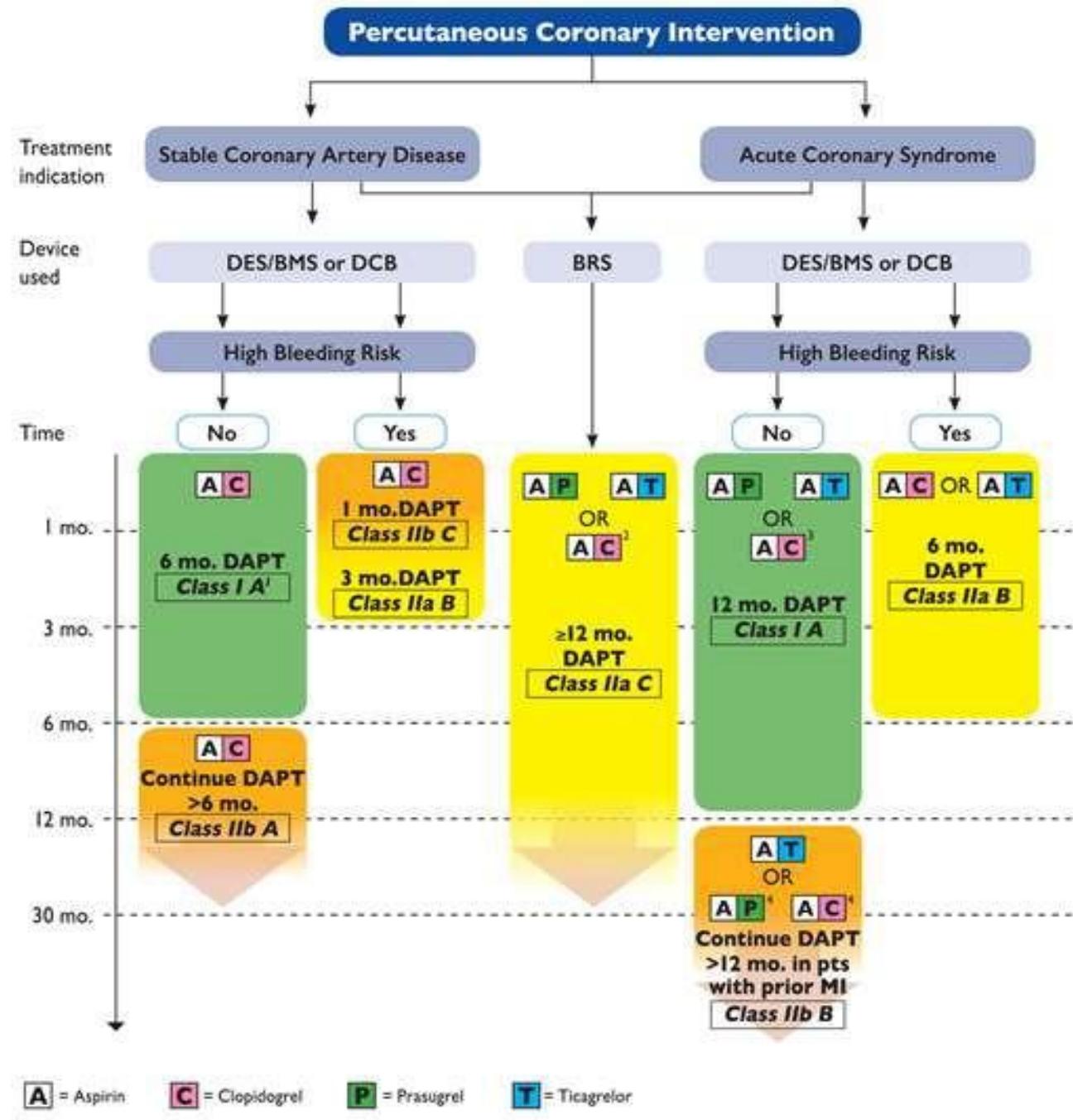


Nahradí monoterapie clopidogrelem aspirin v dlouhodobé sekundární prevenci po koronární intervenci?

