

Figure S1. Meta-analysis of pretreatment age difference STN DBS vs. Control

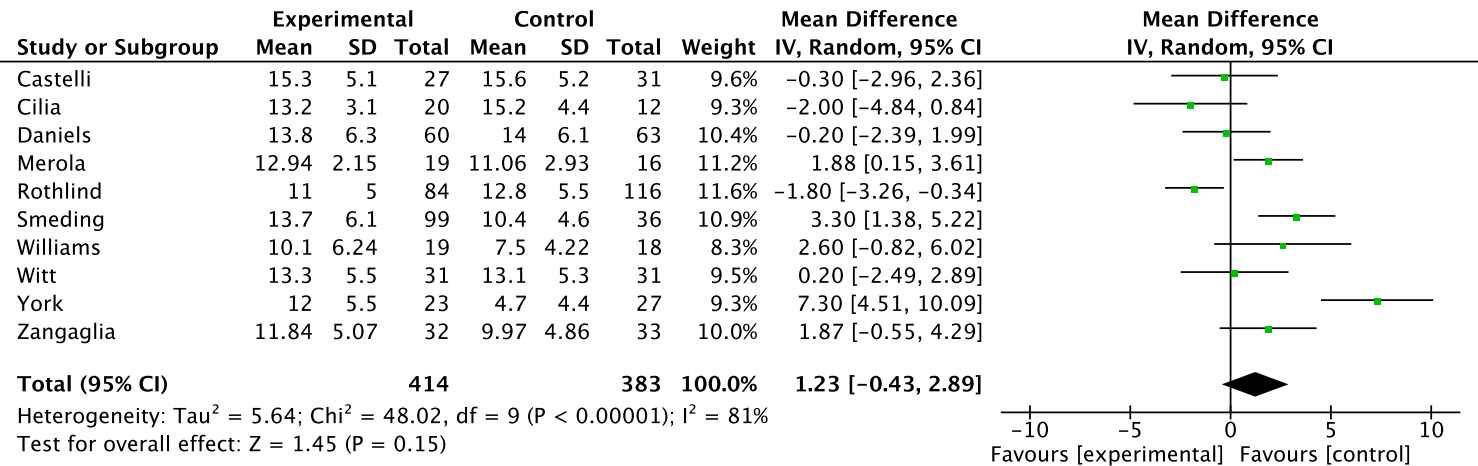


Figure S2. Meta-analysis of pretreatment duration of disease difference STN DBS vs. Control

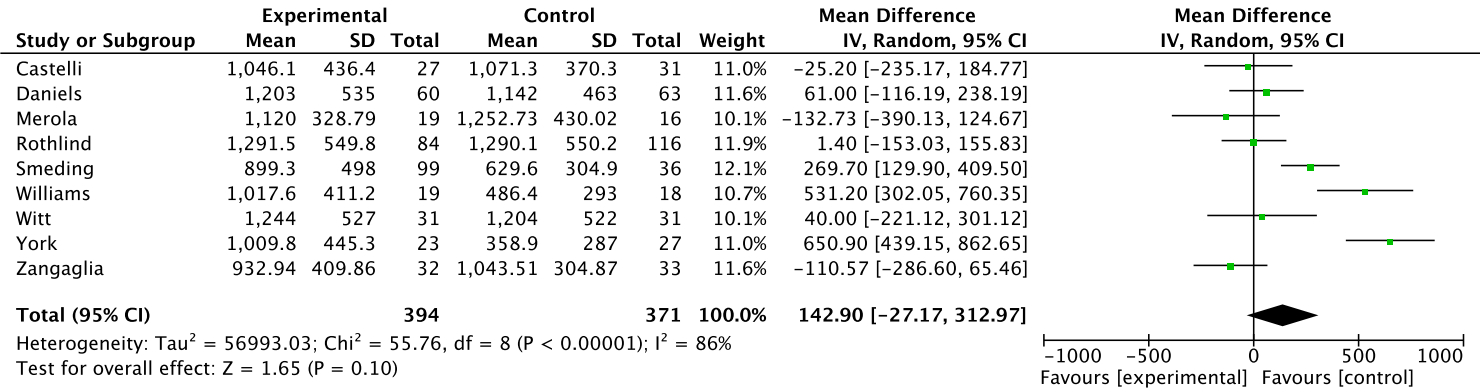


Figure S3. Meta-analysis of pretreatment LED difference STN DBS vs. Control

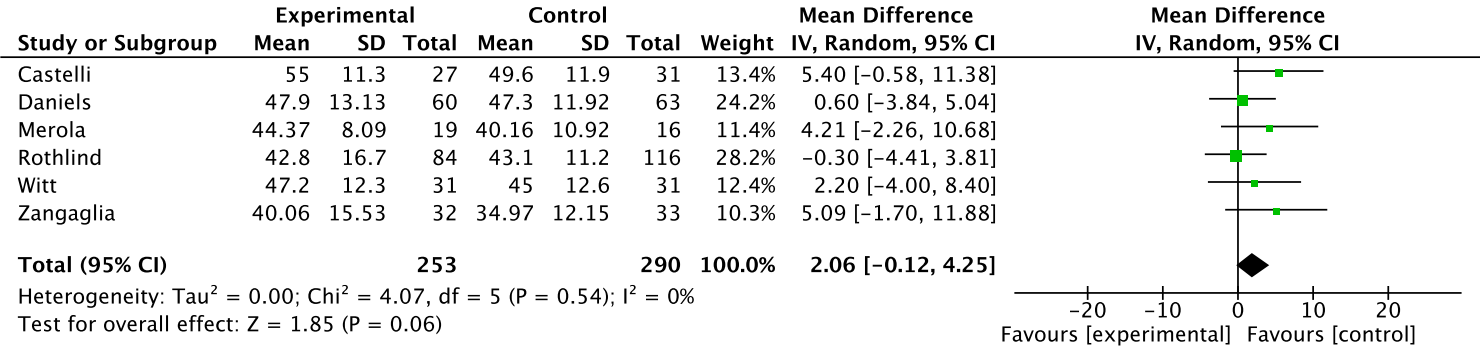


Figure S4. Meta-analysis of pretreatment UPDRS(medication-off) STN DBS vs. Control

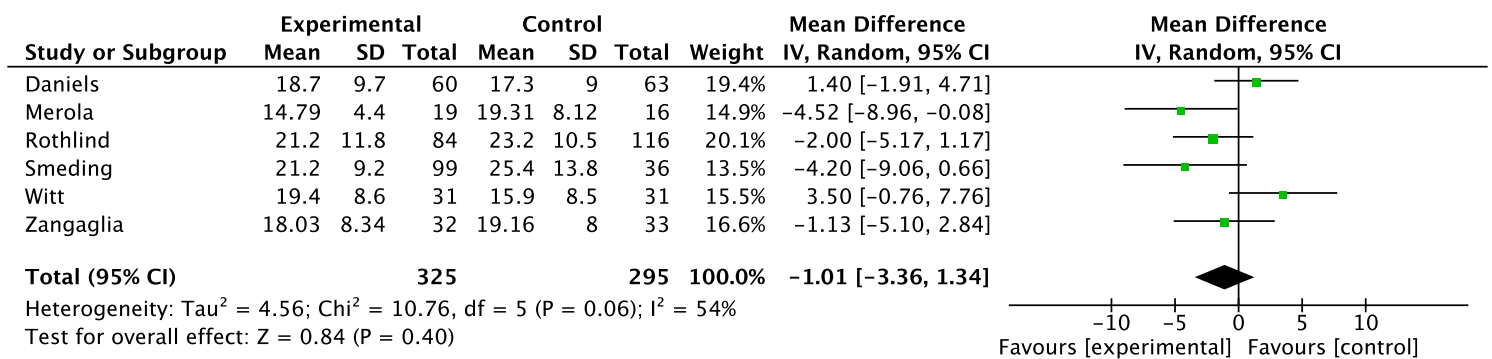


Figure S5. Meta-analysis of pretreatment UPDRS(medication-on) STN DBS vs. Control

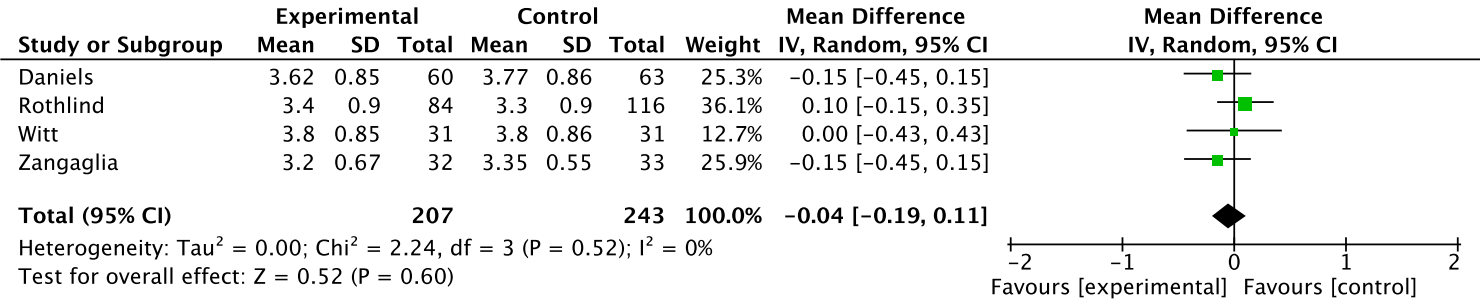


Figure S6. Meta-analysis of pretreatment Hoehn-Yahr(medication-off) STN DBS vs. Control

