Supplemental tables

Supplemental table 1. Participation centers

Department	Hospital	City	Province	Site PI
Department of	Beijing Tiantan Hospital,	Beijing	Beijing	Zhongrong Miao
Interventional	Capital Medical University	, ,		
Neuroradiology				
Department of	Xiangtan Central Hospital	Xiangtan	Hunan	Guangxiong
Emergency				Yuan
Department of	Linyi People's Hospital	Linyi	Shandong	Hongxing Han
Neurology				6 6
Department of	Zhangzhou Affiliated Hospital	Zhangzho	Fujian	Wenhuo Chen
Neurology	of Fujian Medical University	u		
Department of	Tianjin huanhu hospital	Tianjin	Tianjin	Ming Wei
Neurosurgery				
Department of	Anyang People's Hospital	Anyang	Henan	Jiangang Zhang
Neurology				
Department of	Yijishan Hospital of Wannan	Wuhu	Anhui	Zhiming Zhou
Neurology	Medical College			
Department of	The first people's hospital of	Chenzhou	Hunan	Xiaoxi Yao
Neurology	Chenzhou			
Department of	Bin zhou People's Hospital	Binzhou	Shandong	Guoqing Wang
Neurology				
Department of	Yancheng Third People's	Yancheng	Jiangsu	Weigen Song
Neurology	Hospital			
Department of	Lishui Municipal Central	Lishui	Zhejiang	Xueli Cai
Neurology	Hospital			
Department of	China-Japan Union Hospital of	Changchu	Jinlin	Guangxian Nan
Neurology	Jilin University	n		
Department of	Dalian Municipal Central	Dalian	Liaoning	Di Li
Neurointervention	Hospital affiliated with Dalian			
	Medical University			
Department of	Guangdong Provincial Hospital	Guangzho	Guangdon	Alvin Yi-Chou
Neurosurgery	of Chinese Medicine	u	g	Wang
Department of	ZhongShan City People's	Guangzho	Guangdon	Wentong Ling
Neurology	Hospital	u	g	
Department of	Shantou Central Hospital	Shantou	Guangdon	Chuwei Cai
Neurology			g	
Department of	Nanyang Central Hospital	Nanyang	Henan	Changming Wen
Neurology				
Department of	Taizhou hospital of Zhejiang	Taizhou	Zhejiang	En Wang
Neurology	Province			T. 6
Department of	Liaocheng People's Hospital	Liaocheng	Shandong	Liyong Zhang
Neurosurgery		D .	T	CI I I
Department of	Baotou Centre Hospital	Baotou	Inner	Changchun Jiang
Neurology		GI I	Mongolia	X7 '' Y '
Department of	Shenzhen Hospital, Southern	Shenzhen	Guangdon	Yajie Liu
Neurology	Medical University		g	C I
Department of	Maoming People's Hospital	Maoming	Guangdon	Geng Liao
Neurology	TEL C. LACCULA LITE	C 1	g	W: 1 : C
Department of	The Second Affiliated Hospital	Guangzho u	Guangdon	Xiaohui Chen
Neurology			g	
	University			

