Word Template

Subtitle

Juan Pablo Saa OTD / MPH / PhD Candidate

3/29/2020

# R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this

with the rma.mv() function.

#adding two rows of empty data to create gaps between domains in the final graph  
 a<-data.frame(Var1=c('',NA),  
 Var2=rep(NA,2),  
 Freq=rep(NA,2),  
 domain=rep(paste0(b[i,1],' (',length(unique(t$Var1)),')'),2))

:

summary(cars)  
setwd('/Users/local folder in computer')

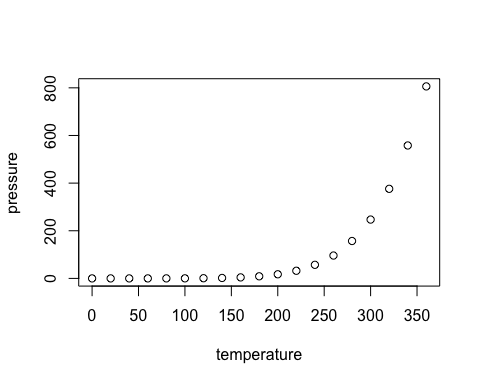
for (i in seq\_along(names)) {

## speed dist   
## Min. : 4.0 Min. : 2.00   
## 1st Qu.:12.0 1st Qu.: 26.00   
## Median :15.0 Median : 36.00   
## Mean :15.4 Mean : 42.98   
## 3rd Qu.:19.0 3rd Qu.: 56.00   
## Max. :25.0 Max. :120.00

## Including Plots

You can also embed plots, for example:

colnames(t1)=c('ID','Study (country)','Design (subgroup)','Quality', 'N',  
 'Age (SD)','Males','Stroke type',"Prev. stroke", "Domain evaluated (ICF)")  
 #### Formatting the table  
   
obs=length(unique(ma[ma$intervention=="no","id"]))+1  
   
huxtable(t1,add\_colnames = T) %>%   
 set\_font\_size(7) %>%   
 set\_col\_width(c(.3,1,



Note that the echo = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.

## Table 1

ma <- escalc(measure = "SMD", vtype = "UB",   
 m1i = m1i,   
 n1i = n1i,   
 sd1i = sd1i,   
 m2i = m2i,   
 n2i = n2i,   
 sd2i = sd2i,   
 data = ma)

levels=c('healthy','tia',)

grid = TRUE,

The **R** syntax for nested

# huxtable(t1,add\_colnames = T) %>% set\_font\_size(7) %>% set\_col\_width(c(.3,1, 1,.6, .4,1, .5,.8, .5,1.5)) %>% set\_bold(1,1:10,T) %>% set\_font\_size(1, 1:10, 8) %>% set\_bottom\_border(c(1,nrow(t1)+1),1:10,1) %>% insert\_row("Observational Cohort Studies",after = 1, fill = "",colspan = 9) %>% set\_align(2,1:10,"left") %>% set\_bold(1,1:10,T) %>% set\_bottom\_border(2,1:10,1) %>% set\_font\_size(row = 2,col = 1:10, 8) %>% insert\_row("Intervention Studies",after = obs+1, fill = "",colspan = 10) %>% set\_align(obs+2,1:10,"left") %>% set\_bold(obs+2,1:10,T) %>% set\_bottom\_border(c(obs+1,obs+2),1:10,1) %>% set\_font\_size(row = obs+2,col = 1:10, 8) %>%