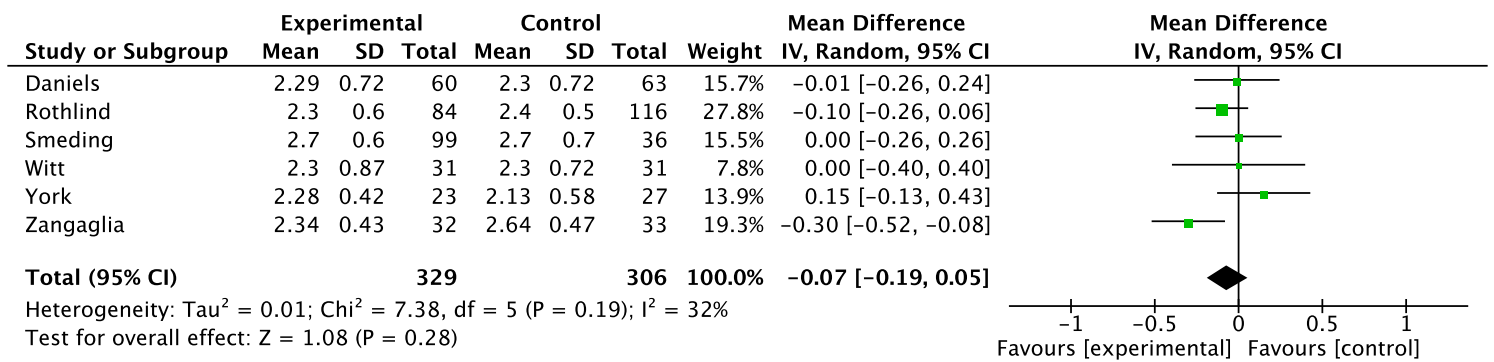


Figure S7. Meta-analysis of pretreatment Hoehn-Yahr(medication-on) STN DBS vs. Control

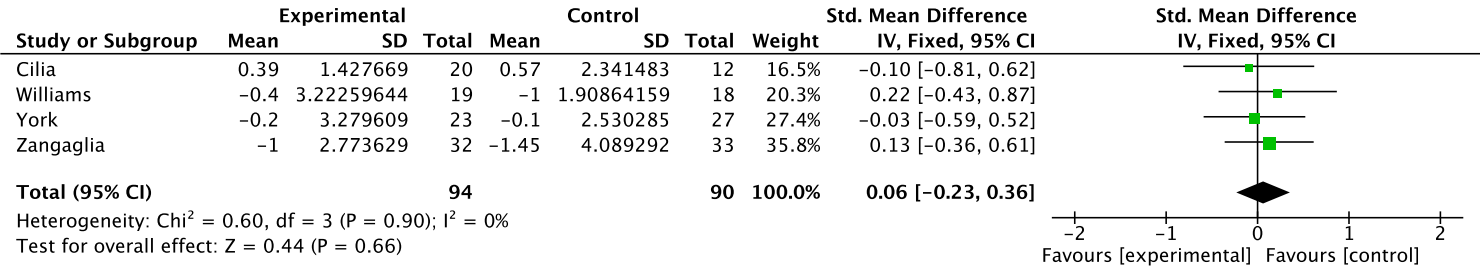


Figure S8. Forest plot of Mini Mental State Examination change STN DBS vs. Control



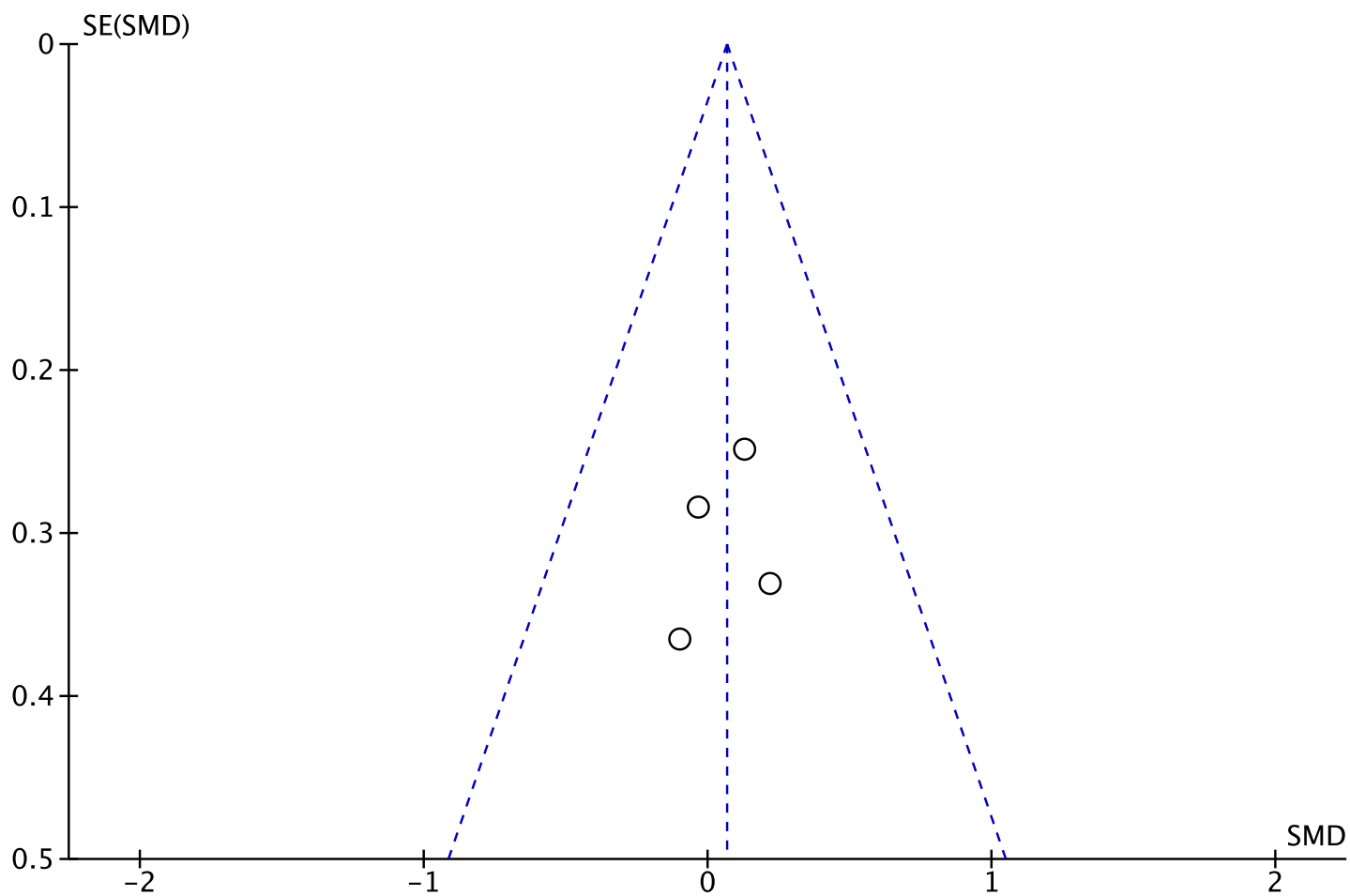


Figure S9. funnel plot of Mini Mental State Examination change STN DBS vs. Control

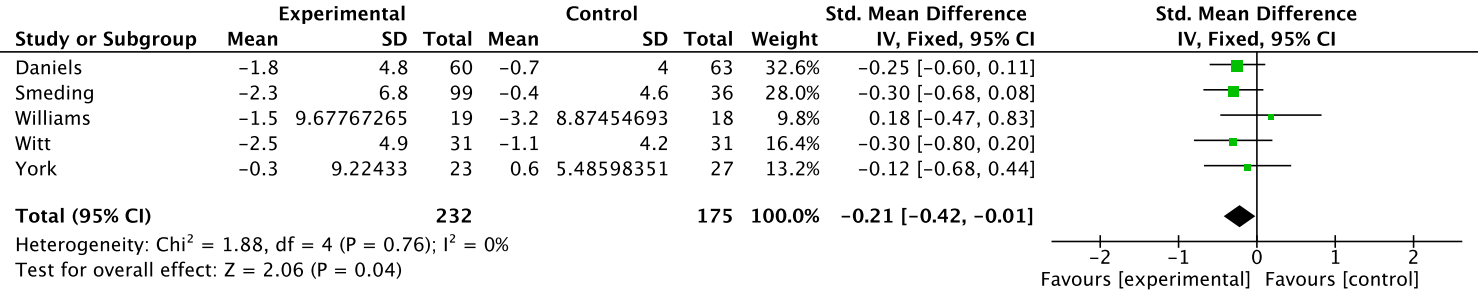


Figure S10. Forest plot of Mattis Dementia Rating Scale change STN DBS vs. Control

