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| **Table S2. Direction of handgrip strength asymmetry and depression in the right-handed Korean elderly** |
| **Variables** | **Depression (PHQ-9 ≥5)** |
| **Male** |  | **Female** |
| **OR** | **95% CI** |  | **OR** | **95% CI** |
| 　 | 　 | 　 | 　 |  | 　 | 　 | 　 |
| **Handgrip strength** | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| High | 1.00  | 　 | 　 | 　 | 1.00  | 　 | 　 |
| Medium | 0.97  | 0.62  | 1.53  | 　 | 1.51  | 1.13  | 2.00  |
| Low | 0.94  | 0.56  | 1.57  | 　 | 1.93  | 1.33  | 2.81  |
| **Handgrip strength asymmetry** | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| Prominent asymmetry (Left > Right) | 0.86  | 0.36  | 2.05  | 　 | 1.48  | 0.61  | 3.58  |
| Moderate asymmetry (Left > Right) | 0.93  | 0.44  | 1.99  | 　 | 0.99  | 0.61  | 1.62  |
| Symmetric (Ref) | 1.00  | 　 | 　 | 　 | 1.00  | 　 | 　 |
| Moderate asymmetry (Right > Left) | 1.37  | 0.89  | 2.10  | 　 | 1.24  | 0.88  | 1.75  |
| Prominent asymmetry (Right > Left) | 1.24  | 0.65  | 2.36  | 　 | 1.47  | 1.02  | 2.12  |

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