eTable 1: Included Studies

| **ID** | **Study (country)** | **Design (subgroup)** | **Quality** | **N** | **Age (SD)** | **Males** | **Stroke type** | **Prev. stroke** | **Domain evaluated (ICF)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Observational Cohort Studies** | | | | | | | | |  |
| 1 | Anderson, 2008 (Australia) | case-control (stroke | healthy) | good | 30 | 68.33 (16.79) | 53% | first-ever (isch) | 0% | global cognition, memory, language, visuo-perceptual, calculation, hlcf, attention |
| 2 | Bagg, 2002 (Canada) | cohort (stroke) | good | 561 | 71 (11.6) | 54% | first-ever (isch or hem) | 0% | global cognition |
| 3 | Ballard, 2003 (England) | cohort (dementia | stable | improver) | fair | 150 | 77.9 (2.5) | 80% | ischemic or hem | 39.1% | orientation, language, memory, attention, praxis, calculation, hlcf, visuo-perceptual, global cognition |
| 4 | Banerjee, 2019 (Multinational) | cohort (stroke) | fair | 286 | 73.1 (9.1) | 62% | ischemic or hem |  | global cognition, hlcf, language, attention, orientation, memory |
| 5 | Barker-Collo, 2016 (New Zealand) | cohort (stroke) | fair | 683 | 70.89 (14.11) | 53% | ischemic |  | global cognition, memory, hlcf, psych-mot sp, attention |
| 6 | Ben Assayag, 2015 (Israel) | cohort (stroke) | fair | 468 | 66.7 (9.6) | 62% | first-ever (isch) | 0% | global cognition |
| 7 | Bohannon, 2003 (USA) | cohort (stroke) | fair | 451 | 71.2 (15.1) | 45% | ischemic |  | language, memory |
| 8 | Branco, 2019 (Portugal) | cohort (stroke) | fair | 166 | 68.82 (11.88) | 50% | ischemic |  | global cognition |
| 9 | Bush, 2018 (USA) | cohort (ich) | fair | 106 | 62.2 (14.3) | 53% | hemorrhage | 2.8% | global cognition |
| 10 | Caratozzolo, 2016 (Italy) | cohort (dementia | no dementia) | good | 114 | 76.8 (10.2) | 57% | ischemic or hem | 21.9% | global cognition |
| 11 | Cassidy, 2004 (Ireland) | cohort (stroke) | fair | 50 | 51.4 (8.48) | 58% | first-ever (isch or hem) | 0% | global cognition |
| 12 | Chen, 2016 (China) | cohort (psd | no psd) | good | 207 | 61.7 (11.4) | 65% | ischemic | 15.5% | global cognition |
| 13 | Cherney, 2001 (USA) | cohort (all-stroke | neglect | no neglect) | fair | 52 | 66.19 (13.46) | 64% | first-ever (isch or hem) | 0% | global cognition, language |
| 14 | Cherney, 2007 (USA) | cohort (stroke) | poor | 18 | 66.38 (3.69) | 72% | ischemic or hem |  | memory |
| 15 | da Costa, 2010 (Brazil) | cohort (schooled | illiterate) | poor | 42 | 65.26 (10.72) | 41% | ischemic or hem |  | global cognition, orientation, memory, attention, language |
| 16 | De Boer, 2017 (Netherlands) | cohort (gene non carrier | gene carrier) | good | 60 | 58.5 (11.2) | 62% | ischemic or hem |  | language |
| 17 | Del Ser, 2005 (Spain) | cohort (improving | stable | progressing) | good | 193 | 68.9 (12.9) | 60% | ischemic or hem |  | global cognition |
| 18 | Delgado, 2010 (Chile) | cohort (nci | psci) | fair | 122 | 71.6 (7.5) | 64% | ischemic or hem | 20.5% | global cognition, attention, hlcf, memory |
| 19 | Deniz, 2016 (Turkey) | cohort (stroke) | poor | 40 | 61.03 (10.75) | 62% | ischemic |  | attention, calculation |