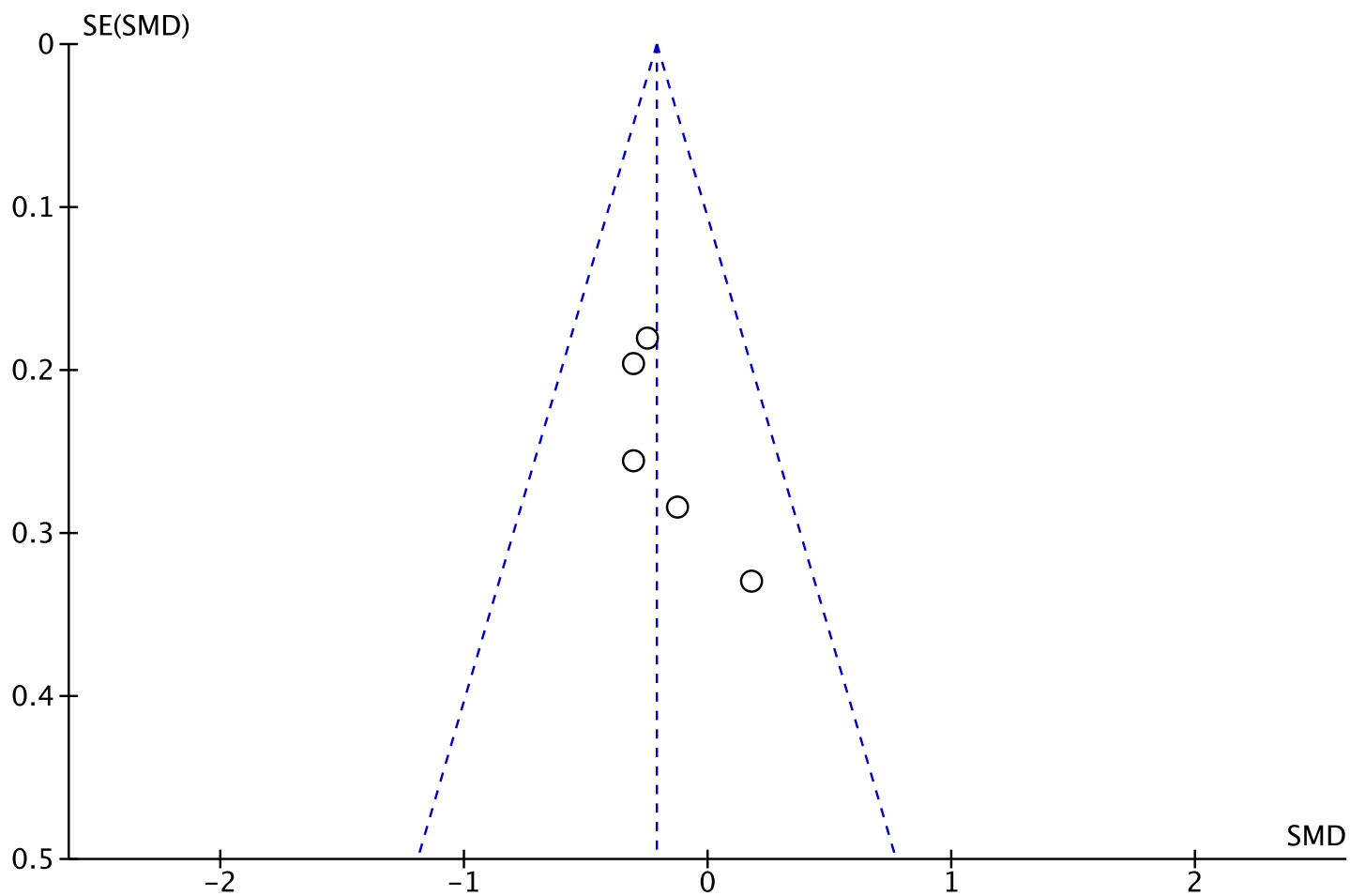


Figure S11. Funnel plot of Mattis Dementia Rating Scale change STN DBS vs. Control

