Supplementary Table 1: Results of the systematic literature review of reports on patients with cardiac myxoma-related acute ischemic stroke treated with intravenous thrombolysis.

Author/ Year	Age/ Sex	Risk factor	Initial NIHSS	HDA	LVO	Multivessel territories involvement	Peripheral vascular involvement	Intravenous thrombolysis								Cardiac myxoma						Favorable outcome
								OTN (min)	Dose (mg/Kg)	VENI	NIHSS at 24h	HT	sICH	MBE	mRS at 3 months	BT	Site and Diameter (mm)	Irregular surface	Prestroke symptom	Removal time	Drug before removal	Relapse before removal	
Chong, 2005 (1)	74/F	No	6	No	No	Yes	No	180	0.9	No	NA	Yes, SAH and PH2	Yes	No	3	No	LA, 40	NA	TIA	7 d	NA	No	No
Liao, 2006 (2)	47/M	Smoking	18	No	Left M1	No	No	180	0.9	No	3	Yes, HI1	No	No	0	No	LA, NA	NA	Cerebral infarction	NA	NA	No	Yes
Ibrahim, 2008 (3)	51/M	No	22	No	NA	NA	No	84	0.9	No	NA	No	No	No	0	No	LA, 47; RA, 26	No	No	NA	NA	No	Yes
Lin, 2009 (4)	65/M	HTN, COPD, smoking	20	No	NA	NA	No	NA	0.7	Yes	NA	No	No	No	2	No	LA, 56	Yes	No	7 d	NA	No	Yes
Nagy, 2009 (5)	26/M	No	10	No	No	No	No	105	0.9	Yes	2	No	No	No	1	No	LA, 64	Yes	Syncope	2 d	NA	No	Yes
Nishimura, 2010 (6)	72/M	No	17	No	Right ICA, Right M1	No	No	100	0.6	No	17	No	No	No	5	No	LA, 54	Yes	No	36 d	NA	No	No
Ong, 2010 (7)	22/F	No	12	No	Right M1	Yes	No	125	0.6	No	11	No	No	No	2	No	LV, 40	No	Dyspnea, syncope	NA	NA	No	Yes
Abe, 2011 (8)	70/M	No	11	No	Left M1	No	No	92	0.6	Yes	0	No	No	No	0	No	LA, 70	No	No	20 d	Warfarin	No	Yes
Acampa, 2011	63/F	HTN, HLP	19	No	Right M1	No	No	160	0.9	No	19	Yes, HI2	No	No	4	No	LA, 60	No	No	30 d	Aspirin	No	No

(9)																					
Sun, 2011 (10)	45/M	No	16	No	NA	No	No	172	0.9	No	16	No	No	No	3	No	LA, 80	Yes	No	4 d	NA	No	No
Kohno, 2012 (11)	79/M	HTN	24	No	Left MCA	No	No	180	0.6	No	25	Yes, HI1	No	No	4	No	LA, 21	NA	No	Not performed	Warfarin	No	No
Sudhakar, 2012 (12)	64/M	HTN, CHD	NA	No	NA	NA	No	NA	0.9	No	NA	No	No	No	2	No	LV, 25	No	Cardiac arrest, ventricular fibrillation	3 d	NA	No	Yes
Silva, 2012 (13)	69/F	HTN	12	NA	Right MCA	No	Left femoral artery	90	0.9	Yes	5	No	No	Yes	6	No	LA, 20	NA	TIA	2 d	Aspirin, enoxaparin	left femoral artery embolism	No
Hatayama, 2012 (14)	76/M	HTN, DM	17	No	No	Yes	No	155	0.6	No	14	Yes, HI1	No	No	3	No	LA, 35	Yes	No	33 d	Heparin	Cerebral infarction	No
Ružička-Kaloci, 2012 (15)	42/F	No	17	No	No	No	No	NA	0.9	No	NA	No	No	No	2	No	LA, 45	Yes	No	1 d	NA	No	Yes
Alsindi, 2012 (16)	49/F	No	11	No	NA	No	No	NA	0.9	No	NA	No	No	No	2	No	LA, 45	No	No	NA	NA	No	Yes
Habbab, 2014 (17)	52/F	Smoking, CHD	NA	Yes	Right ICA	No	Infrarenal abdominal aorta, iliacs, and superficial femoral arteries	NA	0.9	No	NA	Yes, HI2	No	Yes	5	No	LA, 48	NA	Shortness of breath	Not performed	NA	No	No
Kulkarni, 2014(18)	69/F	HTN,DM	14	No	No	No	No	NA	0.9	Yes	31	Yes, PH2	Yes	No	4	No	LA, 27	Yes	No	Not performed	NA	No	No

