**Supplemental Table 1.** Entire hierarchical logistic regression analysis (n = 594) explaining the relative contribution of being in the surgery group using sociodemographic characteristics (model 1), clinical characteristics (model 2) and psychological characteristics (model 3)

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| --- | --- | --- | --- |
|  | Model 1 | Model 2 | Model 3 |
| Variables | Unstandardized OR (95% CI) | Standardized OR | Unstandardized OR(95% CI) | Standardized OR | Unstandardized OR(95% CI) | Standardized OR |
| Step 1: Sociodemographic characteristics |  |  |  |  |  |  |
| Treatment side | 0.74 (0.55 to 1.01) | 0.74 | 0.72 (0.51 to 1.00) | 0.72 | 0.84 (0.54 to 1.30) | 0.84 |
| Dominance | 0.91 (0.52 to 1.59) | 0.91 | 1.00 (0.55 to 1.83) | 1.00 | 1.01 (0.50 to 2.05) | 1.01 |
| Gender | 1.13 (0.72 to 1.76) | 1.13 | 0.79 (0.49 to 1.29) | 0.79 | 0.77 (0.42 to 1.43) | 0.77 |
| Age onset | 1.01 (0.98 to 1.03) | 1.05 | 1.02 (0.99 to 1.05) | 1.15 | 1.01 (0.97 to 1.05) | 1.05 |
| Symptom duration | 1.01a (1.00 to 1.01) | 1.53 | 1.01a (1.00 to 1.01) | 1.33 | 1.01a (1.00 to 1.02) | 1.86 |
| Second opinion  | 4.03a (1.57 to 10.31) | 4.03 | 4.06a (1.47 to 11.22) | 4.06 | 3.81a (1.17 to 12.4) | 3.81 |
| Type of work category |  |  |  |  |  |  |
| Type of work category (1) | 0.69 (0.41 to 1.17) | 0.69 | 0.83 (0.47 to 1.46) | 0.83 | 1.07 (0.54 to 2.14) | 1.07 |
| Type of work category (2) | 0.81 (0.49 to 1.34) | 0.81 | 1.01 (0.59 to 1.74) | 1.01 | 0.73 (0.37 to 1.42) | 0.73 |
| Type of work category (3) | 1.56 (0.84 to 2.89) | 1.56 | 1.85 (0.96 to 3.59) | 1.85 | 1.31 (0.55 to 3.13) | 1.31 |
|  |  |  |  |  |  |  |
| Step 2: Clinical characteristics |  |  |  |  |  |
| VAS pain at rest | 1.01 (1.00 to 1.01) | 1.13 | 1.00 (0.99 to 1.01) | 1.01 |
| VAS pain during physical load | 1.02a (1.00 to 1.03) | 1.44 | 1.01 (1.00 to 1.03) | 1.34 |
| VAS patient satisfaction with their hand | 0.98a (0.97 to 0.99) | 0.67 | 0.98a (0.97 to 0.99) | 0.65 |
| MHQ hand function | 1.00 (0.99 to 1.01) | 0.98 | 1.00 (0.99 to 1.02) | 1.01 |
| MHQ activities of daily living | 0.99a (0.98 to 1.00) | 0.77 | 1.00 (0.99 to 1.01) | 0.87 |
| MHQ work | 0.99 (0.99 to 1.00) | 0.83 | 0.99 (0.98 to 1.01) | 0.86 |
| MHQ aesthetics  | 1.00 (0.99 to 1.01) | 1.06 | 0.99 (0.98 to 1.01) | 0.86 |
| EQ-5D-5L index score | 2.43 (0.53 to 11.10) | 1.15 | 0.40 (0.05 to 3.58) | 0.87 |
|  |  |  |  |  |
| Step 3: psychological characteristics |  |  |  |
| CEQ credibility | 1.04 (0.94 to 1.15) | 1.18 |
| CEQ expectancy | 1.42a (1.29 to 1.56) | 5.04 |
| IPQ consequences | 1.04 (0.88 to 1.23) | 1.09 |
| IPQ timeline | 0.86a (0.77 to 0.97) | 0.70 |
| IPQ personal control | 0.78a (0.70 to 0.87) | 0.57 |
| IPQ symptoms due to illness | 1.00 (0.89 to 1.13) | 1.01 |
| IPQ concern | 1.00 (0.88 to 1.14) | 1.00 |
| IPQ understanding | 1.02 (0.90 to 1.16) | 1.03 |
| IPQ emotional response | 1.12a (1.01 to 1.25) | 1.40 |
| PCS | 1.01 (0.97 to 1.04) | 1.05 |
| PHQ anxiety subscale | 0.92 (0.71 to 1.19) | 0.89 |
| PHQ depression subscale | 0.89 (0.65 to 1.22) | 0.87 |
|  |  |  |
| AUC (95% CI; p value) | 0.663 (0.618 to 0.709; p < 0.001) | 0.750 (0.708 to 0.791; p < 0.001) | 0.900 (0.875 to 0.925; p < 0.001) |
| Nagelkerke R2 | 0.07 | 0.22 | 0.56 |

aSignificance at < 0.05 level. Unstandardized and standardized odds ratios (OR), the 95% confidence intervals (CI) for the unstandardized ORs, along with the area under the curve (AUC), the significance of the change of the AUC, and Nagelkerke R2 for the different models. MHQ = Michigan Hand outcomes Questionnaire, CEQ = Credibility and Expectancy Questionnaire, IPQ = brief Illness Perception Questionnaire, PCS = Pain Catastrophizing Scale, PHQ = Patient Health Questionnaire.