

Table 1. Characteristics of the included studies

Study	Patients	Intervention		Comparison		Outcomes of interest reported	Follow-up
		Type	Characteristics	Type	Characteristics		
Wang, 2021 <i>CHANCE-2</i>	Individuals (>40 years) with minor IS or high-risk TIA who carried <i>CYP2C19</i> LoF alleles	Ticagrelor (180 mg loading dose followed by 90 mg twice daily), and placebo clopidogrel Background: ASA (75 to 300 mg loading dose followed by 75 mg daily for 21 days)	n = 3205 Median (IQR) age: 65.0 (57.0-71.7) y Female (%): 34.0% Current smoker (%): 31.0% <u>Medical history</u> Hypertension: 73.5% Dyslipidemia: 27.7% DM: 32.2% Previous IS: 20.9% Previous TIA: 1.4% MI: 1.7% <u>Qualifying event (%)</u> IS: 80.4% TIA: 19.6%	Clopidogrel (300 mg loading dose followed by 75 mg per day) and placebo ticagrelor Background: ASA (75 to 300 mg loading dose followed by 75 mg daily for 21 days)	n = 3207 Median (IQR) age: 64.6 (56.9-71.1) y Female (%): 33.7% Current smoker (%): 30.7% <u>Medical history</u> Hypertension: 74.0% Dyslipidemia: 27.9% DM: 31.5% Previous IS: 21.2% Previous TIA: 1.3% MI: 1.3% <u>Qualifying event (%)</u> IS: 80.5% TIA: 19.5%	Stroke recurrence Mortality Any major cardiovascular event Major bleeding Intracranial hemorrhage Adverse events	90 days
Wang, 2019 <i>PRINCE*</i>	Patients (40-80 years) who had had an acute minor IS or high-risk TIA who carried <i>CYP2C29</i> LoF alleles	Ticagrelor (180 mg loading dose followed by 90 mg twice daily) Background: ASA (100 to 300 mg loading dose followed by 100 mg daily for 21 days)	n = 184 Median (IQR) age: 61 (55-67) y Female (%): 21.2% Current smoker (%): 49.5% <u>Medical history (%)</u> Hypertension: 63% Dyslipidemia: 6.5% DM: 27.7% Previous IS: 20.7%	Clopidogrel (300 mg loading dose followed by 75 mg once daily) Background: ASA (100 to 300 mg loading dose followed by 100 mg daily for 21 days)	n = 190 Median (IQR) age: 61 (53-66) y Female (%): 29.5% Current smoker (%): 44.7% <u>Medical history (%)</u> Hypertension: 61.6% Dyslipidemia: 4.7% DM: 25.3%	Stroke recurrence Mortality Any major cardiovascular event Major bleeding Intracranial hemorrhage	90 days

			Previous TIA: 1.6% CAD: 6.0% AF: 0% Flutter Valvular heart disease: 0.5% <u>Qualifying event (%)</u> Minor stroke: 82.5% TIA: 17.5%		Previous IS: 18.4% Previous TIA: 4.2% CAD: 7.9% AF: 2.1% Flutter Valvular heart disease: 0% <u>Qualifying event (%)</u> Minor stroke: 85.8% TIA: 14.2%		
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Abbreviations: AF = atrial fibrillation; CAD = coronary artery disease; DM = diabetes mellitus; IS = ischemic stroke; LoF = loss-of-function; MI = myocardial infarction; SD = standard deviation; TIA = transient ischemic attack.

* Results of genetic substudy are presented only