Department of	Henan Provincial People's	Zhengzho	Henan	Tianxiao Li
Cerebrovascular	Hospital, Zhengzhou University	u	Tichan	Tiunxiuo Ei
Disease	Trospital, Zhengzhoù emversity			
Department of	Yongchuan Hospital of	Chongqing	Chongqin	Shudong Liu
Neurology	Chongqing Medical University	changqing	g	Shadong Liu
Department of	The affiliated hospital of South	Luzhou	Sichuan	Jinglun Li
Neurology	West medical university	Luziiou	Sicildan	omgran Er
Department of	Shanxi Provincial People's	Taiyuan	Shanxi	Yaxuan Sun
Neurology	Hospital	Taryaan	Shanxi	T dAddit Sun
Department of	The Second Affiliated Hospital	Xiamen	Fujian	Na Xu
Neurology	to Xiamen Medical College	Zuminen	1 ujiun	114 214
Department of	Shengli Oilfield Central	Dongying	Shandong	Zong'en Gao
Neurology	Hospital	Dongying	Shandong	Zong en ouo
Department of	Songyuan Jilin oil Field	Songyuan	Jilin	Dongsheng Ju
Neurology	Hospital	Bongyuun	31111	Dongsheng va
Department of	Liao Cheng the third people's	Liaocheng	Shandong	Cunfeng Song
Interventional	hospital	Lidocheng	Shandong	Cumeng bong
Neuroradiology	позриш			
Department of	The First People's Hospital of	Changzho	Jiangsu	Jinggang Xuan
Neurology	Changzhou	u	Jangsu	Jinggang Adan
Department of	Taiyuan Central Hospital	Taiyuan	Shanxi	Feng Zhou
Neurology	Taryuan Centrai Hospitai	Taryuan	Shanxi	Teng Zhou
Department of	Affiliated Jiangmen Traditional	Jiangmen	Guangdon	Qing Shi
Neurology	Chinese Medicine Hospital of	Jungmen	g	Qing oin
rediology	Ji'nan University		5	
Department of	Sichuan Mianyang 404 Hospital	Mianyang	Sichuan	Jun Luo
Neurology	Sienaan Waanyang 10 1 1105pitai	Wilding	Siendan	Juli Euo
Department of	JingJiang People's Hospital, the	Jingjiang	Jiangsu	Yan Liu
Neurology	Seventh Affiliated Hospital of	Jingjiang	Jangsu	Tan Era
reardings	Yangzhou University			
Department of	Tianjin TEDA Hospital	Tianjin	Tianjin	Zaiyu Guo
Neurosurgery	Trangin 122/11/05prair	1 miljin	1 miljiii	Zuryu Guo
Department of	The second Nanning People's	Nanning	Guangxi	Tong Li
Neurosurgery	Hospital	1 tunning	Guangai	Tong Er
Department of	West China Hospital, Sichuan	Chengdu	Sichuan	Hongbo Zheng
Neurology	University	Chengua	Sicildan	Trongoo Zateng
Department of	First Affiliated Hospital School	Shihezi	Xinjiang	Linzhi Dai
Neurosurgery	of Medicine Shihezi University		Tinjiang	Zinzin z ui
Department of	Siping Central People's Hospital	Siping	Jilin	Junfeng Zhao
Neurology		2-1-1-8		
Emergency and	Langfang Changzheng Hospital	Langfang	Hebei	Liqiang Gui
Critical Stroke				
Ambulance Center				
Department of	Beijing Luhe Hospital, Capital	Beijing	Beijing	Xiaokun Geng
Neurology	Medical University		,,	
Department of	Mianyang Central Hospital	Mianyang	Sichuan	Yufeng Tang
Neurology		,	.,	
Department of	Hangzhou First People's	Hangzhou	Zhejiang	Congguo Yin
Neurology	Hospital	2		
Department of	The affiliated Hospital of	Guiyang	Guizhou	Hua Yang
Neurosurgery	-			
1.carobargery	Calling integretal Chirototty	1	ı	1

Supplemental table 2. Study organization

Department				
2 opur unom	Hospital			
Department of Neurology	Beijing Tiantan Hospital, Capital Medical University			
Department of Neurology	Beijing Tiantan Hospital, Capital Medical University			
Department of Neurology	Beijing Tiantan Hospital, Capital Medical University			
Department of Neurology	University of California at Los Angeles			
Department of Interventional Neuroradiology	Beijing Tiantan Hospital, Capital Medical University			
Department of Neurosurgery	The Affiliated Hospital of Guizhou Medical University			
Department of Neurosurgery, Division of Surgery	St Michael's Hospital, University of Toronto			
g Core Lab				
Tiantan Neuroimaging Center of Excellence (T-NICE)	China National Clinical Research Center for Neurological Diseases			
Tiantan Neuroimaging Center of Excellence (T-NICE)	China National Clinical Research Center for Neurological Diseases			
Tiantan Neuroimaging Center of Excellence (T-NICE)	China National Clinical Research Center for Neurological Diseases			
Department of Neurology	Qilu Hospital, Shandong University			
itoring board				
Neurovascular Center	Changhai Hospital, Naval Medical University			
Department of Medical Statistics	Peking University First Hospital			
Department of Neurology	The Southwest Hospital of Army Medical University			
ittee				
Department of Neurology	Huashan Hospital, Fudan University			
Department of Neurology	The First Affiliated Hospital of Zhengzhou University			
Department of Neurology	Huashan Hospital, Fudan University			
Department of Interventional Neuroradiology	Beijing Tiantan Hospital, Capital Medical University			
	Department of Neurology Department of Neurology Department of Interventional Neuroradiology Department of Neurosurgery Department of Neurosurgery, Division of Surgery Genter of Excellence (T-NICE) Tiantan Neuroimaging Center of Excellence (T-NICE) Tiantan Neuroimaging Center of Excellence (T-NICE) Department of Neurology Itoring board Neurovascular Center Department of Medical Statistics Department of Neurology Ittee Department of Neurology Department of Neurology			