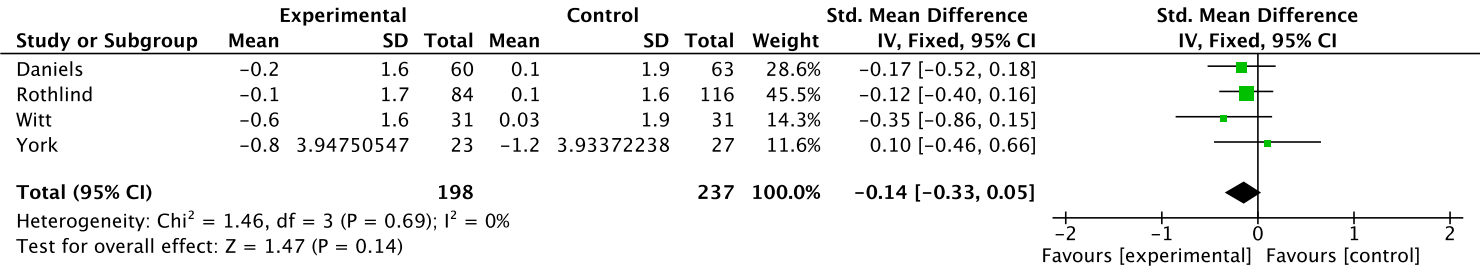


Figure S12. Forest plot of Digit span backward change STN DBS vs. Control

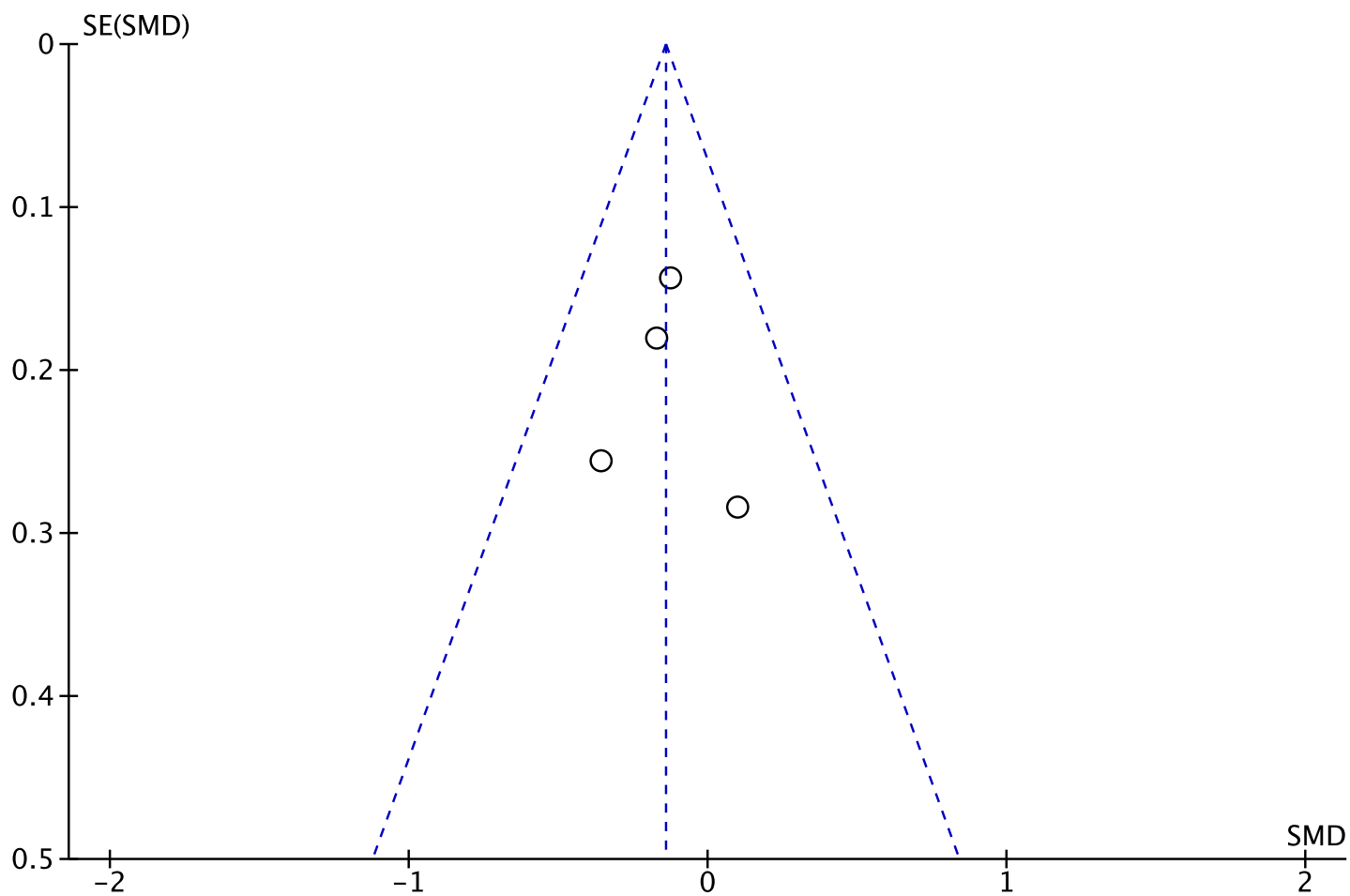


Figure S13. Funnel plot of Digit span backward change STN DBS vs. Control

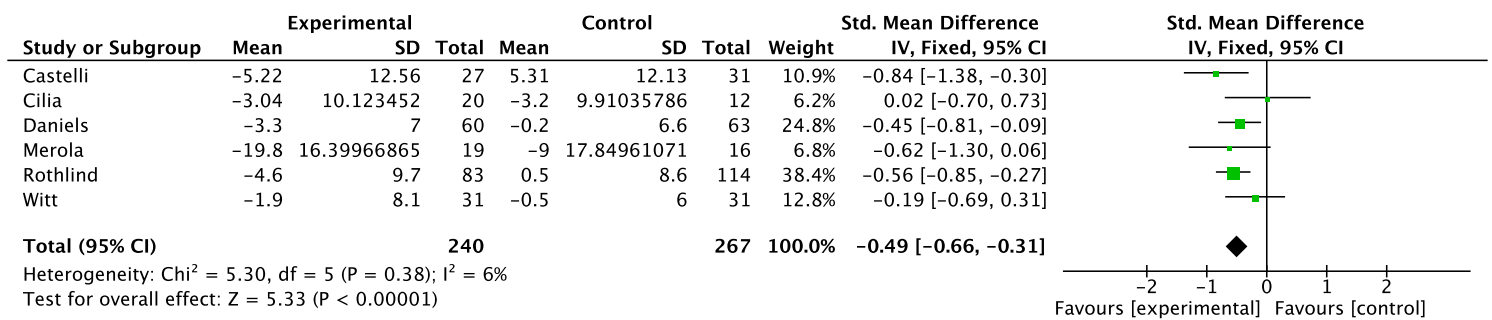


Figure S14. Forest plot of Phonemic fluency change STN DBS vs. Control

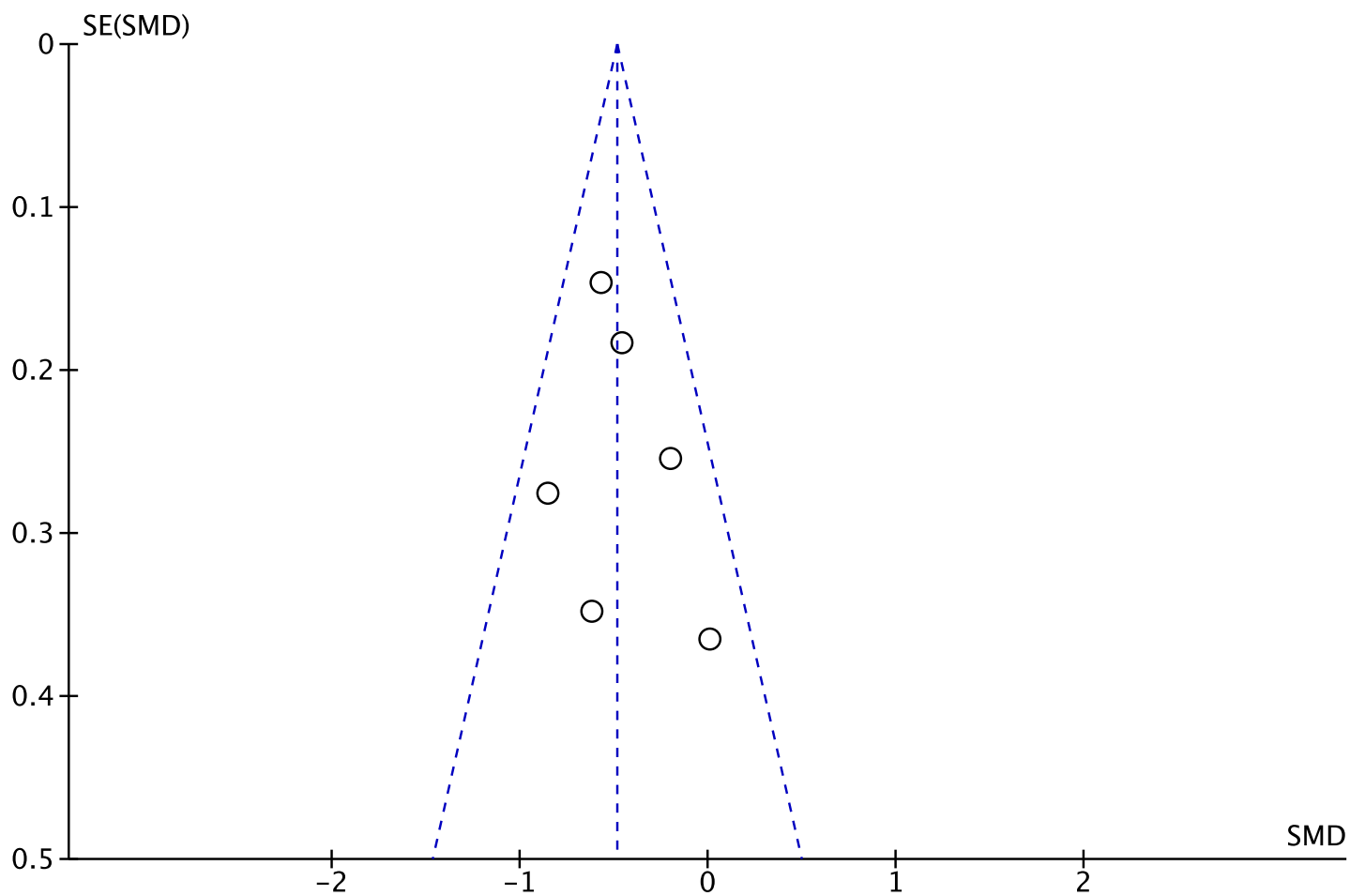


Figure S15. Funnel plot of Phonemic fluency change STN DBS vs. Control

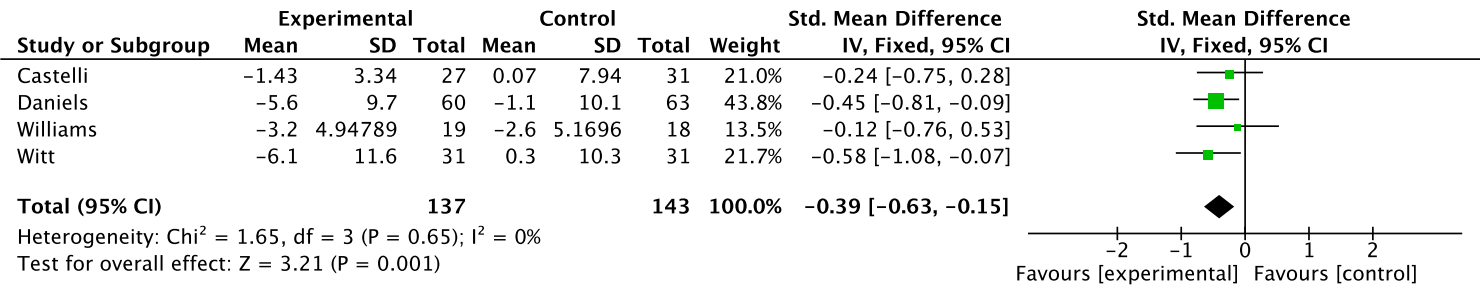


