

Database	Search strategy	results
Google Scholar	allintitle: "cardioembolic stroke" thrombolytic OR fibrinolytic OR anticoagulant OR thrombectomy OR "endovascular surgery" OR alteplase OR tenecteplase OR "intravenous thrombolysis" OR streptokinase OR rtpa OR embolectomy OR antiplatelet OR reteplase allintitle: "cardio-embolic stroke" thrombolytic OR fibrinolytic OR anticoagulant OR antiplatelet OR thrombectomy OR "endovascular surgery" OR alteplase OR tenecteplase OR "intravenous thrombolysis" OR streptokinase OR rtpa OR embolectomy OR reteplase allintitle: "embolic stroke" thrombolytic OR fibrinolytic OR anticoagulant OR antiplatelet OR thrombectomy OR "endovascular surgery" OR alteplase OR tenecteplase OR "intravenous thrombolysis" OR streptokinase OR rtpa OR embolectomy OR reteplase allintitle: "cardiogenic cerebral embolism" thrombolytic OR fibrinolytic OR anticoagulant OR antiplatelet OR thrombectomy OR "endovascular surgery" OR alteplase OR tenecteplase OR "intravenous thrombolysis" OR streptokinase OR rtpa OR embolectomy OR reteplase allintitle: "cardiac embolic stroke" thrombolytic OR fibrinolytic OR anticoagulant OR antiplatelet OR thrombectomy OR "endovascular surgery" OR alteplase OR tenecteplase OR "intravenous thrombolysis" OR streptokinase OR rtpa OR embolectomy OR reteplase allintitle: "cardiogenic embolic stroke" thrombolytic OR fibrinolytic OR anticoagulant OR antiplatelet OR thrombectomy OR "endovascular surgery" OR alteplase OR tenecteplase OR "intravenous thrombolysis" OR streptokinase OR rtpa OR embolectomy OR reteplase allintitle: "cardiac embolic stroke" thrombolytic OR fibrinolytic OR anticoagulant OR antiplatelet OR thrombectomy OR "endovascular surgery" OR alteplase OR tenecteplase OR "intravenous thrombolysis" OR streptokinase OR rtpa OR embolectomy OR reteplase allintitle: "cardiogenic stroke" thrombolytic OR fibrinolytic OR anticoagulant OR antiplatelet OR thrombectomy OR "endovascular surgery" OR alteplase OR tenecteplase OR "intravenous thrombolysis" OR streptokinase OR rtpa OR embolectomy OR reteplase allintitle: "cardioembolic ischemic stroke" thrombolytic OR fibrinolytic OR anticoagulant OR antiplatelet OR thrombectomy OR "endovascular surgery" OR alteplase OR tenecteplase OR "intravenous thrombolysis" OR streptokinase OR rtpa OR embolectomy OR reteplase	194
Pubmed	(((((((((cardiogenic embolic stroke[Title/Abstract]) OR (Embolic stroke[MeSH Terms])) OR (cardiogenic cerebral embolism[Title/Abstract])) OR (cardioembolic stroke[Title/Abstract])) OR (cardiac embolic stroke[Title/Abstract])) OR (cardio-embolic stroke[Title/Abstract])) OR (cardioembolic ischemic stroke[Title/Abstract])) OR (Cardiogenic stroke[Title/Abstract])) AND (((((((((((((((((((((((Tissue Plasminogen Activator[MeSH Terms]) OR (Thrombolytic Therapy[MeSH Terms])) OR (reteplase [Supplementary Concept])) OR (Tenecteplase[MeSH Terms])) OR (streptokinase[MeSH	844

