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| **Supplementary Table 2. Correlations between preoperative expectations, change in symptoms and calculated expectations-actuality discrepancy scores with the patient-rated global effectiveness of THA**  |
| **Pre-operative expectationsa** | **Global effectiveness of THA****Kendall ΤauB (p-value)b** |
| Hip pain | TB= 0.329 *(***p=0.002***)* |
| Back pain | TB= -0.101 (p=0.325) |
| Walking ability | TB= 0.163 (p=0.122) |
| Independence  | TB= 0.064 (p=0.533) |
| Physical exercise | TB= 0.095 (p=0.355) |
| General function | TB= -0.045 (p=0.664) |
| Social interactions | TB= -0.196 (*p=0.047*) |
| Mental well-being | TB= -0.006 (p=0.949) |
| **Change in symptomsc** | **Global effectiveness of THA****Kendall ΤauB (p-value)d** |
| Average hip pain in the last 3 months  | TB= -0.322 (**p=0.002**) |
| Overall severity of chronic pain condition, CPG (von Korff) | TB= -0.146 (p=0.122) |
| Hip function and mobility, WOMAC | TB= -0.295 (**p=0.002**) |
| Health-related quality of life, SF-12h |  |
| SF-12 Physical | TB= 0.304 (**p=0.001**) |
| SF-12 Mental | TB= 0.011 (p=0.899) |
| Psychological distress, DASSi |  |
| DASS Depression | TB= -0.211 (*p=0.049*) |
| DASS Anxiety | TB= 0.064 (p=0.600)  |
| DASS Stress | TB= -0.053 (p=0.586) |
| Kinesiophobia, TSKk | TB= -0.243 (*p=0.011*) |
| **Calculated expectations-actuality discrepancy scorese** | **Global effectiveness of THA****Kendall ΤauB (p-value)b** |
| Hip pain | TB= 0.157 (p=0.126) |
| Back pain | TB=0.101 (p=0.346) |
| Walking ability | TB= 0.473 (**p<0.0001**) |
| Independence  | TB= 0.471 (**p<0.0001**) |
| Physical exercise | TB=0.340 (**p=0.001**) |
| General function | TB=0.314 (**p=0.001**) |
| Social interactions | TB= 0.317(**p=0.001**) |
| Mental well-being | TB= 0.215 (*p=0.026*) |
| *Multiple testing adjusted significances (applying Bonferroni to each variable set) are set in boldface. Nominally significant p-values are set in italics.Variables significantly associated with global effectiveness of THA were included as steps 2 to 4 in the hierarchical multiple regression analysis (Table 3).*  *aCorrelation analyses are based on N=79-90 subjects due to varying numbers of missing data per variable; bBonferroni-adjusted significance level: p=0.05/8; cCorrelation analyses are based on N=54-90 subjects due to varying numbers of missing data per variable; change scores were obtained by dividing the outcome measures at 12 months follow-up by the preoperative scores; dBonferroni-adjusted significance level: p=0.05/9;  cCorrelation analyses are based on N=69-90 subjects due to varying numbers of missing data per variable* |