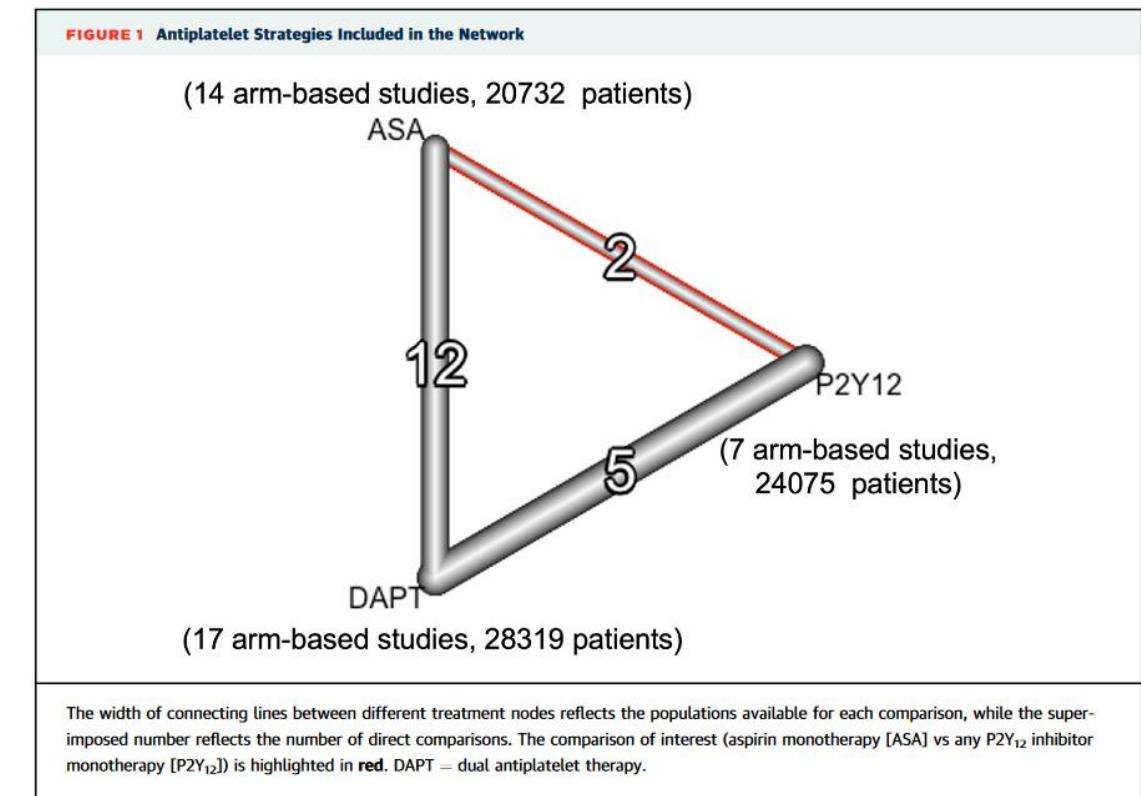
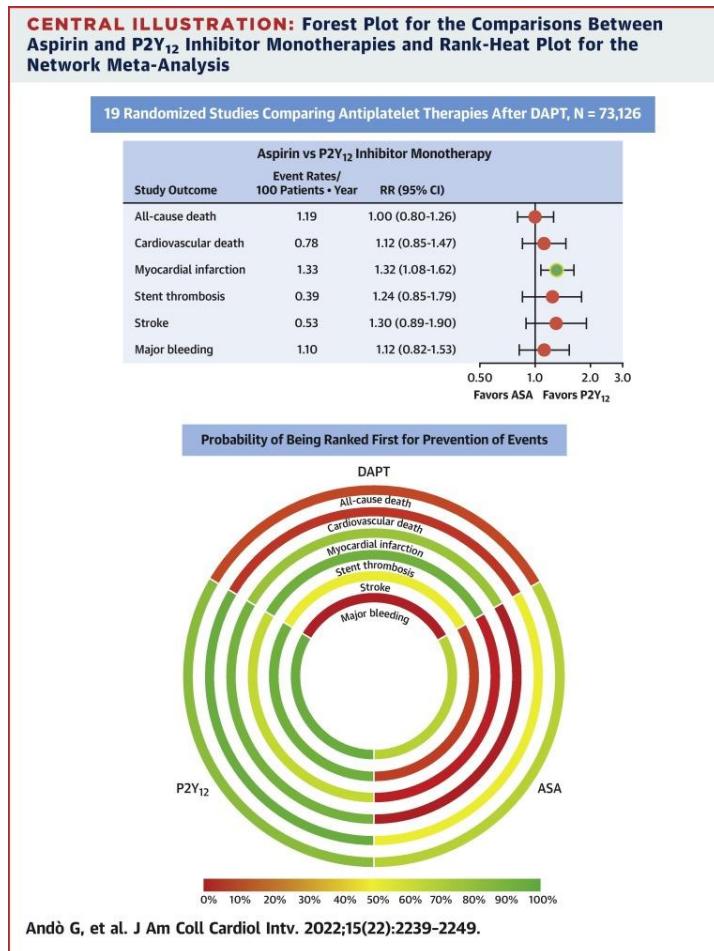
Petr Kala

