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| **Supplemental Table S1.** Covariates used in multivariable analyses by study. | | | |
| Reference | Multivariable analysis | Multivariable-adjusted OR used in meta-analysis | Covariates used in multivariable analysis |
| Appelros 2004 | Yes | Yes | Modified Rankin Scale, lacunar stroke, ischemic heart disease. |
| Bella 2010 | Yes | No | NA |
| Chatterjee 2010 | Yes | Yes | Age, Barthel Index, number of strokes, hypertension, smoking, blood pressure readings, Mini-Mental State Examination, peripheral arterial disease. |
| Chen 2009 | Yes | No |  |
| Grool 2011 | No | NA | NA |
| Grool 2012 | No | NA | NA |
| Kim 2013 | Yes | Yes | Lacunar stroke, white matter hyperintensities, Pittsburgh compound-B retention ratio (positron emission tomography). |
| Komaki 2008 | No | NA | NA |
| Lavretsky 2008 | Yes | Yes | Cognitive status, age, gender, education. |
| Tang 2011 | Yes | No | NA |
| Van Uden 2011 | No | NA | NA |
| White 2011 | Yes | No | NA |

The details of co-variables used in the multivariable analyses of the included studies are presented in supplemental table S1.