Chutinet, 2014(19)	58/M	HTN	20	No	No	Yes	No	140	0.9	No	22	Yes, PH2	Yes	Yes	4	No	LA, 40	Yes	Cerebral infarction	NA	NA	No	No
IsmailII, 2015(20)	42/F	No	21	Yes	Right M1	No	No	210	0.9	Yes	15	No	No	No	4	No	LA, 80	NA	Cough, palpitation and chest tightness	Not performed	Warfarin	No	No
Jia,2016 (21)	53/M	No	14	No	NA	No	No	NA	0.9	No	NA	No	No	No	3	No	LA, 74	NA	No	NA	NA	No	No
Ikeda, 2016 (22)	74/M	HTN, DM, LEASO	7	No	No	Yes	Left upper extremity artery	200	0.9	No	4	No	No	No	2	No	LA, 30	Yes	Cerebral infarction	14 d	Clopidogrel	No	Yes
Dai,2016 (23)	58/F	No	6	No	No	No	No	109	0.9	No	NA	No	No	No	2	No	LA, 66	No	No	7 d	Aspirin	No	Yes
Rao,2016 (24)	62/F	No	2	NA	NA	No	No	NA	0.9	No	NA	No	No	No	0	No	RV, 51	Yes	No	21 d	NA	TIA	Yes
Vidale,2017 (25)	62/F	HTN	18	No	No	No	No	180	0.9	Yes	6	No	No	No	2	No	LV, 60	No	No	4 d	NA	No	Yes
Lee,2017 (26)	77/F	HTN	18	No	NA	NA	Bilateral lower pulmonary arteries	NA	0.9	No	NA	No	No	No	3	No	LA, 46.6 RA, NA	Yes	No	NA	NA	Pulmonary embolism	No
Díaz,2018 (27)	60/F	DM, HLP, COPD, Smoking	NA	No	No	Yes	No	180	0.9	Yes	NA	No	No	No	1	No	LA, NA	Yes	No	15 d	Anticoagul-ants	No	Yes
Han,2018 (28)	57/F	No	4	No	No	Yes	No	NA	0.9	Yes	0	No	No	No	0	No	LA, NA	NA	No	7 d	NA	No	Yes
Alkuwaiti, 2018 (29)	40/M	No	NA	No	NA	Yes	No	NA	0.9	No	NA	No	No	No	0	No	AV, 6	NA	Stroke	14 d	Aspirin, clopidogrel	No	Yes
Kim,2018 (30)	48/M	Smoking	17	No	No	No	No	65	0.9	No	NA	No	No	No	1	No	LA, 30	Yes	No	14 d	NA	No	Yes