FN Brno a LF MU



**A** = Aspirin**C** = Clopidogrel**P** = Prasugrel**T** = Ticagrelor

Metaanalýza ASA vs P2Y₁₂ monoth



Metaanalyza ASA vs P2Y12 monoth

Ando et al. JACC VI 2022

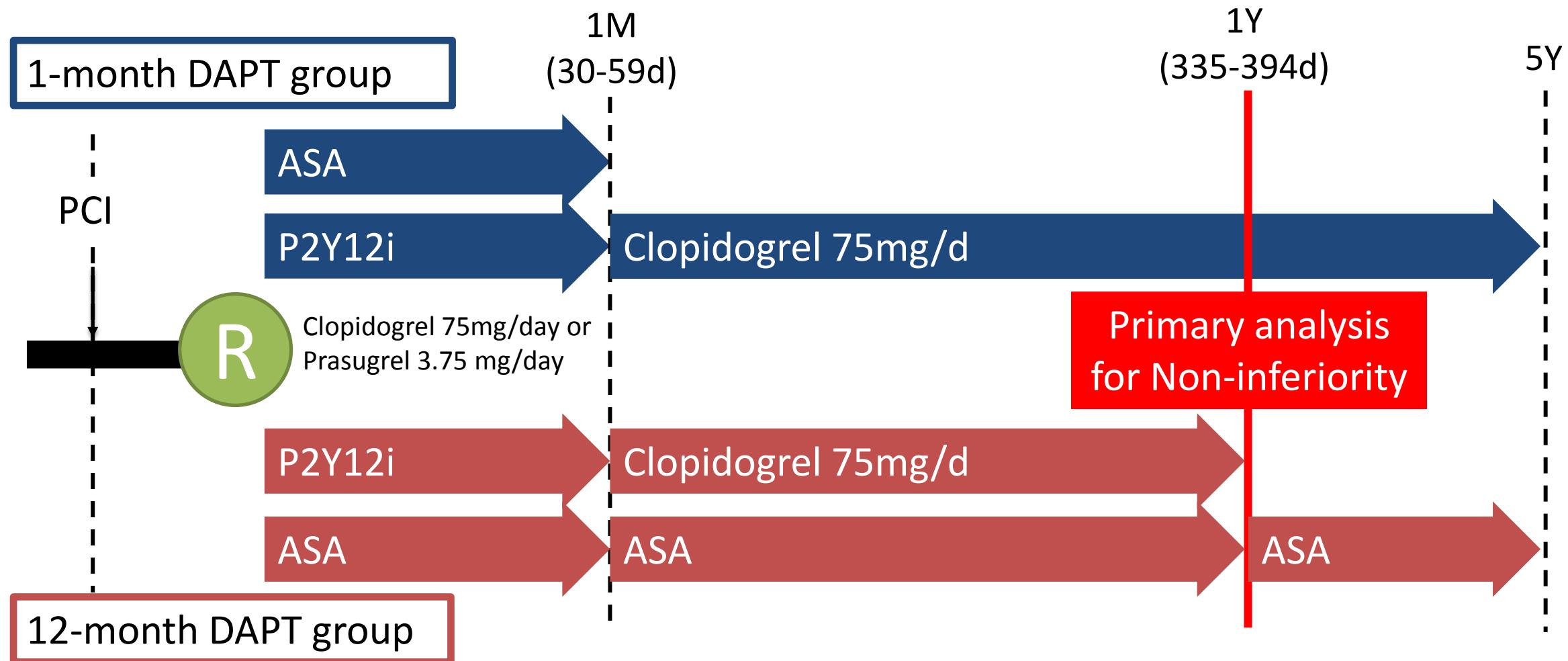
TABLE 1 Design of Studies Included in the Systematic Review

Trial	N	Timing of Randomization After PCI	Treatment Before DAPT Interruption in Any of the Trial Arms	Timing of DAPT Interruption in Any of the Trial Arms	Treatment After DAPT Interruption in Any of the Trial Arms	Timing of the Primary Endpoint
P2Y ₁₂ -I monotherapy (experimental) vs DAPT (control)						
GLOBAL LEADERS, first year	7,980	In-hospital	DAPT (ticagrelor + ASA)	1 mo	SAPT (ticagrelor)	12 mo
	7,988		DAPT (clopidogrel + ASA in patients with CCS) (ticagrelor + ASA in patients with ACS)		DAPT (clopidogrel + ASA in patients with CCS) (ticagrelor + ASA in patients with ACS)	
SMART-CHOICE	1,495	0-3 mo	DAPT (clopidogrel or prasugrel or ticagrelor + ASA)	3 mo	SAPT (clopidogrel or prasugrel or ticagrelor)	12 mo
	1,498		DAPT (clopidogrel or prasugrel or ticagrelor + ASA)		DAPT (clopidogrel or prasugrel or ticagrelor + ASA)	
SMART-EXAM ^a	1,500	In-hospital	DAPT (clopidogrel + ASA)	1 mo	SAPT (clopidogrel + ASA)	12 mo
	1,509		DAPT (clopidogrel + ASA)		DAPT (clopidogrel + ASA)	
TICO	1,527	In-hospital	DAPT (ticagrelor + ASA)	3 mo	SAPT (ticagrelor)	12 mo
	1,529		DAPT (ticagrelor + ASA)		DAPT (ticagrelor + ASA)	
TWILIGHT	3,555	3 mo (event-free patients)	DAPT (ticagrelor + ASA)	3 mo	SAPT (ticagrelor)	12 mo
	3,564		DAPT (ticagrelor + ASA)		DAPT (ticagrelor + ASA)	