Xiaochuan Huo	Department of Interventional Neuroradiology	Beijing Tiantan Hospital, Capital Medical University				
Gaoting Ma	Department of Interventional Neuroradiology	Beijing Tiantan Hospital, Capital Medical University				
Guangxiong Yuan	Department of Emergency	Xiangtan Central Hospital				
Hongxing Han	Department of Neurology	Linyi People's Hospital				
Wenhuo Chen	Department of Neurology	Zhangzhou Affiliated Hospital of Fujian Medical University				
Ming Wei	Department of Neurosurgery	Tianjin huanhu hospital				
Jiangang Zhang	Department of Neurology	Anyang People's Hospital				
Zhiming Zhou	Department of Neurology	Yijishan Hospital of Wannan Medical College				
Xiaoxi Yao	Department of Neurology	Chenzhou First One Hospital				
Guoqing Wang	Department of Neurology	Bin zhou People's Hospital				
Weigen Song	Department of Neurology	Yancheng Third People's Hospital				
Xueli Cai	Department of Neurology	Lishui Municipal Central Hospital				
Guangxian Nan	Department of Neurology	China-Japan Union Hospital of Jilin University				
Di Li	Department of Neurointervention	Dalian Municipal Central Hospital affiliated with Dalian Medical University				
Yizhou Wang	Department of Neurosurgery	Guangdong Provincial Hospital of Chinese Medicine				
Wentong Ling	Department of Neurology	ZhongShan City People's Hospital				
Chuwei Cai	Department of Neurology	Shantou Central Hospital				
Changming Wen	Department of Neurology	Nanyang Central Hospital				
En Wang	Department of Neurology	Taizhou hospital of Zhejiang Province				
Liyong Zhang	Department of Neurosurgery	Liaocheng People's Hospital				
Changchun Jiang	Department of Neurology	Baotou Centre Hospital				
Yajie Liu	Department of Neurology	Shenzhen Hospital, Southern Medical University				
Geng Liao	Department of Neurology	Maoming People's Hospital				
Xiaohui Chen	Department of Neurology	The Second Affiliated Hospital of GuangZhou Medical University				
Tianxiao Li	Department of Cerebrovascular Disease	Henan Provincial People's Hospital, Zhengzhou University				
Shudong Liu	Department of Neurology	Yongchuan Hospital of Chongqing Medical University				
Jinglun Li	Department of Neurology	The affiliated hospital of South West medical				

		university		
Yaxuan Sun	Department of Neurology	Shanxi Provincial People's Hospital		
Na Xu	Department of Neurology	The Second Affiliated Hospital to Xiamen Medical College		
Zong'en Gao	Department of Neurology	Shengli Oilfield Central Hospital		
Dongsheng Ju	Department of Neurology	Songyuan Jilin oil Field Hospital		
Cunfeng Song	Department of Interventional Neuroradiology	Liao Cheng the third people's hospital		
Jinggang Xuan	Department of Neurology	The First People's Hospital of Changzhou		
Feng Zhou	Department of Neurology	Taiyuan Central Hospital		
Qing Shi	Department of Neurology	Affiliated Jiangmen Traditional Chinese Medicine Hospital of Ji'nan University		
Jun Luo	Department of Neurology	Sichuan Mianyang 404 Hospital		
Yan Liu	Department of Neurology	JingJiang People's Hospital, the Seventh Affiliated Hospital of Yangzhou University		
Zaiyu Guo	Department of Neurosurgery	Tianjin TEDA Hospital		
Tong Li	Department of Neurosurgery	The second Nanning People's Hospital		
Hongbo Zheng	Department of Neurology	West China Hospital, Sichuan University		
Linzhi Dai	Department of Neurosurgery	First Affiliated Hospital School of Medicine Shihezi University		
Junfeng Zhao	Department of Neurology	Siping Central People's Hospital		
Liqiang Gui	Emergency and Critical Stroke Ambulance Center	Langfang Changzheng Hospital		
Xiaokun Geng	Department of Neurology	Beijing Luhe Hospital, Capital Medical University		
Yufeng Tang	Department of Neurology	Mianyang Central Hospital		
Congguo Yin	Department of Neurology	Hangzhou First People's Hospital		
Hua Yang	Department of Neurology	The affiliated Hospital of Guizhou Medical University		

Supplemental table 3. Registered Large infarct core volume thrombectomy trials

Trial	TENSION	LASTE	TESLA	RESCUE - Japan LIMIT	SELECT - 2	ANGEL - ASPECT
NCT number	NCT03094715	NCT03811769	NCT03805308	NCT03702413	NCT03876457	NCT04551664
Participating Country(ies)	Europe, Canada	Europe, United States	United States	Japan	United States, Canada, Europe	China
Major imaging inclusion criteria	NCCT or DWI ASPECTS 3-5	NCCT or DWI ASPECTS 0-5 (4-5 for > 80 y)	NCCT or ASPECTS 2 - 5	CT ASPECTS 3-5 or DWI ASPECTS 3-5	1. ASPECTS ≥6 and CTP core ≥50 cc 2. ASPECTS 3 - 5 and core ≥50 cc 3. ASPECTS 3 - 5 and core <50 cc	1. ASPECTS 3-5 2. ASPECTS >5 (>6 h) and core 70-100 cc 3. ASPECTS <3 and core 70- 100 cc