| 20 | Denti, 2008 (Italy) | cohort (stroke) | fair | 359 | 80.8 (4.7) | 38% | first-ever (isch or hem) | 0% | global cognition |
| 21 | Ding, 2014 (China) | cohort (psci | no psci) | fair | 20 | 64.3 (9.8) | 56% | first-ever (isch) | 0% | global cognition |
| 22 | Dundar, 2014 (Turkey) | cohort (retro) (robot training + physio | convent physio) | fair | 107 | 66.5 (10.6) | 58% | first-ever (isch or hem) | 0% | global cognition |
| 23 | Firbank, 2007 (UK) | cohort (w/o dementia | w dementia) | fair | 106 | 80.1 (3.7) | 49% | ischemic |  | global cognition, memory |
| 24 | Fonseca, 2018 (Portugal) | cohort (aphasia) | fair | 50 | 66.54 (10.62) | 44% | first-ever (isch) | 0% | memory, visuo-perceptual, hlcf, global cognition, language |
| 25 | Geng, 2017 (China) | cohort (stroke) | good | 796 | 63.1 (10) | 54% | ischemic |  | global cognition |
| 26 | Glymour, 2008 (USA) | cohort (stroke) | good | 272 | 69.18 (10.98) | 52% | ischemic or hem |  | global cognition, memory, language, psych-mot sp, hlcf |
| 27 | Grau-Olivares, 2010 (Spain) | cohort (mci-vasc | nci-vasc) | fair | 30 | 71.7 (12) | 47% | first-ever (isch) | 0% | memory, hlcf |
| 28 | Heruti, 2002 (Israel) | cohort (stroke) | good | 315 | 75.3 (7.6) | 57% | first-ever (isch or hem) | 0% | global cognition |
| 29 | Hinkle, 2010 (USA) | cohort (stroke) | fair | 100 | 65 (15) | 50% | ischemic | 29.2% | global cognition |
| 30 | Hofgren, 2007 (Sweden) | cohort (stroke) | good | 58 | 52 (7.9) | 76% | first-ever (isch or hem) | 0% | global cognition |
| 31 | Huang, 2019 (China) | cohort (dep remitters | dep non-remitters) | good | 820 | 61.67 (11.64) | 61% | ischemic or hem |  | global cognition |
| 32 | Jehkonen, 2000 (Finland) | cohort (right stroke) | good | 57 | 63.23 (10.21) | 64% | ischemic |  | memory, visuo-perceptual |
| 33 | Katz, 1999 (Israel) | cohort (neglect | no neglect) | good | 40 | 57.4 (10.1) | 58% | first-ever (isch or hem) | 0% | visuo-perceptual, orientation, hlcf, global cognition |
| 34 | Kettunen, 2012 (Finland) | cohort (neglect | stroke) | good | 43 | 65 | 70% | first-ever (isch) | 0% | visuo-perceptual |
| 35 | Kim, 2010 (Korea) | cohort (stroke | stroke + insomnia) | good | 30 | 53.9 (10.4) | 60% | first-ever (isch or hem) | 0% | global cognition, attention, memory |
| 36 | Kim, 2018 (Korea) | cohort (preserved cs tract | interrupted cs tract) | poor | 48 | 64 (12.7) | 75% | first-ever (isch or hem) | 0% | global cognition |
| 37 | Ku, 2013 (Taiwan) | cohort (stroke) | fair | 26 | 60.8 (8.7) | 73% | ischemic |  | global cognition |
| 38 | Lee Yeh, 2007 (Taiwan) | cohort (imt <= 0.87 | imt > 0.87) | fair | 30 | 61.36 (10.7) | 71% | first-ever (isch) | 0% | global cognition |
| 39 | Lee, 2009 (China) | cohort (stroke) | good | 222 | 72.3 (9.4) | 63% | first-ever (isch) | 0% | global cognition |
| 40 | Lee, 2015 (Korea) | cohort (stroke) | fair | 29 | 53.3 (15.2) | 50% | first-ever (isch or hem) | 0% | global cognition |
| 41 | Lee, 2018 (Korea) | case-control (retro) (no cnt | cnt) | poor | 125 | 65.1 (11.6) | 55% | ischemic or hem |  | global cognition, orientation, memory, calculation, hlcf, language |
| 42 | Lee, 2019 (South Korea) | cohort (no anxiety | anxiety) | fair | 465 | 64.6 (10.1) | 60% | ischemic | 8.3% | global cognition |