	Terms))) OR (salivary plasminogen activator alpha 1, Desmodus rotundus [Supplementary Concept])) OR (Alteplase[Title/Abstract])) OR (Tenecteplase[Title/Abstract])) OR (Reteplase[Title/Abstract])) OR (Fibrinolytic therapy[Title/Abstract])) OR (Thrombolytic therapy[Title/Abstract])) OR (Urokinase[Title/Abstract])) OR (rtpa[Title/Abstract])) OR (Streptokinase[Title/Abstract])) OR (Antithrombotic therapy[Title/Abstract])) OR (Intravenous thrombolysis[Title/Abstract])) OR (Thrombectomy[MeSH Terms])) OR (embolectomy[MeSH Terms])) OR (Reperfusion therapy[Title/Abstract])) OR (Intraarterial therapy[Title/Abstract])) OR (Intraarterial thrombolysis[Title/Abstract])) OR (Mechanical thrombectomy[Title/Abstract])) OR (Embolectomy[Title/Abstract])) OR (Thrombectomy[Title/Abstract])) OR (Endovascular thrombectomy[Title/Abstract])) OR (Endovascular Procedures[MeSH Terms])) OR (((((((((((((((((aspirin[MeSH Terms]) OR (Clopidogrel[MeSH Terms])) OR (heparin[MeSH Terms])) OR (enoxaparin[MeSH Terms])) OR (Warfarin[MeSH Terms])) OR (Asa[Title/Abstract])) OR (Aspirin[Title/Abstract])) OR (Clopidogrel[Title/Abstract])) OR (Dapt[Title/Abstract])) OR (Dual antiplatelet therapy[Title/Abstract])) OR (Heparin[Title/Abstract])) OR (Enoxaparin[Title/Abstract])) OR (Low molecular weight heparin[Title/Abstract]))) OR (Warfarin[Title/Abstract])) OR (Vitamin k antagonist[Title/Abstract])) OR (Antiplatelet[Title/Abstract])) OR (Anticoagulant[Title/Abstract]))	
Web of Science	(((TS=(cardiogenic cerebral embolism)) OR TS=(cerebral embolism)) OR TS=(embolic stroke)) OR TS=(cardioembolic ischemic stroke)) OR TS=(cardiac embolism)) OR TS=(brain embolism)) OR TS=(cardiogenic embolism)) OR TS=(cardioembolic stroke)) OR TS=(cardioembolic)) OR TS=(cardiogenic embolic stroke) AND (((TS=(fibrinolytic drug)) OR TS=(fibrinolysis)) OR TS=(thrombolytic agent)) OR TS=(thrombolysis)) OR TS=(thrombolytic drug)) OR TS=(thrombolytic therapy)) OR TS=(recombinant-tissue-type plasminogen activator)) OR TS=(rt-PA)) OR TS=(tissue-type plasminogen activator)) OR TS=(streptokinase)) OR TS=(Alteplase)) OR TS=(Reteplase)) OR TS=(Tenecteplase)) OR TS=(Urokinase)) OR TS=(Prourokinase)) OR TS=(Desmoteplase)) OR TS=(Thrombectomy)) OR TS=(stent-like thrombectomy)) OR TS=(Endovascular thrombectomy)) OR TS=(mechanical Thrombectomy)) OR TS=(embolectomy)) OR TS=(Aspirin)) OR TS=(ASA)) OR TS=(acetylsalicylic acid)) OR TS=(Asaphen)) OR TS=(Entrophen)) OR TS=(Clopidogrel)) OR TS=(plavix)) OR TS=(Prasugrel)) OR TS=(Ticagrelor)) OR TS=(heparin)) OR TS=(warfarin)) OR TS=(apixaban)) OR TS=(dabigatran)) OR TS=(edoxaban)) OR TS=(rivaroxaban)) OR TS=(Low molecular weight heparin)) OR TS=(LMWH)) OR TS=(Dual antiplatelet therapy)) OR TS=(DAPT)) OR TS=(anticoagulant drug)) OR TS=(anticoagulant therapy)) OR TS=(antiplatelet drug)) OR TS=(antiplatelet therapy)	6997
Scopus	(TITLE-ABS-KEY("cardiogenic cerebral embolism") OR TITLE-ABS-KEY("cerebral embolism") OR TITLE-ABS-KEY("embolic stroke") OR TITLE-ABS-KEY("cardiac embolism") OR TITLE-ABS-KEY("brain embolism") OR TITLE-ABS-KEY("cardiogenic embolism") OR TITLE-ABS-KEY("cardioembolic stroke") OR TITLE-ABS-KEY(cardioembolic) OR TITLE-ABS-KEY("cardiogenic embolic stroke")) AND(TITLE-ABS-KEY("fibrinolytic drug*") OR TITLE-ABS-KEY(fibrinolysis) OR TITLE-ABS-KEY("thrombolytic agent*") OR TITLE-ABS-KEY(thrombolysis) OR TITLE-ABS-KEY("thrombolytic drug*") OR TITLE-ABS-KEY("thrombolytic therapy") OR TITLE-ABS-KEY("recombinant-tissue-type plasminogen activator") OR TITLE-ABS-KEY("rt-PA") OR TITLE-ABS-KEY("tissue-type plasminogen activator") OR TITLE-ABS-KEY(streptokinase) OR TITLE-ABS-KEY(Alteplase) OR TITLE-ABS-KEY(Reteplase) OR TITLE-ABS-KEY(Tenecteplase) OR TITLE-ABS-KEY(Urokinase) OR TITLE-ABS-KEY(Prourokinase) OR TITLE-ABS-KEY(Desmoteplase) OR TITLE-ABS-KEY(Thrombectomy) OR TITLE-ABS-KEY("stent-like thrombectomy") OR TITLE-ABS-KEY("Endovascular thrombectomy") OR TITLE-ABS-KEY("mechanical Thrombectomy") OR TITLE-ABS-KEY(embolectomy) OR TITLE-ABS-KEY(Aspirin) OR TITLE-ABS-	6427

	KEY(ASA) OR TITLE-ABS-KEY("acetylsalicylic acid") OR TITLE-ABS-KEY(Asaphen) OR TITLE-ABS-KEY(Entrophen) OR TITLE-ABS-KEY(Clopidogrel) OR TITLE-ABS-KEY(plavix) OR TITLE-ABS-KEY(Prasugrel) OR TITLE-ABS-KEY(Ticagrelor) OR TITLE-ABS-KEY(heparin) OR TITLE-ABS-KEY(warfarin) OR TITLE-ABS-KEY(apixaban) OR TITLE-ABS-KEY(dabigatran) OR TITLE-ABS-KEY(edoxaban) OR TITLE-ABS-KEY(rivaroxaban) OR TITLE-ABS-KEY("Low molecular weight heparin") OR TITLE-ABS-KEY(LMWH) OR TITLE-ABS-KEY("Dual antiplatelet therapy") OR TITLE-ABS-KEY(DAPT) OR TITLE-ABS-KEY("anticoagulant drug") OR TITLE-ABS-KEY("anticoagulant therapy") OR TITLE-ABS-KEY("antiplatelet drug*") OR TITLE-ABS-KEY("antiplatelet therapy"))	
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Supplementary Table 1. Search strategies and the result of search procedure.