

Supplementary Table S2. Search Strategy

Comparative studies on humans, English Studies, RCT and Observational studies

Subject Area: Medicine

Time Period: Inception-2022

Exclusion criteria: 1. Case reports 2. Case Series 3. Studies reporting solely on one or the other method of imaging 4. Non-comparable studies 5. Reviews

PUBMED (HITS: 2512)	((((((stroke) OR (stroke[MeSH Terms])) OR ((TIA) OR (TIA[MeSH Terms]))) OR ((transient ischemic attack) OR (transient ischemic attack[MeSH Terms]))) OR ((amaurosis fugax) OR (amaurosis fugax[MeSH Terms]))) AND (((computed tomography angiography) OR (computed tomography angiography[MeSH Terms])) OR ((magnetic resonance angiography) OR (magnetic resonance angiography[MeSH Terms]))) AND ((((((((intraplaque hemorrhage) OR (intraplaque hemorrhage[MeSH Terms])) OR (IPH)) OR (IPH[MeSH Terms])) OR (((lipid-rich necrotic core) OR (lipid-rich necrotic core[MeSH Terms])) OR (LRNC)) OR (LRNC[MeSH Terms])) OR (((Neovascularization) OR (Neovascularization[MeSH Terms])) OR (Neovascularisation)) OR (Neovascularisation[MeSH Terms])) OR ((Inflammation) OR (Inflammation[MeSH Terms])) OR ((Ulceration) OR (Ulceration[MeSH Terms])) OR ((calcification) OR (calcification[MeSH Terms])) OR ((thrombus) OR (thrombus[MeSH Terms])) OR (((thin-fibrous cap) OR (thin-fibrous cap[MeSH Terms])) OR (TFC)) OR (TFC[MeSH Terms])) OR ((carotid plaque vulnerability) OR (carotid plaque vulnerability[MeSH Terms]))))
SCOPUS (HITS: 663)	"stroke" OR "transient ischemic attack" OR "amaurosis fugax") AND ("computed tomography angiography" OR "magnetic resonance angiography") AND ("intraplaque hemorrhage" OR "lipid-rich necrotid core" OR "carotid plaque neovascularization" OR "carotid plaque

	neovascularisation" OR "carotid plaque inflammation" OR "carotid plaque ulceration" OR "carotid plaque calcification" OR "carotid plaque thrombus" OR "thin fibrous cap" OR "carotid plaque vulnerability"
CENTRAL(HITS: 127)	#1 stroke #2 [mh "stroke"] #3 transient ischemic attack #4 [mh "transient ischemic attack"] #5 amaurosis fugax #6 [mh "amaurosis fugax"] #7 TIA #8 [mh "TIA"] #9 computed tomography angiography #10 [mh "computed tomography angiography"] #11 magnetic resonance angiography #12 [mh "magnetic resonance angiography"] #13 intraplaque hemorrhage #14 [mh "intraplaque hemorrhage"] #15 lipid rich necrotic core #16 [mh "lipid rich necrotic core"] #17 neovascularization #18 [mh "neovascularization"] #19 neovascularization #20 [mh "neovascularisation"] #21 inflammation #22 [mh "inflammation"] #23 calcification #24 [mh "calcification"] #25 ulceration #26 [mh "ulceration"] #27 thrombus #28 [mh "thrombus"] #29 vulnerable carotid plaque #30 [mh "vulnerable carotid plaque"] #31 {OR #1-#8} #32 {OR #9-#12} #33 {OR #13-#30} #34 {AND #31-#33}

Total Hits: 3302

Duplicate Screening: 3128

Automatic Tool Duplicate Removal: 135

By Hand Duplicate Removal: 39

Title-Abstract Screening: 51

Data Overlap Screening: 51
Full-Text Screening: 5