Figure S16. Forest plot of Semantic fluency change STN DBS vs. Control



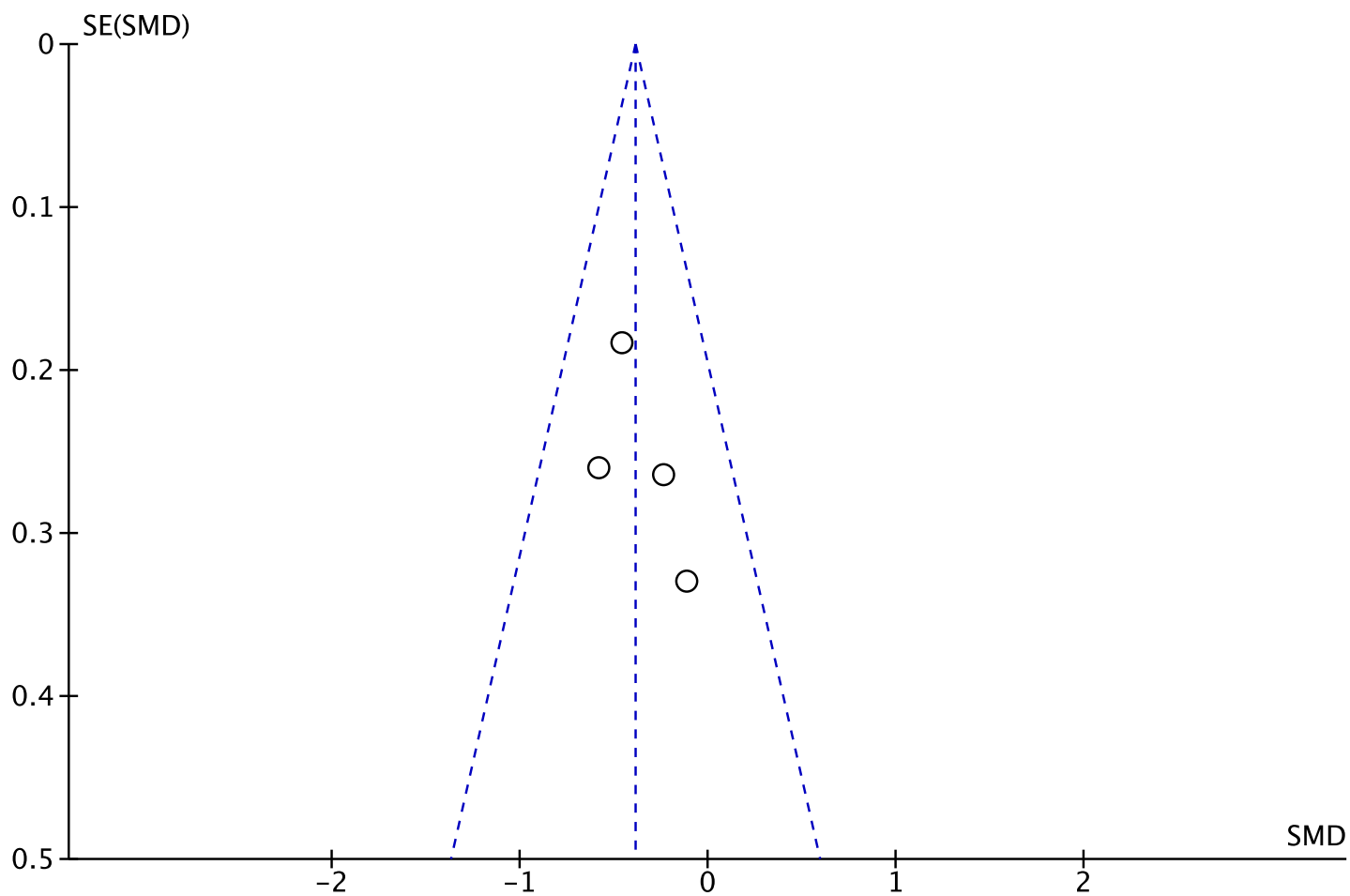


Figure S17. Funnel plot of Semantic fluency change STN DBS vs. Control

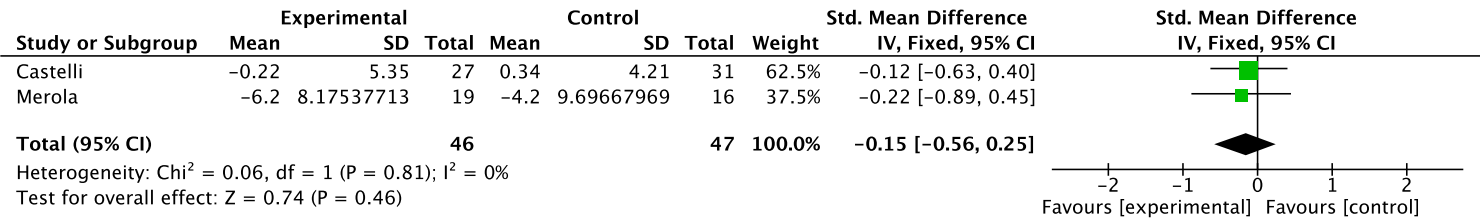


Figure S18. Forest plot of Reven Color Matrics change STN DBS vs. Control

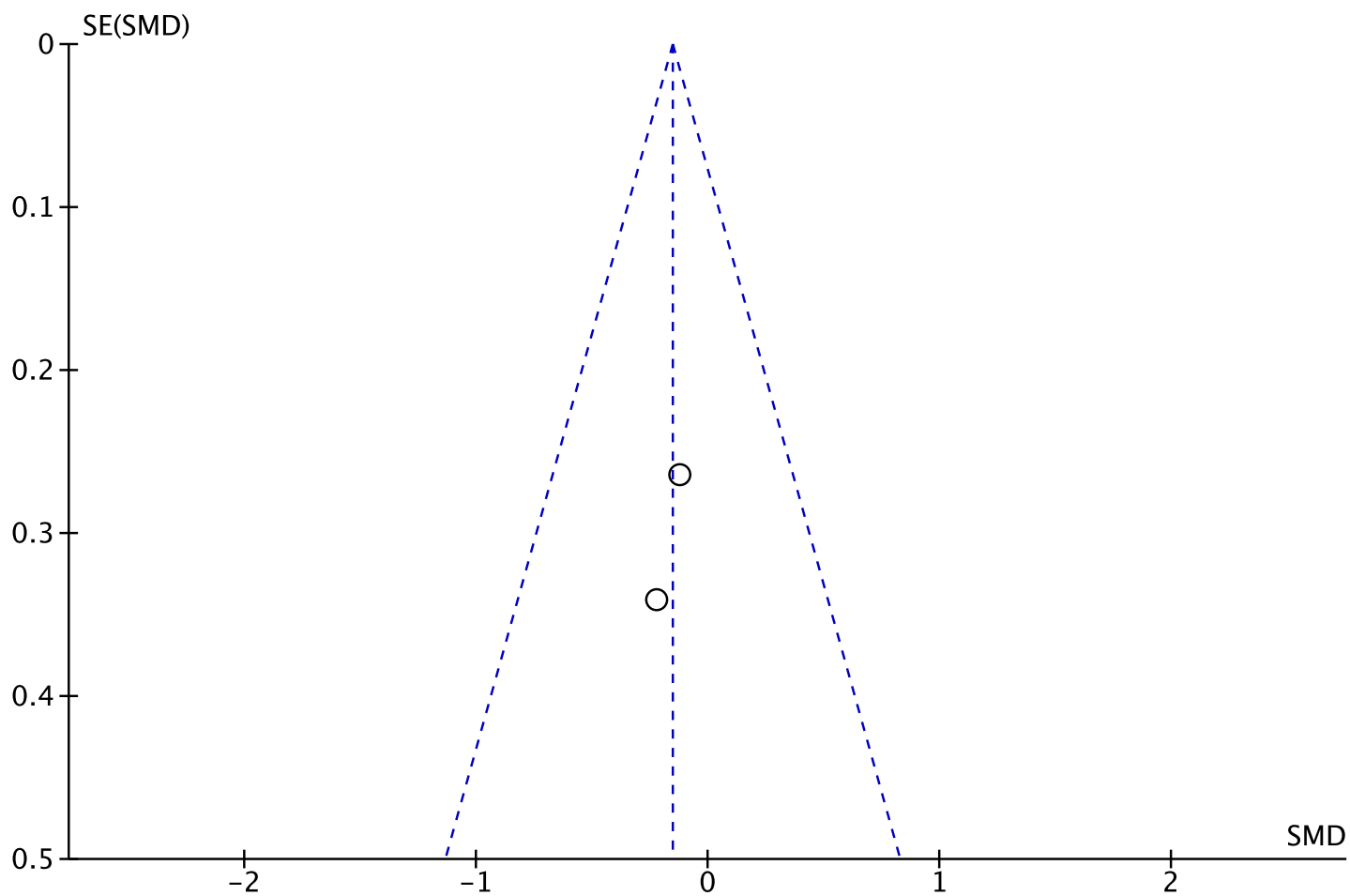


Figure S19. Funnel plot of Reven Color Matrics change STN DBS vs. Control

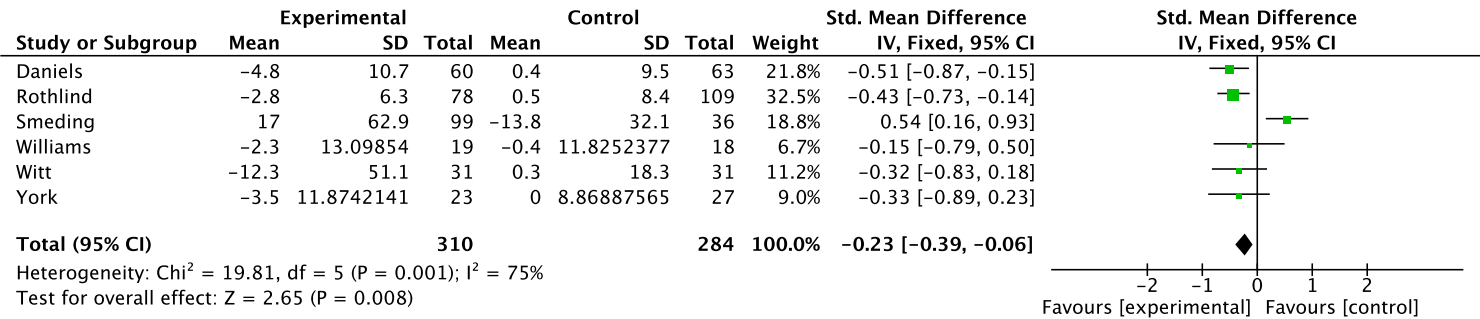


Figure S20. Forest plot of Stroop Color Word change STN DBS vs. Control

