Supplemental Digital Content

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## Results of meta-analysis on clinical characteristics

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| --- | --- |
|  |  |
| Clinical features | Number of study  | OR/WMD (95%CI) | P  | I2 | P for Q test |
| Age | 10 | 0.03 (-1.20-1.26) | 0.96  | 1.40% | 0.43 |
| BMI | 9 | 0.39 (-0.12-0.90) | 0.13  | 10.40% | 0.35 |
| Male | 10 | 1.27 (1.02-1.58) | **0.03**  | 0 | 0.93 |
| Diabetes | 10 | 1.39 (0.90-1.35) | 0.33  | 0 | 0.90 |
| Smoking  | 10 | 1.27 (1.01-1.56) | 0.04  | 0 | 0.84 |
| Hypertension | 10 | 1.03 (0.84-1.26) | 0.77  | 0 | 0.60 |
| Atrial fibrillation | 9 | 0.69 (0.52-0.92) | **0.01**  | 0 | 0.64 |
| ESS | 6 | 0.51 (-0.24-1.26) | 0.18  | 0 | 0.96 |
| NIHSS | 10 | 0.12 (-0.19-0.44) | 0.43 | 26.8% | 0.20 |
| OR odd ratio, WMD weight mean difference, BMI body mass index. |

## Results of Trial Sequential Analysis

### **Supplementary figure 1 Trial Sequential Analysis and required information size for the effect of WUS for OSA**



### **Supplementary figure 2 Trial Sequential Analysis and required information size for the effect of WUS on AHI**



### **Supplementary figure 3 Trial Sequential Analysis and required information size for the effect of WUS on ODI**