Zhang,2020 (31)	53/M	No	15	No	No	Yes	No	90	0.9	No	NA	No	No	No	3	No	LA, 36	Yes	No	Not performed	Aspirin	No	No
Esmaeili, 2020 (32)	31/M	No	10	No	NA	No	No	170	0.9	No	1	No	No	No	0	No	LA, 50	Yes	No	90 h	Heparin	No	Yes
Garcia-Ptacek, 2014 (33)	45/NA	No	22	No	Left M1	Yes	Bilateral iliac and distal aortic thrombosis	100	0.9	No	NA	No	No	No	4	Yes	LA, NA	NA	No	NA	NA	No	No
Garcia-Ptacek, 2014 (33)	34/NA	No	26	No	Left M1, Left A2	Yes	No	190	0.9	No	NA	No	No	No	2	Yes	LA, NA	NA	No	NA	NA	No	Yes
Kamiya, 2014 (34)	48/F	No	32	No	BA, Right M2	Yes	No	120	0.9	No	NA	No	No	No	5	Yes	LA, 54	Yes	No	20 d	Warfarin	No	No
Baek, 2014 (35)	46/M	No	NA	No	Left distal ICA, Left M2	No	No	NA	0.9	No	NA	No	No	No	1	Yes	LA, 42	Yes	No	5 d	NA	Left cilioretinal artery occlusion	Yes
van den Wijngaard, 2014(36)	14/M	No	21	No	Left M1	Yes	No	240	0.9	No	NA	No	No	No	2	Yes	LA, NA	NA	Typical skin lesions	1 d	NA	Left central retinal artery occlusion	Yes
Ryu, 2015 (37)	34/M	Smoking	9	Yes	Right M1	No	No	113	0.6	No	6	Yes, NA	No	No	2	Yes	LA, 14	NA	No	1 m	Warfarin	No	Yes
Uneda, 2016 (38)	70/M	No	11	NA	Left T-ICA, Left M2	Yes	No	175	0.9	No	NA	No	No	No	2	Yes	LA, 40	NA	No	6 d	NA	No	Yes
Chung, 2016 (39)	4/M	No	16	No	Left M1	Yes	No	210	0.6	No	NA	No	No	No	1	Yes	LA, 20	NA	Febrile convulsion	7 d	NA	No	Yes
Zapata-Arri	17/M	No	32	No	Right ICA,	Yes	Left	95	0.9	Yes	NA	Yes,	Yes	Yes	6	Yes	LA,	Yes	No	Not	NA	No	No

aza, 2017(40)					Right M1, Left M1-M2, Right PCA		subclavian artery, abdominal aorta, both iliac and femoral arteries					PH2					NA			performed		
Kuwahara, 2018(41)	31/M	No	9	No	Right M2	No	No	87	0.9	No	NA	No	No	No	0	Yes	LA, NA	NA	No	6 d	NA	No	Yes
Tadi, 2019 (42)	23/F	Smoking, obesity, oral contracept-ive	19	No	Left M1	No	No	NA	0.9	No	10	No	No	No	2	Yes	LA, 70	Yes	No	8d	Aspirin	Cerebral infarction	Yes
Cai, 2019 (43)	61/M	No	16	No	Left M1	No	No	NA	0.9	No	5	No	No	No	0	Yes	LA, 45	NA	No	21 d	Aspirin, clopidogrel	No	Yes
Li, 2019 (44)	61/M	No	14	No	Left M1	No	Left external carotid artery	NA	0.9	No	NA	No	No	No	2	Yes	LA, 32	NA	No	30 d	NA	No	Yes
Zhang, 2020 (45)	15/F	No	26	Yes	Left M1	No	No	60	0.9	No	NA	Yes, SAH and PH2	No	No	3	Yes	LA, 35	NA	No	Not performed	Antiplatelet	No	No
Chang, 2021 (46)	42/F	No	18	No	Left M1	No	No	140	0.9	No	3	No	No	No	0	Yes	LA, 65	Yes	No	2 d	NA	No	Yes

A2=second segment of anterior cerebral artery; AV=aortic valve; BA=basilar artery; BT=bridging therapy; CHD=coronary heart disease; COPD=chronic obstructive pulmonary disease; DM=diabetes mellitus; HDA=high density sign of artery; F=female; HI=hemorrhagic infarction; HLP=hyperlipidaemia; HT=hemorrhagic transformation; HTN=hypertension; ICA=internal carotid artery; LA=left atrium; LEASO=lower extremity arteriosclerosis obliterans; LV=left ventricular; LVO=large vessel occlusion; M=male; M1=proximal segment of middle cerebral artery; M2=second segment of middle cerebral artery; MBE=malignant brain edema; MCA=middle cerebral artery; NA=not available. NIHSS=National Institutes of Health Stroke Scale; mRS=modified Rankin Scale; OTN=Onset-to-needle time; PCA=posterior

cerebral artery; PH=parenchymal hemorrhage; RA=right atrial; RV=right ventricular; SAH=subarachnoid hemorrhage; sICH=symptomatic intracerebral hemorrhage; TIA=transient ischemic attack; VENI=very early neurological improvement;

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