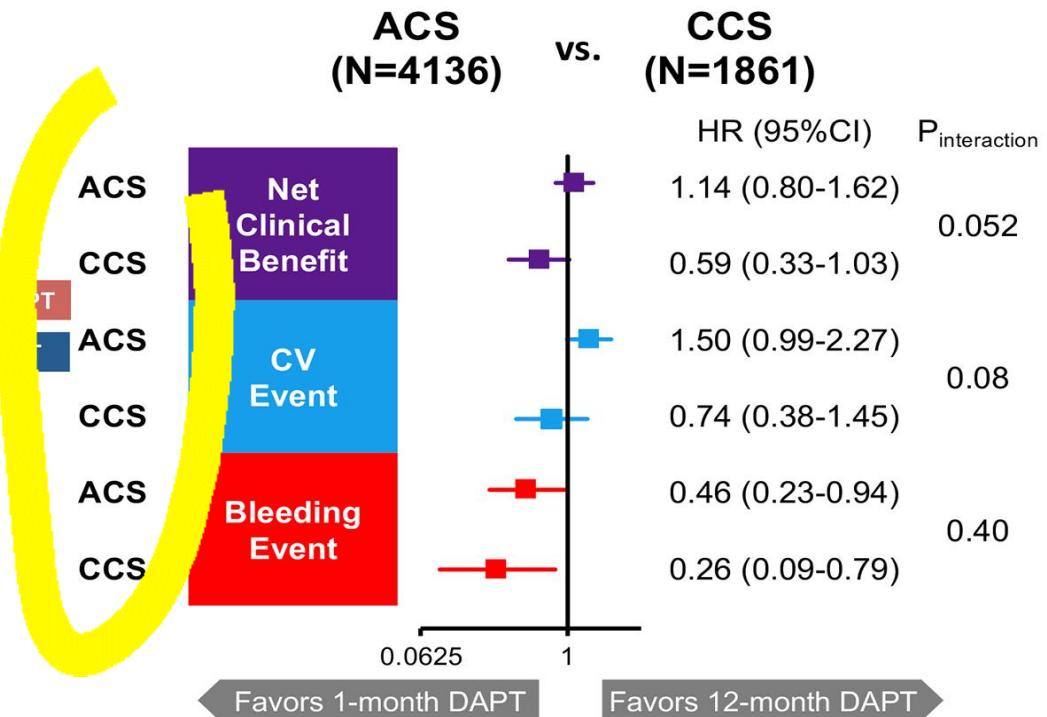
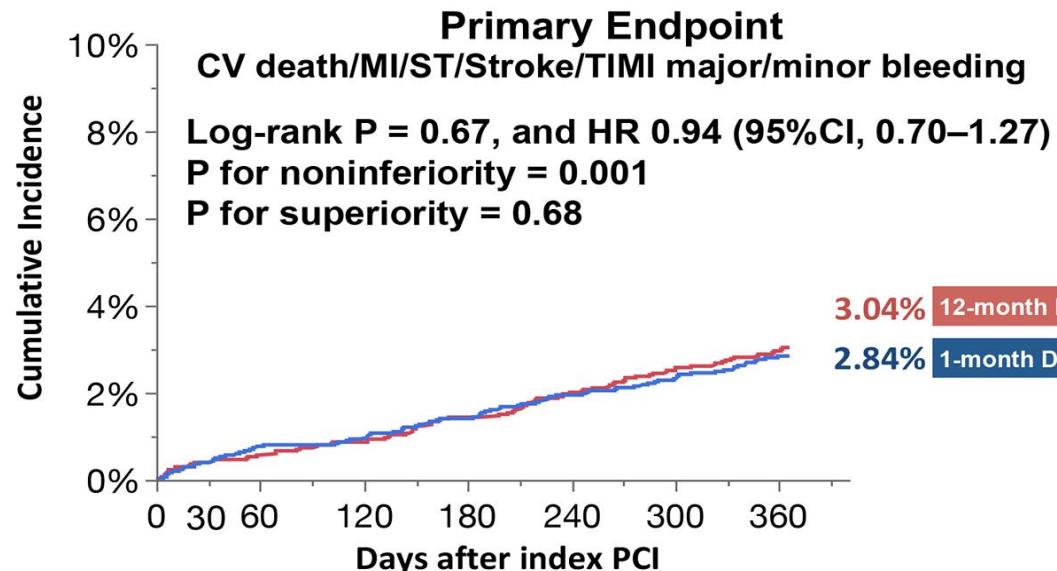
P2Y ₁₂ -I monotherapy (experimental) vs ASA (control)						
GLOBAL LEADERS, second year	5,308	Patients event free at 1 y post-PCI and adherent to assigned treatment were included	SAPT (ticagrelor) DAPT (clopidogrel + ASA in patients with CCS) (ticagrelor + ASA in patients with ACS)	12 mo	SAPT (ticagrelor) SAPT (ASA)	12 mo
SMART-EXAM ^a	2,710	6-18 mo ^a (event-free patients)	DAPT (clopidogrel or prasugrel or ticagrelor + ASA)	6-18 mo ^a	SAPT (ASA)	
	2,728		DAPT (clopidogrel or prasugrel or ticagrelor + ASA)			

STOPDAPT-2:

Prospective multicenter open-label randomized trial
comparing 1-month versus 12-month DAPT after CoCr-EES implantation
with limited exclusion criteria.