| 43 | Liang, 2019 (China) | cohort (stroke) | good | 573 | 66 (10.3) | 56% | first-ever (isch) | 0% | global cognition |
| 44 | Mehrabian, 2015 (Bulgaria) | cohort (stroke) | fair | 85 | 65.6 (5.6) | 79% | first-ever (isch) | 0% | global cognition, orientation, memory, attention, language, praxis, hlcf, psych-mot sp |
| 45 | Mikami, 2013 (USA) | cohort (no apathy | apathy) | poor | 56 | 62.1 (12.3) | 64% | ischemic or hem |  | global cognition |
| 46 | Mok, 2008 (China) | case-control (healthy | stroke) | good | 61 | 68.9 (9.8) | 37% | healthy | 19.7% | global cognition, hlcf |
| 47 | Nas, 2004 (Turkey) | cohort (stroke) | poor | 40 | 57.1 (12.99) | 40% | ischemic or hem |  | global cognition |
| 48 | Ng, 2013 (Singapore) | cohort (stroke) | good | 1332 | 64.1 (12.6) | 59% | ischemic or hem |  | global cognition |
| 49 | Nijsse, 2017 (Netherlands) | cohort (stroke) | good | 395 | 66.5 (12.2) | 63% | ischemic or hem | 12.7% | hlcf, language, attention, memory, orientation, global cognition |
| 50 | Oh, 2018 (Korea) | cohort (stroke) | good | 52 | 64.77 (13.5) | 83% | ischemic or hem | 11.5% | global cognition, orientation, memory, language, attention, hlcf, visuo-perceptual |
| 51 | Park, 2014 (South Korea) | cohort (stroke) | poor | 24 | 57.5 (8.9) | 73% | first-ever (isch or hem) | 0% | global cognition, memory, attention, psych-mot sp, hlcf |
| 52 | Paul, 2013 (India) | cohort (depressed | non-depressed) | fair | 241 | 64.7 (10.8) | 43% | ischemic or hem | 25.3% | global cognition |
| 53 | Penaloza, 2014 (Spain) | cohort (rh stroke | lh stroke) | fair | 40 | 51.95 (15.05) | 80% | first-ever (isch or hem) | 0% | language, memory |
| 54 | Pendlebury, 2011 (England) | cohort ( tia-tci | tia-no tci | stroke-tci | stroke-no tci) | good | 280 | 75.2 (10.9) | 50% | first-ever (isch or hem) | 0% | global cognition |
| 55 | Penn, 2017 (South Africa) | case-control (aphasia | healthy) | fair | 10 | 49.5 (11.21) | 60% | first-ever (isch or hem) | 0% | memory, language, visuo-perceptual, praxis, calculation, hlcf |
| 56 | Perrier, 2010 (Canada) | cohort (stroke) | fair | 290 | 64.34 (14.3) | 53% | first-ever (isch or hem) | 0% | global cognition, consciousness |
| 57 | Pihlaja, 2014 (Finland) | cohort (fatigue | no fatigue) | poor | 133 | 56.85 (7.3) | 58% | first-ever (isch) | 0% | psych-mot sp, language, hlcf, memory |
| 58 | Pohjasvaara, 2001 (Finland) | cohort (suicidal | not suicidal | all-grouped) | fair | 486 | 69.3 (8.6) | 46% | ischemic | 15.2% | global cognition |
| 59 | Qu, 2015 (China) | controlled intervention (medicine (pharmac) | carot endardect) | poor | 80 | 72.4 (5.1) | 80% | ischemic |  | global cognition |
| 60 | Rachpukdee, 2013 (Thailand) | cohort (stroke) | good | 125 | 61.8 (10.4) | 61% | first-ever (isch or hem) | 0% | consciousness |
| 61 | Rameezan, 2005 (Malaysia) | cohort (stroke) | poor | 51 | 60.2 | 53% | ischemic or hem | 5.9% | global cognition |
| 62 | Rasquin, 2005 (Netherlands) | cohort (vasc brain dam | no vasc brain dam) | fair | 189 | 70.2 (10.1) | 35% | first-ever (isch or hem) | 0% | memory, hlcf, psych-mot sp, calculation, visuo-perceptual, orientation, attention, praxis, language, global cognition |
