  6.70 (6.21-7.19)  1.80 (1.48-2.12) | 0.92 (0.49-1.35)  2.58 (2.07-3.09)  1.18 (0.77-1.58)  2.26 (1.68-2.84)  6.39 (5.81-6.98)  1.72 (1.34-2.11) | 0.79  0.92  0.12  0.91  0.41  0.53 | 0.95  0.77  0.31  0.49  0.82  0.60 |
| CS control\*\*\*\*  CS influence  CS power  CS hopeless/hopeful  CS irritable/cheerful  CS sad/happy  CS tense/calm  CS score | 6.66 (6.18-7.14)  6.69 (6.27-7.10)  7.05 (6.63-7.46)  7.60 (7.20-8.00)  7.33 (6.88-7.78)  7.24 (6.86-7.62)  6.91 (6.45-7.38)  7.09 (6.81-7.38) | 6.45 (5.95-6.94)  6.91 (6.48-7.34)  7.14 (6.72-7.56)  7.92 (7.51-8.32)  7.31 (6.85-7.77)  7.30 (6.91-7.69)  7.04 (6.57-7.51)  7.09 (6.80-7.38) | 6.26 (5.65-6.87)  6.79 (6.27-7.31)  6.58 (6.06-7.09)  8.32 (7.83-8.81)  7.04 (6.49-7.59)  7.11 (6.64-7.59)  6.63 (6.07-7.20)  6.95 (6.60-7.30) | 0.39  0.99  0.07  0.037  0.37  0.56  0.28  0.47 | 0.52  0.48  0.81  0.25  0.97  0.84  0.66  0.98 |

\*Adjusted for score at admission

\*\*Median and quartiles reported along with Kruskal-Wallis test due to skewed distribution

\*\*\*Adjusted for pain tolerance and whether intervention for pain was used

\*\*\*\* ET and CS items were adjusted for baseline score and time