Clopidogrel Monotherapy After 1-Month Dual Antiplatelet Therapy In Percutaneous Coronary Intervention: From the STOPDAPT-2 Total Cohort

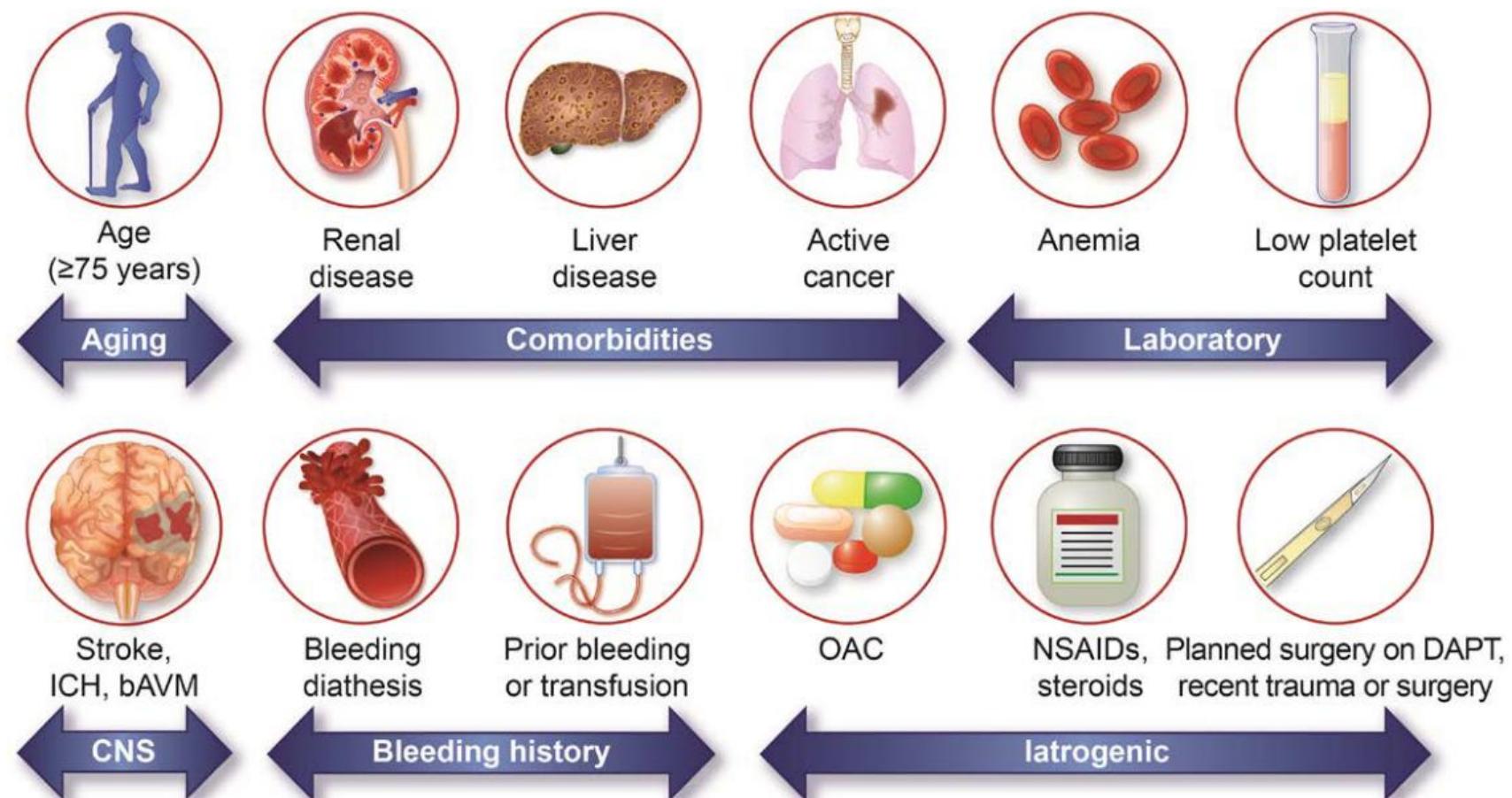


Yuki Obayashi. Circulation: Cardiovascular Interventions. Clopidogrel Monotherapy After 1-Month Dual Antiplatelet Therapy in Percutaneous Coronary Intervention: From the STOPDAPT-2 Total Cohort, Volume: 15, Issue: 8, Pages: e012004, DOI: (10.1161/CIRCINTERVENTIONS.122.012004)