| 63 | Rengachari, 2011 (USA) | cohort (neglect) | fair | 30 | 60.67 (12.88) | 50% | first-ever (isch or hem) | 0% | visuo-perceptual, language |
| 64 | Riepe, 2003 (Germany) | cohort (stroke) | poor | 209 | 69.8 (13.3) | 56% | ischemic |  | orientation, language, memory, hlcf |
| 65 | Sacher, 2004 (Israel) | cohort (right stroke) | fair | 8 | 54 (14.2) | 75% | first-ever (isch or hem) | 0% | visuo-perceptual |
| 66 | Sagnier, 2017 (France) | cohort (stable | improver) | good | 248 | 61 (13) | 72% | ischemic | 6% | global cognition, hlcf, visuo-perceptual |
| 67 | Sarkamo, 2010 (Finland) | cohort (non amusic | non ac amusic | ac amusic) | good | 53 | 61.2 (10.2) | 67% | first-ever (isch) | 0% | attention, memory, hlcf, visuo-perceptual, language |
| 68 | Schleiger, 2017 (Australia) | cohort (stroke) | good | 35 | 66.54 (13.4) | 66% | ischemic |  | global cognition |
| 69 | Serrano, 2007 (Spain) | cohort (nci | cind | dementia) | fair | 251 | 65.4 (9.3) | 61% | ischemic or hem | 27.5% | global cognition |
| 70 | Sivakumar, 2017 (Canada) | cohort (persist def | transient def | no def) | fair | 115 | 79 | 79% | ischemic | 24.8% | global cognition |
| 71 | Smania, 2013 (Italy) | cohort (sev stroke) | good | 104 | 55.93 (16.56) | 55% | ischemic or hem |  | global cognition |
| 72 | Te Winkel-Witlox, 2008 (Netherlands) | cohort (stroke) | poor | 169 | 56.2 (11.3) | 57% | first-ever (isch or hem) | 0% | global cognition |
| 73 | Tessier, 2017 (France) | cohort (stroke) | good | 56 | 51.7 (13) | 30% | first-ever (isch) | 0% | global cognition |
| 74 | Townend, 2007 (Australia) | cohort (stroke) | good | 127 | 75.6 (13.12) | 48% | ischemic or hem | 31.2% | global cognition |
| 75 | Turunen, 2016 (Finland) | cohort (execut intact | execut imp) | good | 223 | 51.3 (11.3) | 56% | first-ever (isch) | 0% | memory |
| 76 | Wang, 2011 (USA) | cohort (retrospective) (all-grouped | mod impair | sev impair) | good | 1908 | 63.6 (13.5) | 54% | ischemic or hem | 56.6% | global cognition |
| 77 | Wang, 2016 (China) | cohort (stroke) | good | 231 | 67.16 (12.03) | 55% | ischemic | 17.7% | global cognition |
| 78 | Whiting, 2011 (Australia) | cohort (all-stroke | stroke) | good | 186 | 78.1 (6.2) | 50% | ischemic or hem | 21.2% | global cognition |
| 79 | Xia, 2015 (China) | cohort (stroke) | good | 628 | 64.33 (9.17) | 58% | first-ever (isch) | 0% | global cognition, hlcf, visuo-perceptual, language, attention, memory, orientation |
| 80 | Yoon, 2017 (Korea) | cohort (cog stable | cog converter | cog reverter [for normal and declined patients]) | fair | 2625 | 61.52 (12.53) | 69% | first-ever (isch) | 0% | global cognition |
| **Intervention Studies** | | | | | | | | | |
| 81 | Adomaviciene, 2019 (Lithuania) | RCT (non-convent. interv.) | poor | 60 | 66 | 65% | ischemic or hem |  | global cognition, orientation, memory, attention, language |
| 82 | Akinwuntan, 2005 (Belgium) | RCT (non-convent. interv.) | fair | 73 | 54 (12) | 76% | first-ever (isch or hem) | 0% | visuo-perceptual, hlcf |