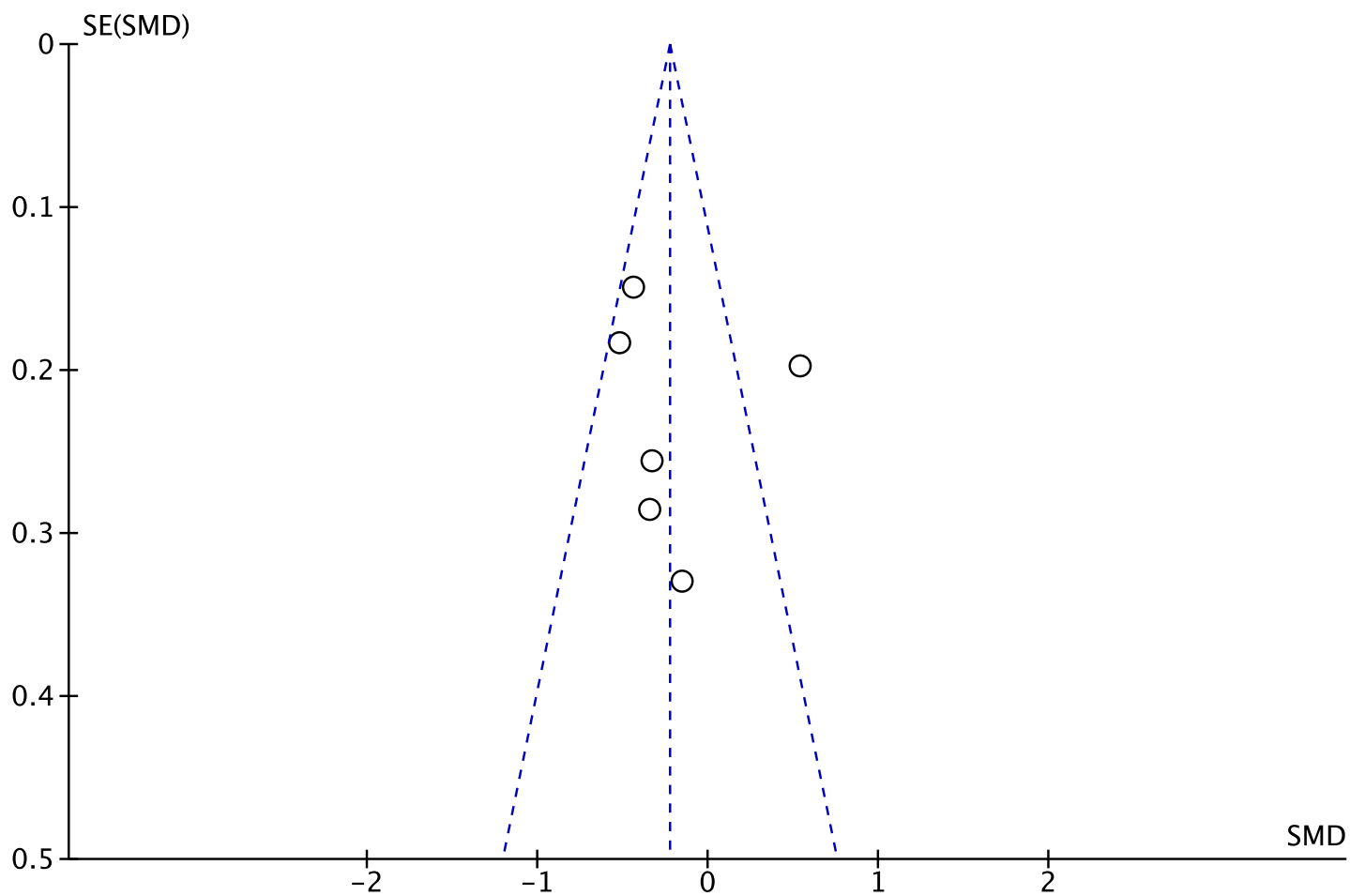


Figure S21. Funnel plot of Stroop Color Word change STN DBS vs. Control

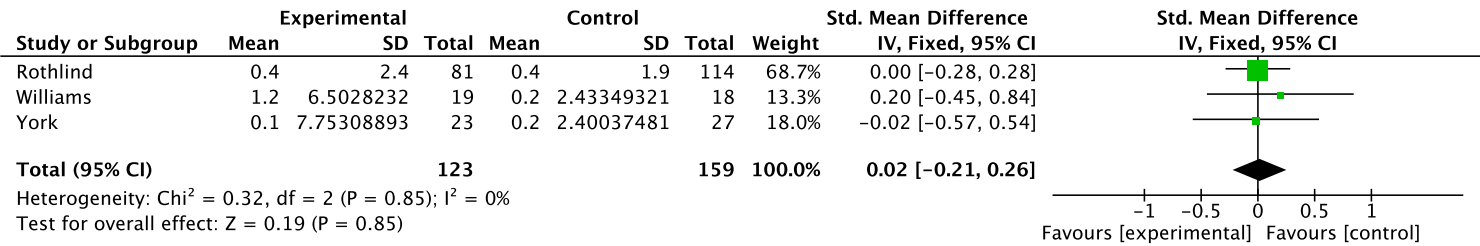


Figure S22. Forest plot of Boston Naming change STN DBS vs. Control

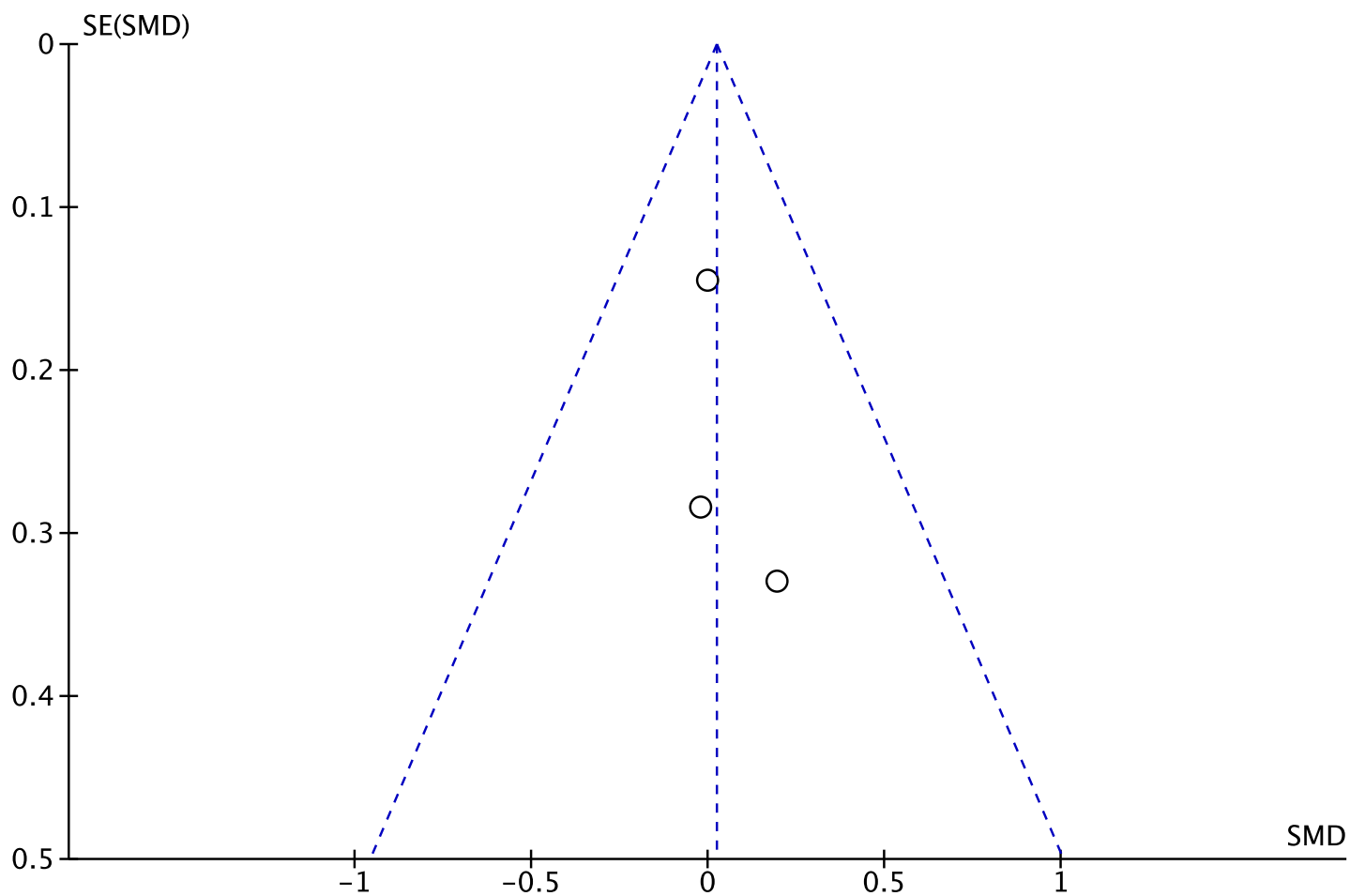


Figure S23. Funnel plot of Boston Naming change STN DBS vs. Control

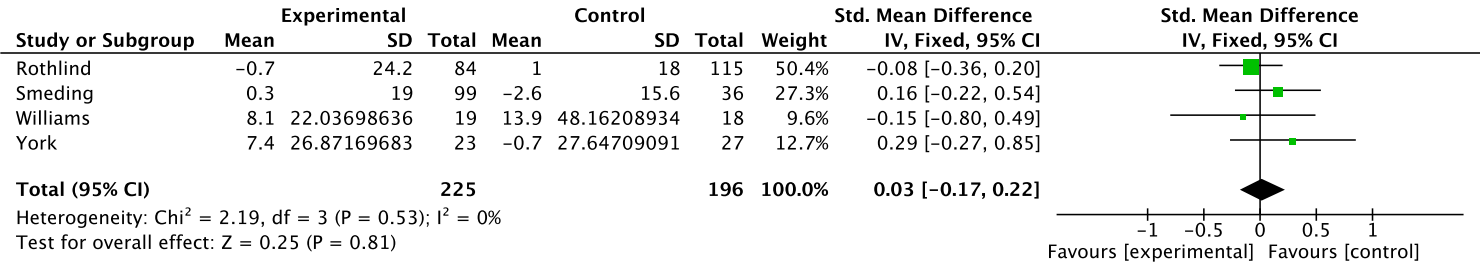


Figure S24. Forest plot of Trial Making a change STN DBS vs. Control



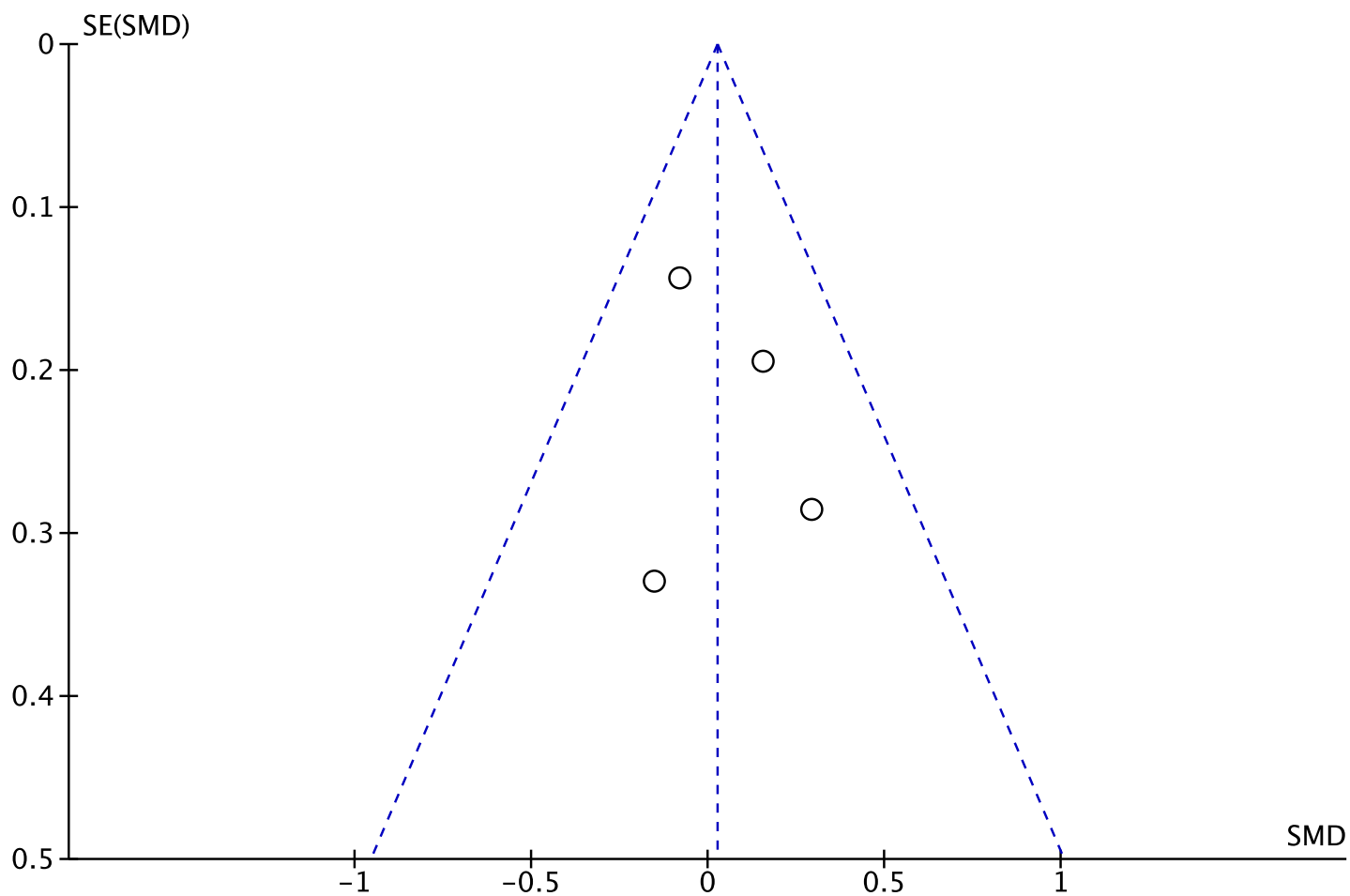