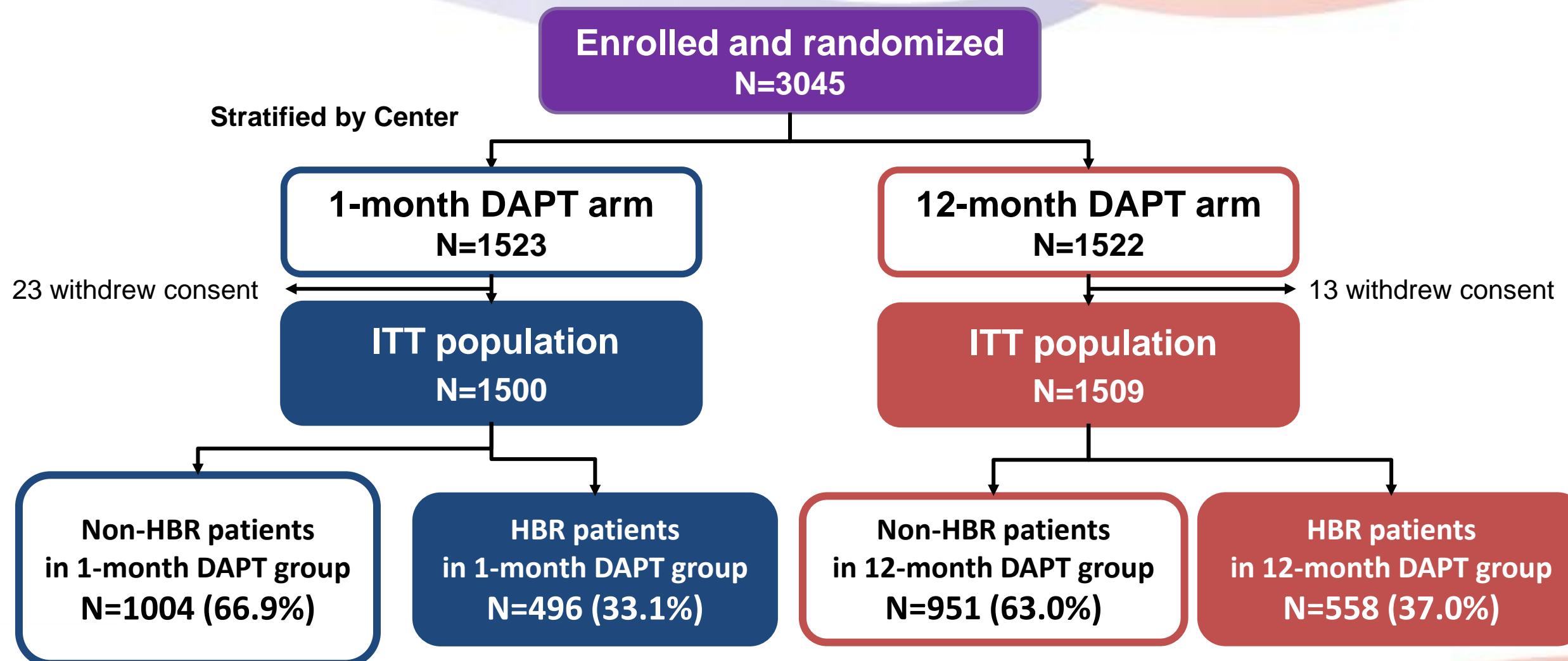
© 2022 The Authors. Circulation: Cardiovascular Interventions is published on behalf of the American Heart Association, Inc., by Wolters Kluwer Health, Inc. This is an open access article under the terms of the Creative Commons Attribution Non-Commercial-NoDerivs License, which permits use, distribution, and reproduction in any medium, provided that the original work is properly cited, the use is noncommercial, and no modifications or adaptations are made.

ARC-HBR

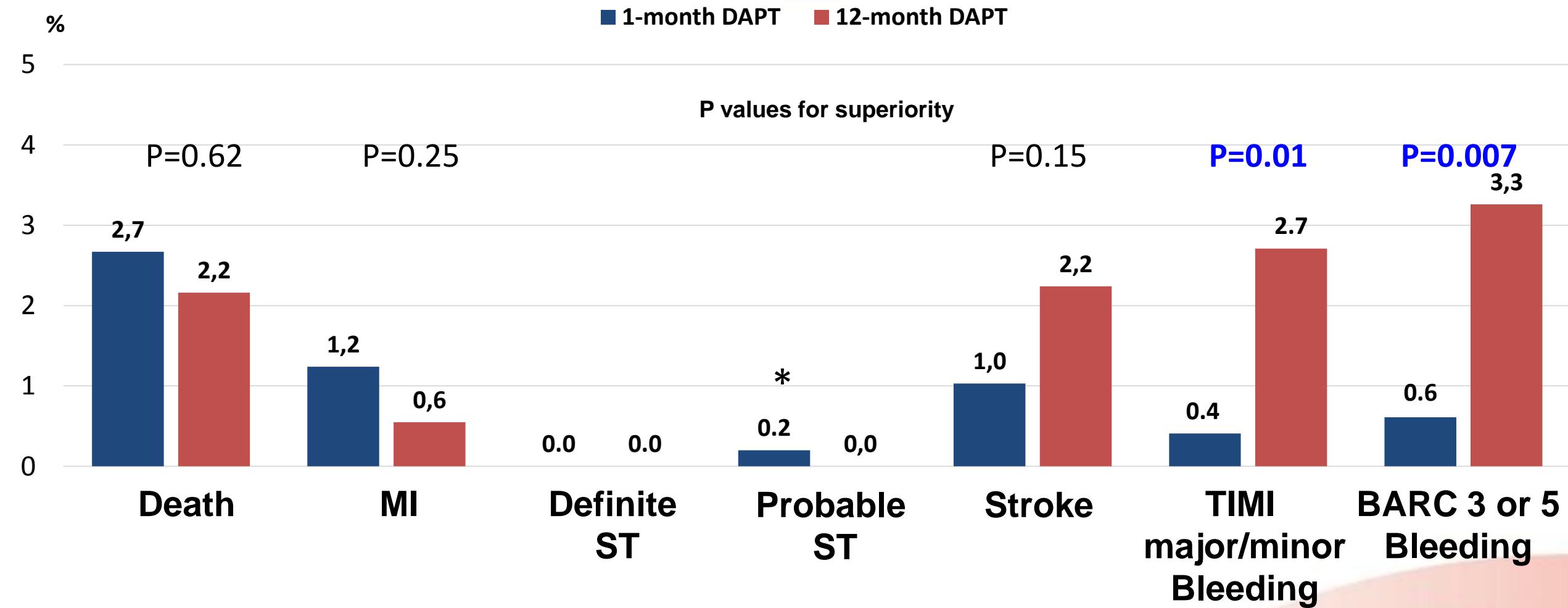
- Newly proposed ARC-HBR criteria provided standardization of HBR definition