| 83 | Aydin, 2016 (Turkey) | RCT (non-convent. interv. | usual care) | poor | 144 | 64.43 (11.11) | 61% | ischemic or hem |  | global cognition |
| 84 | Barret, 2011 (USA) | before-after (usual care) | fair | 33 | 66 | 52% | ischemic | 15.2% | global cognition, psych-mot sp, hlcf, consciousness |
| 85 | Bath, 2017 (England) | RCT (pharmacological) | good | 83 | 73 (6.5) | 80% | ischemic or hem | 10% | global cognition, psych-mot sp, hlcf, language |
| 86 | Blanchet, 2016 (Canada) | before-after (non-convent. interv.) | fair | 19 | 61.93 (9.9) | 64% | ischemic or hem |  | memory, attention |
| 87 | Chaiyawat, 2012 (Thailand) | RCT (non-convent. interv. | usual care) | fair | 60 | 67 (10) | 47% | ischemic |  | global cognition |
| 88 | Chang, 2011 (Korea) | randomized study (pharmacological | usual care) | poor | 14 | 55.5 | 67% | first-ever (isch or hem) | 0% | global cognition, memory |
| 89 | Delbari, 2011 (Iran) | RCT (pharmacological | usual care) | poor | 78 | 64.05 (10.8) | 47% | ischemic | 15.4% | global cognition |
| 90 | Ezeugwu, 2018 (Canada) | before-after (usual care) | good | 34 | 64.6 (12.5) | 56% | ischemic or hem |  | global cognition |
| 91 | Fang, 2003 (China) | RCT (clinical interv | usual care) | poor | 156 | 65.49 (10.94) | 66% | ischemic or hem | 14.8% | global cognition |
| 92 | Fang, 2016 (China) | RCT (non-convent. interv. | usual care) | good | 360 | 64.5 (11.9) | 53% | ischemic | 38.3% | global cognition |
| 93 | Grade, 1998 (USA) | RCT (pharmacological | clinical interv) | fair | 21 | 69.8 (3.66) | 40% | ischemic or hem | 28.6% | global cognition |
| 94 | Grau-Sanchez, 2018 (Spain) | RCT (non-convent. interv. | usual care) | good | 40 | 60.1 | 58% | first-ever (isch or hem) | 0% | memory, hlcf, psych-mot sp |
| 95 | Ihle-Hansen, 2014 (Norway) | RCT (non-convent. interv. | usual care) | good | 195 | 72.6 (11.2) | 46% | first-ever (isch or hem) | 0% | psych-mot sp, memory |
| 96 | Kim, 2012 (Korea) | intervention (clinical interv | usual care) | poor | 45 | 61.7 (10.18) | 70% | ischemic or hem |  | global cognition |
| 97 | Kim, 2014 (Korea) | randomized trial (clinical interv) | poor | 20 | 58.2 (8.07) | 60% | ischemic or hem |  | hlcf |
| 98 | Lee, 2017 (Taiwan) | RCT (non-convent. interv. | usual care) | fair | 50 | 59.35 (8.95) | 62% | ischemic or hem | 6.4% | attention |
| 99 | Lin, 2011 (Taiwan) | before-after (non-convent. interv.) | good | 20 | 66 (10.7) | 83% | ischemic | 47.4% | global cognition, psych-mot sp, hlcf, language |
| 100 | Liu-Ambrose, 2015 (Canada) | RCT (non-convent. interv.) | fair | 28 | 62.9 (12.1) | 36% | ischemic or hem |  | hlcf, memory |
| 101 | Newman, 2007 (USA) | RCT (usual care) | good | 3680 | 66.3 (10.8) | 62% | ischemic | 23.3% | global cognition |
| 102 | Ntsiea, 2014 (South Africa) | RCT (non-convent. interv. | usual care) | good | 80 | 45 (8.5) | 52% | ischemic or hem |  | global cognition |
| 103 | Nyberg, 2018 (Norway) | before-after (non-convent. interv.) | poor | 26 | 52.6 (10.3) | 73% | first-ever (isch or hem) | 0% | memory |
| 104 | Pan, 2018 (China) | RCT (pharmacological | usual care) | fair | 170 | 65.6 (7.56) | 72% | ischemic |  | global cognition |