Figure S25. Funnel plot of Trial Making a change STN DBS vs. Control

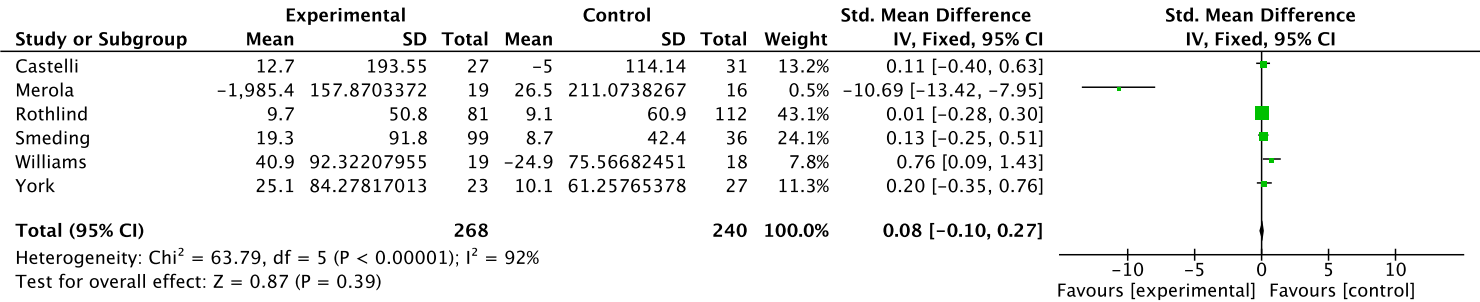


Figure S26. Forest plot of Trial Making b change STN DBS vs. Control

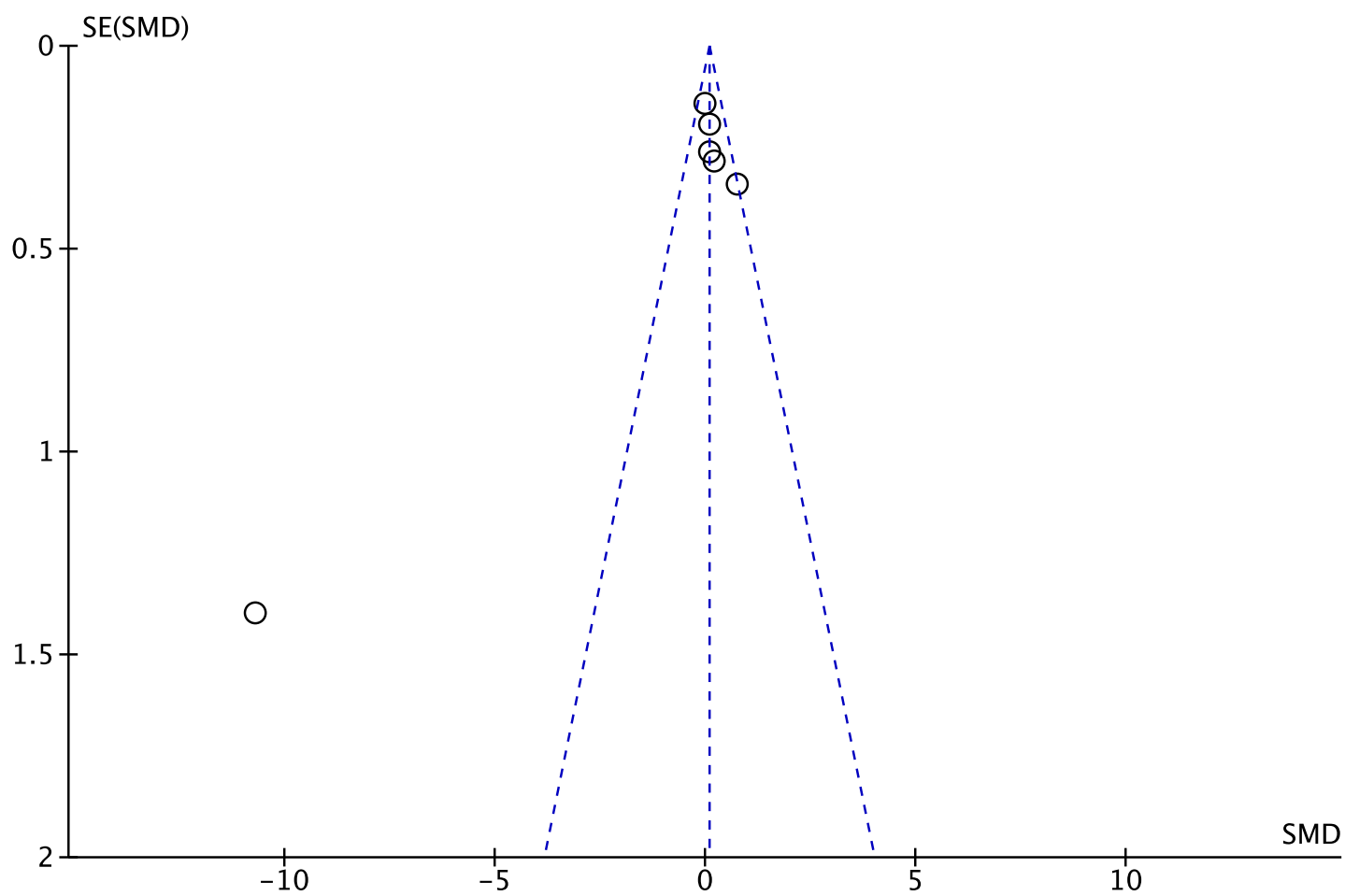


Figure S27. Funnel plot of Trial Making b change STN DBS vs. Control

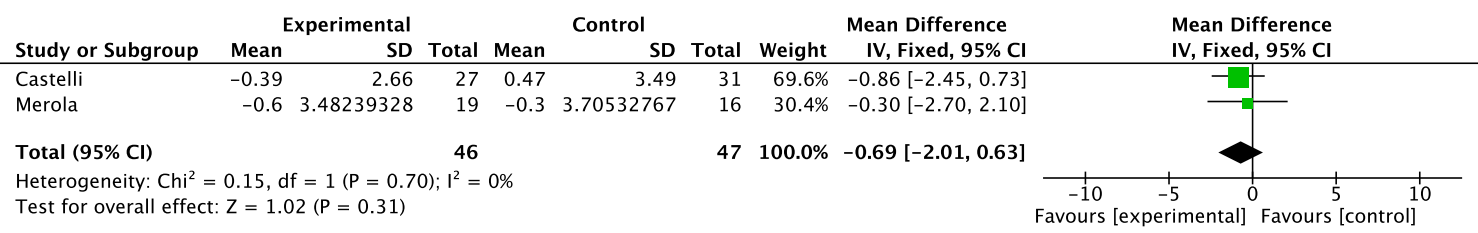


Figure S28. Forest plot of Paired associate learning change STN DBS vs. Control

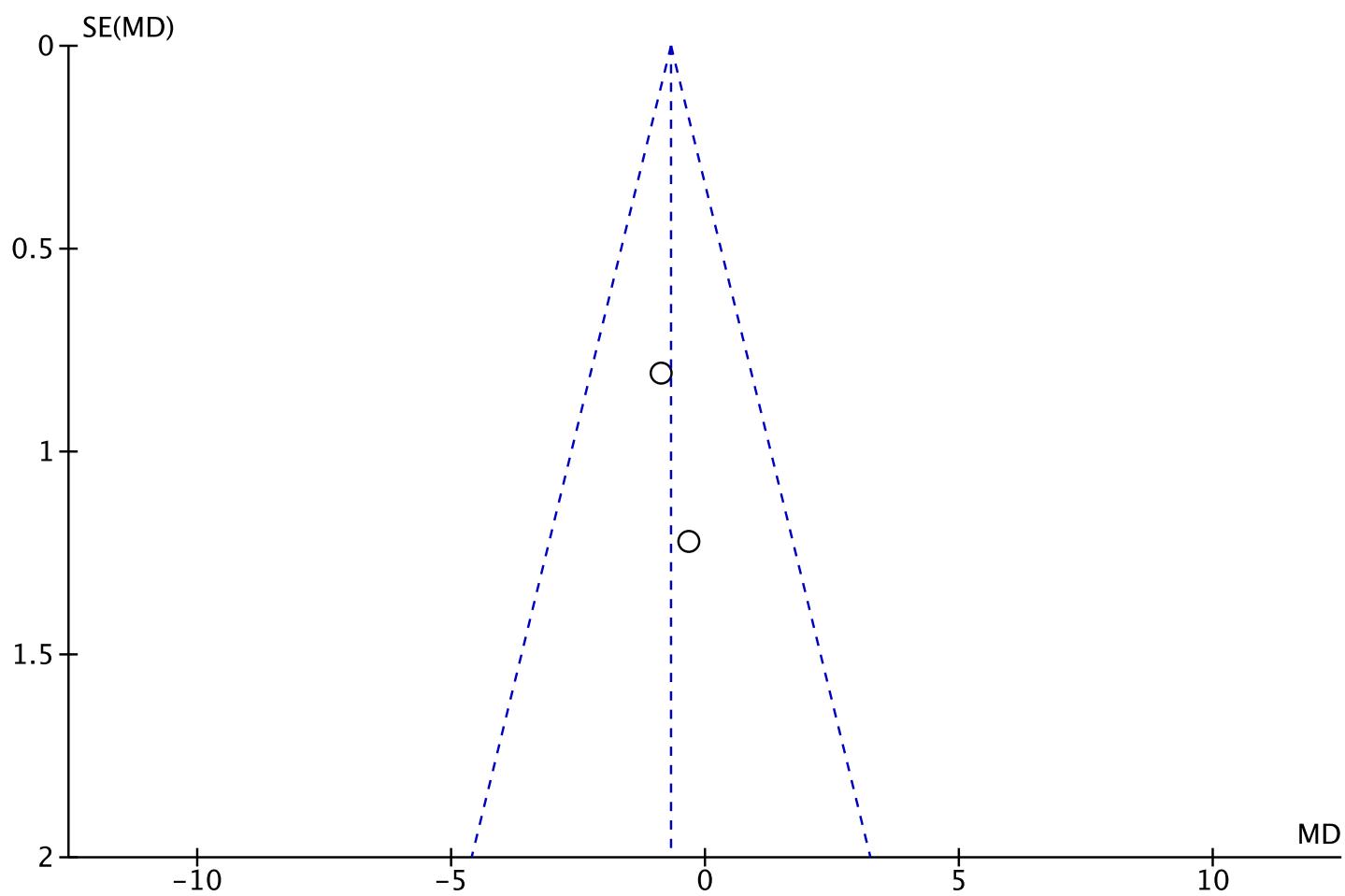