Study Flow



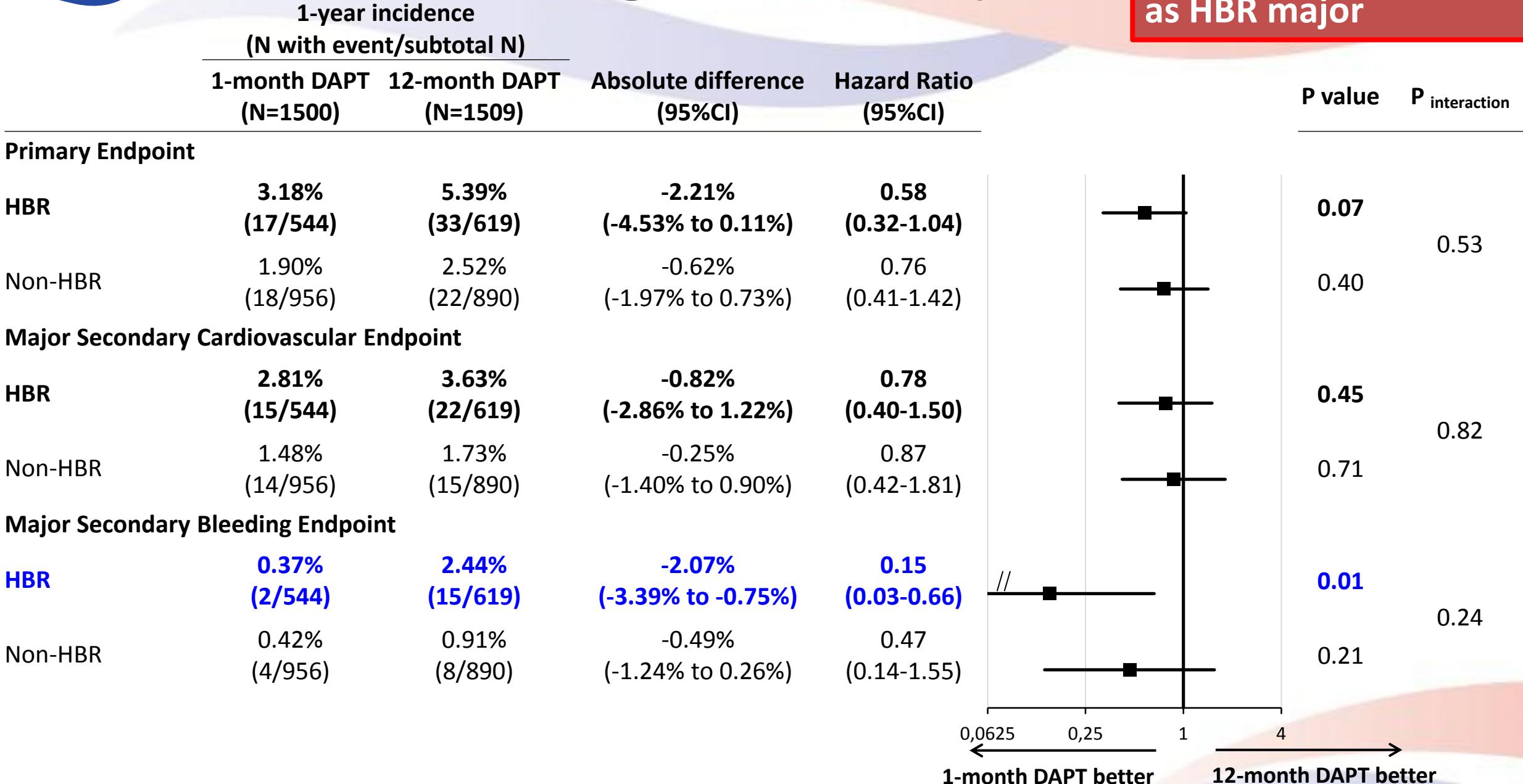
Clinical Outcomes at 1 year in HBR stratum