| 105 | Ploughman, 2019 (Canada) | randomized trial (non-convent. interv.) | good | 60 | 62.1 (14.2) | 58% | ischemic or hem |  | hlcf |
| 106 | Poulin, 2017 (Canada) | pilot trial (clinical interv | non-convent. interv.) | fair | 11 | 49 (15.01) | 60% | ischemic or hem |  | psych-mot sp, hlcf, memory |
| 107 | Prior, 2017 (Canada) | before-after (non-convent. interv.) | fair | 80 | 65.4 (11) | 51% | ischemic |  | global cognition, memory, hlcf, language |
| 108 | Rabadi, 2008.1 (USA) | RCT (clinical interv | non-convent. interv.) | fair | 30 | 67.8 (12.66) | 50% | first-ever (isch or hem) | 0% | global cognition |
| 109 | Rabadi, 2008.2 (USA) | RCT (usual care | non-convent. interv.) | good | 116 | 75 (10.58) | 57% | first-ever (isch or hem) | 0% | global cognition |
| 110 | Rand, 2010 (Canada) | before-after (non-convent. interv.) | fair | 11 | 67 (10.8) | 73% | ischemic or hem | 18.2% | memory, hlcf, attention |
| 111 | Rogers, 2019 (Australia) | RCT (non-convent. interv. | usual care) | fair | 21 | 64.3 (17.4) | 40% | ischemic or hem |  | global cognition, hlcf |
| 112 | Rozental-Iluz, 2016 (Israel) | RCT (non-convent. interv. | clinical interv) | fair | 39 | 56.6 (9.6) | 40% | ischemic or hem |  | hlcf |
| 113 | Shi, 2017 (China) | RCT (non-convent. interv. | pharmacological) | fair | 72 | 67.4 (8.5) | 61% | ischemic |  | consciousness |
| 114 | Sholomov, 2010 (Russia) | trial (non-convent. interv. | usual care) | poor | 116 | 52.4 (4.8) | 52% | first-ever (isch) | 0% | global cognition, psych-mot sp, attention |
| 115 | Simis, 2006 (Brazil) | trial (pharmacological | usual care) | poor | 93 | 65.8 (10.4) | 42% | first-ever (isch) | 0% | attention, memory |
| 116 | Tang, 2005 (China) | randomized trial (clinical interv) | poor | 48 | 54.86 (13.4) | 82% | first-ever (isch or hem) | 0% | global cognition |
| 117 | Turan, 2019 (USA) | RCT (non-convent. interv.) | good | 451 | 60.24 (11.28) | 60% | ischemic or hem | 26.2% | global cognition |
| 118 | Wang, 2016 (China) | RCT (pharmacological | non-convent. interv.) | good | 126 | 60.6 (6.7) | 67% | ischemic |  | global cognition |
| 119 | Winkens, 2009 (Netherlands) | RCT (clinical interv | usual care) | good | 37 | 49.5 (8) | 45% | ischemic or hem |  | hlcf |
| 120 | Zengin-Metli, 2018 (Turkey) | controlled intervention (usual care | non-convent. interv.) | poor | 35 | 63.27 (3.88) | 40% | ischemic or hem |  | global cognition |
| 121 | Zhang, 2013 (China) | randomized trial (usual care | pharmacological) | fair | 118 | 64.7 (10.1) | 53% | first-ever (isch) | 0% | global cognition |
| 122 | Zhao, 2017 (China) | non-randomized (pharmacological) | fair | 3644 | 63.45 (11.51) | 75% | ischemic | 67.4% | global cognition |
| *Abbreviations: ac amusic, auditory cortex amusia; cnt, computerized neuropsychologic test; cs tract, corticospinal tract; dep, depression; hlcf, higher-level cognition; ich, intracerebral hemorrhage; imt, intima-media thickness; nci, no cognitive impairment; psci, post-stroke cognitive impairment; psd, post-stroke depression; lf, left hemisphere stroke; rf, right hemisphere stroke; RCT, randomized controlled trial; SD, standard deviation; tia, transient ischemic attack* | | | | | | | | | |