Trial	TENSION	LASTE	TESLA	RESCUE - Japan LIMIT	SELECT - 2	ANGEL - ASPECT
NIHSS score	<26	>5	>6	≥6	≥6	6 - 30
Age, y	>18	≥18	18 - 85	>18	18 - 85	18 - 80
Time window	<12 h LSW	<6.5 h LKW	Random <24 h	Random <6 h LKW, 6 - 24 FLAIR (-)	Treat <24 h (0-12 vs 6- 24)	Random <24 h
Occlusion site	Terminal ICA and MCA M1	Intracranial ICA, MCA M1 or M1-M2	Terminal ICA and M1	Terminal ICA and M1	ICA or MCA M1, tandem	Terminal ICA and/or MCA M1 Tandem occlusion included
Required time limit from randomization to puncture	No	Yes Randomization to arterial access 30 min	No	Yes Randomization to arterial access 60 min	No	Yes Randomization to arterial access 60 min
Bridging therapy permitted	Yes	Yes	Yes	Yes	Yes	Yes
Intervention model	EVT, no specified device	EVT, no specified device	FDA - approved EVT devices	EVT, no specified device	EVT with SR Device: Trevo, Solitaire, and EmboTrap	EVT, IA - thrombolysis, angioplasty Device: Solitaire, EMBOTRAP, Reco SR, Penumbra aspiration catheter, or CFDA - approved EVT devices
Major exclusion criteria	Mass effect on CT Vascular disease prevent MT (eg, aortic dissection or aneurysm, no arterial transfemoral access)	Suspicion of aortic dissection, excessive tortuosity of cervical vessels on vascular imaging Multiple occlusion Cervical tandem lesion that requires stent placement	Refractory hypertension Mass effect on CT Tandem lesion Difficult endovascular access on vascular images	Mass effect on CT Clinical evidence of chronic occlusion High risk of hemorrhage (platelet <40,000/ µL, APTT >50 s or PT- INR >3.0)	Mass effect on CT Inability to undergo CTA and/or CTP tPA 3-4.5 h With special situation* ICA dissection or aortic dissection Multiple occlusions	Refractory hypertension Mass effect on CT Multiple occlusions INR >1.7 or APTT >35 s; platelet count <100×10°/L
Primary outcome	mRS score shift analysis	mRS score at 90 and 180 d	Utility - weighted 90 - d mRS score	mRS score 0 - 3 at 90 d	Shift on 90 - d mRS score	mRS score at 90 d
Actual study start date	July 20, 2018	April 7, 2019	July 16, 2019	November 2018	October 11, 2019	September 28, 2020

Source: https://clinicaltrials.gov. ANGEL-ASPECT, Study of EVT in Acute Anterior Circulation LVO Patients with a largE infarCT core; Core: rCBF <30% on CT perfusion or ADC <620. ADC indicates apparent diffusion coefficient; APTT, activated partial thromboplastin time; ASPECTS, Alberta Stroke Program Early CT Score; CFDA, China Food and Drug Administration; CT, computed tomography; CTA, computed tomography angiography; CTP, computed tomography perfusion; DWI, diffusion-weighted imaging; EVT, endovascular treatment; FDA, US Food and Drug Administration; FLAIR, fluid-attenuated inversion recovery; IA, intra-arterial; ICA, internal carotid artery; INR, international normalized ratio; LASTE, Large Stroke Therapy Evaluation; LKW, last known well; LSW, last seen well; LVO, large vessel occlusion; MCA, middle cerebral artery; mRS, modified Rankin Scale; MT, mechanical thrombectomy; NCCT, noncontrast CT; NCT, National Clinical Trial; NIHSS, National Institutes of Health Stroke Scale; PT-INR, Pro-thrombin Time-International Normalized Ratio; RESCU-Japan LIMIT, Randomized Controlled Trial of Endovascular Therapy for Acute Large Vessel Occlusion With Large Ischemic Core; rCBF, relative cerebral blood flow; SELECT-2, Thrombectomy for Emergent Salvage of Large Anterior Circulation Ischemic Stroke; SR, stent retriever; TESLA, Thrombectomy for Emergent Salvage of Large Anterior Circulation Ischemic Stroke and tPA, tissue plasminogen activator.

^{*(1)} Age >80 y, (2) current anticoagulant use, (3) history of diabetes and prior stroke, (4) NIHSS >25, and (5) ischemic involvement of more than one-third of MCA territory.