Figure S29. Funnel plot of Paired associate learning change STN DBS vs. Control

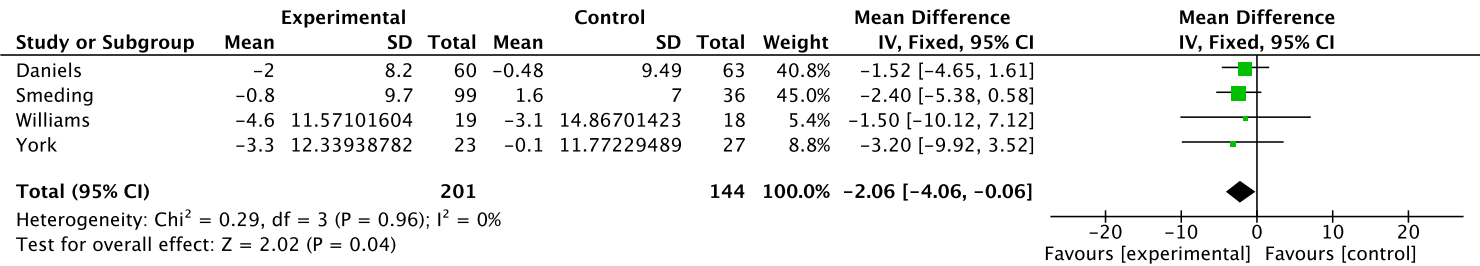


Figure S30. Forest plot of RAVLT-total change STN DBS vs. Control

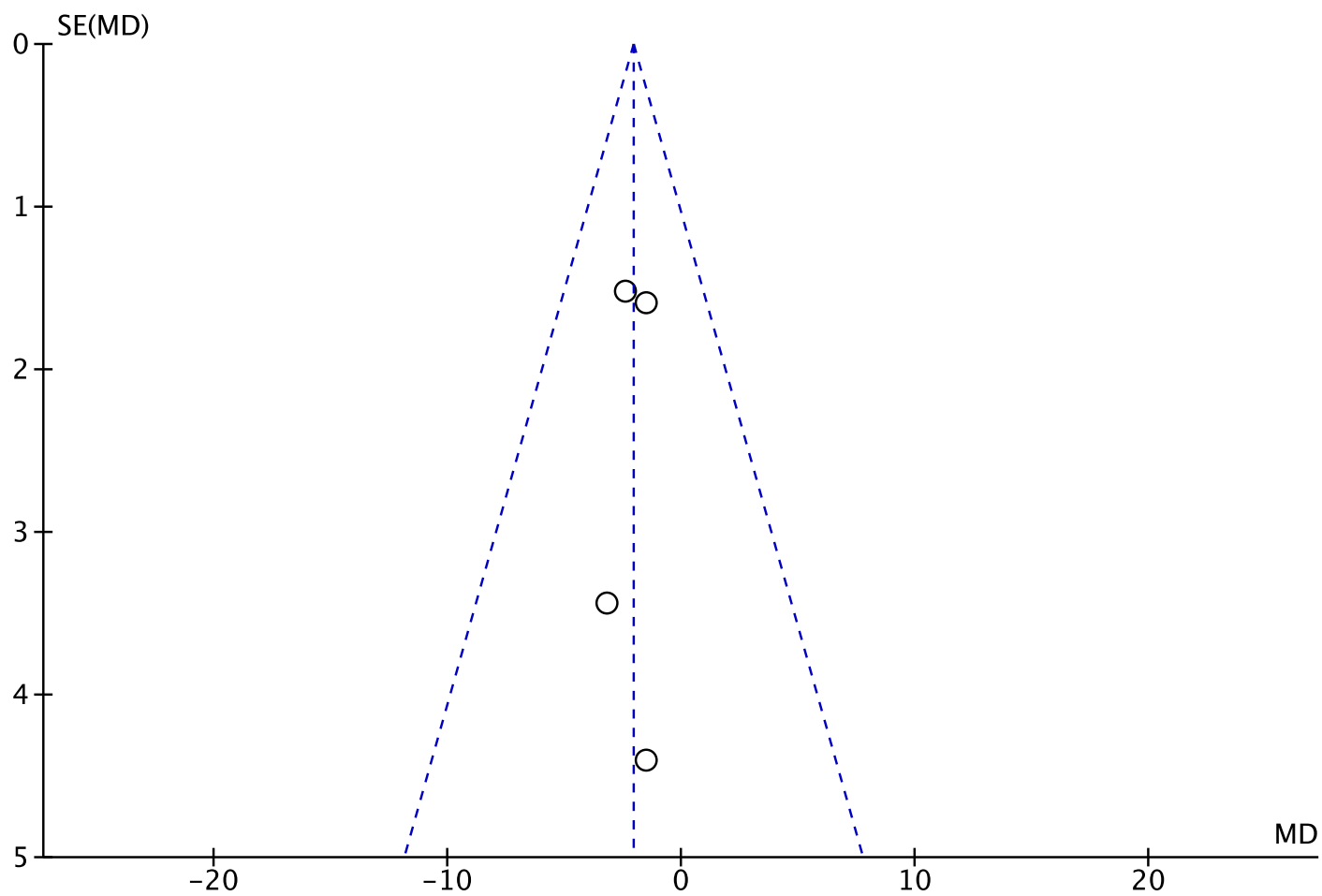


Figure S31. Funnel plot of RAVLT-total change STN DBS vs. Control

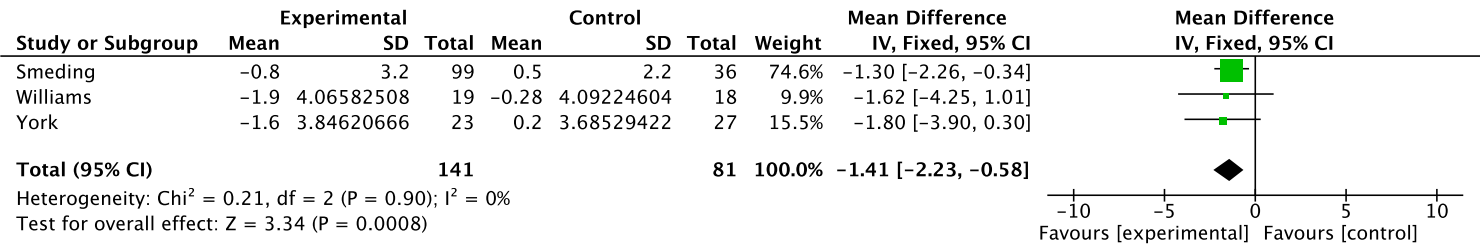


Figure S32. Forest plot of RAVLT-delayed recall change STN DBS vs. Control



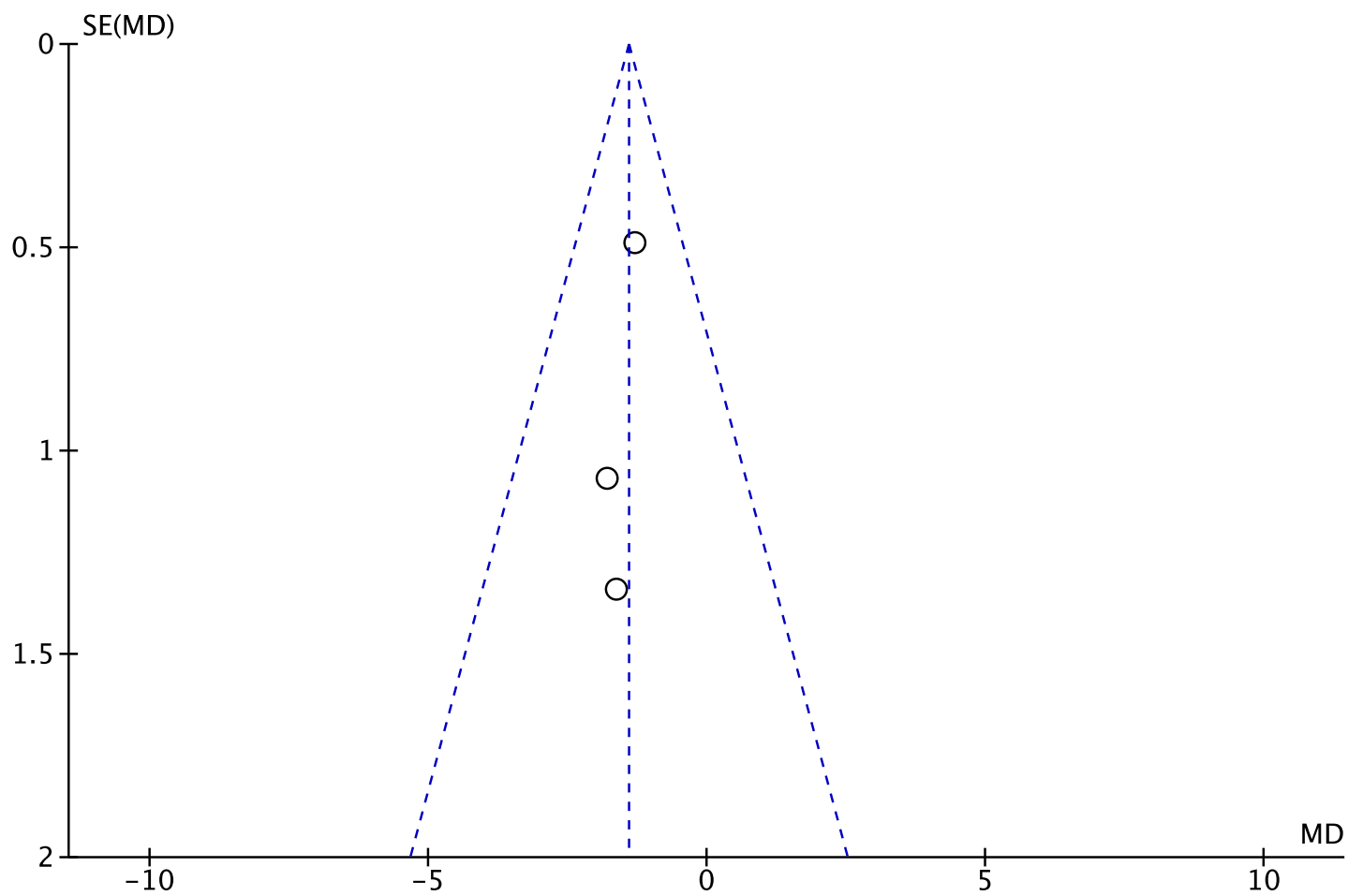


Figure S33. Funnel plot of RAVLT-delayed recall change STN DBS vs. Control