

## Online supplement I

### Search strategy

((((((Artery Disease, Carotid[Title/Abstract]) OR Artery Diseases, Carotid[Title/Abstract])) OR (((((((((((((((((((carotid atherosclerosis[Title/Abstract]) OR extracranial atherosclerosis[Title/Abstract]) OR carotid artery stenosis[Title/Abstract]) OR carotid artery disease[Title/Abstract]) OR carotid stenoses[Title/Abstract]) OR carotid stenosis[Title/Abstract]) OR carotid artery narrowing[Title/Abstract]) OR carotid artery narrowings[Title/Abstract]) OR intracranial arteriosclerosis[Title/Abstract]) OR internal carotid artery stenosis[Title/Abstract]) OR common carotid artery stenosis[Title/Abstract]) OR carotid artery plaque[Title/Abstract]) OR carotid artery plaques[Title/Abstract]) OR carotid artery diseases[Title/Abstract]) OR carotid artery occlusion[Title/Abstract]) OR carotid occlusion[Title/Abstract]) OR carotid arteriopathy[Title/Abstract]) OR stenosis, carotid[Title/Abstract]) OR stenoses, carotid[Title/Abstract]) OR artery stenosis, carotid[Title/Abstract]) OR artery stenoses, carotid[Title/Abstract]) OR stenoses, carotid artery[Title/Abstract]) OR stenosis, carotid artery[Title/Abstract]))) OR "Carotid Artery Diseases"[Mesh]) AND (((((((((((((((((((white matter lesion[Title/Abstract]) OR white matter changes[Title/Abstract]) OR white matter ischaemia[Title/Abstract]) OR white matter lesions[Title/Abstract]) OR white matter hyperintensity[Title/Abstract]) OR white matter diseases[Title/Abstract]) OR white matter disease[Title/Abstract]) OR white matter hyperintensities[Title/Abstract]) OR white matter change[Title/Abstract]) OR white matter ischemia[Title/Abstract]) OR leukoaraiosis[Title/Abstract]) OR leukoencephalopathies[Title/Abstract]) OR disease, white matter[Title/Abstract]) OR diseases, white matter[Title/Abstract]) OR leukoencephalopathy[Title/Abstract])) OR "Leukoaraiosis"[Mesh])

Legend: Representative primary search conducted through PubMed using the search terms listed from inception to September 13, 2017. MeSH, Medical Subject Headings