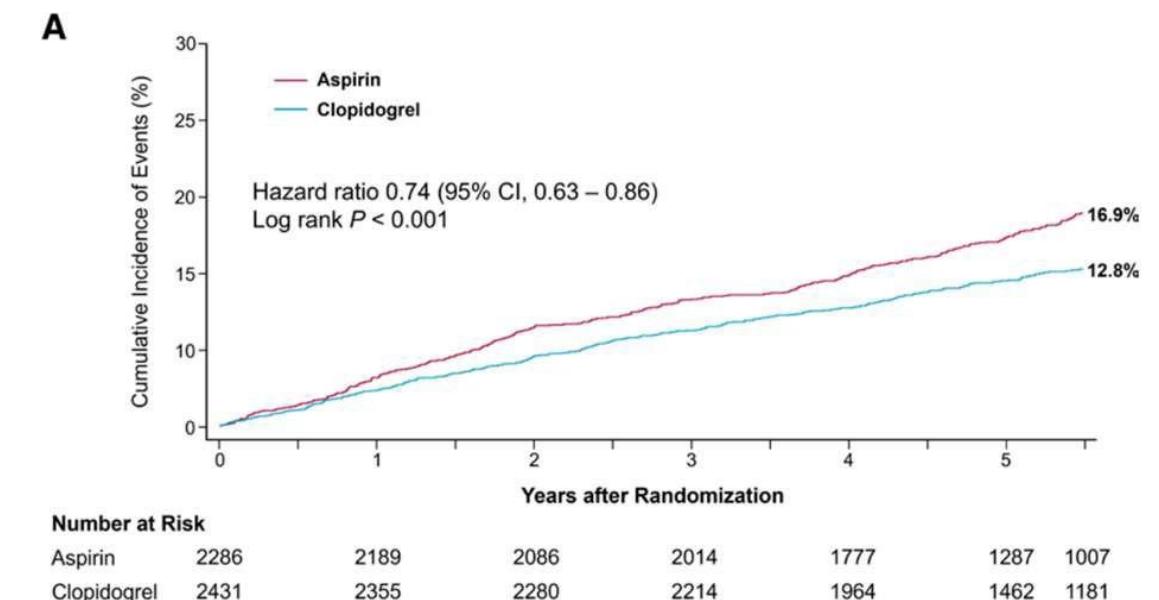
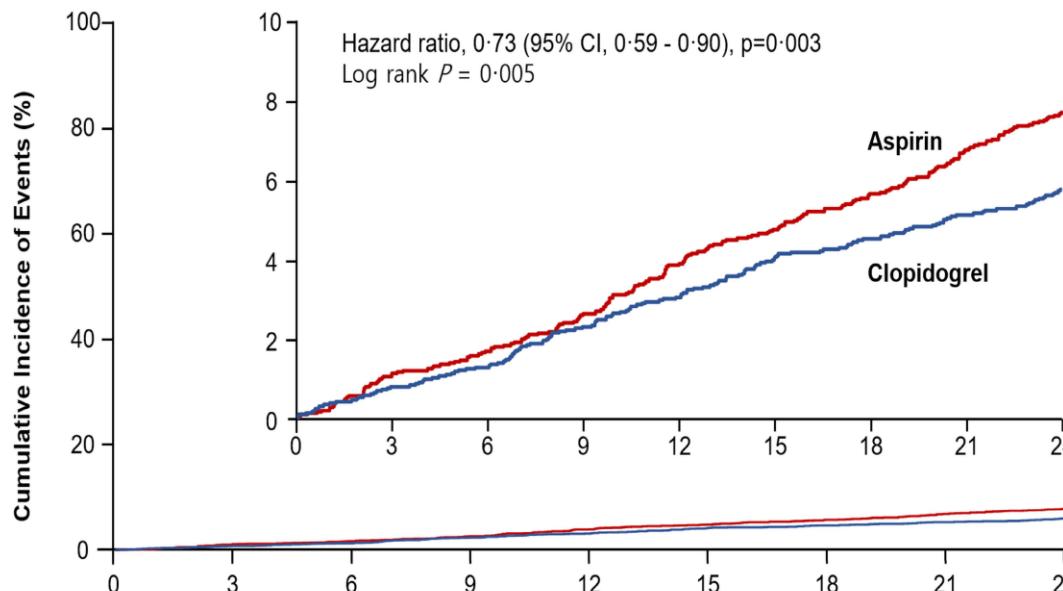
* 1 undefined death before discontinuing DAPT at 1-month

HBR subgroup analysis

Inc. Malignancy (8.5%)
as HBR major



HOST-EXAM RCT



BK Koo, J Kang, KW Park, HS Kim et al. Lancet 2021

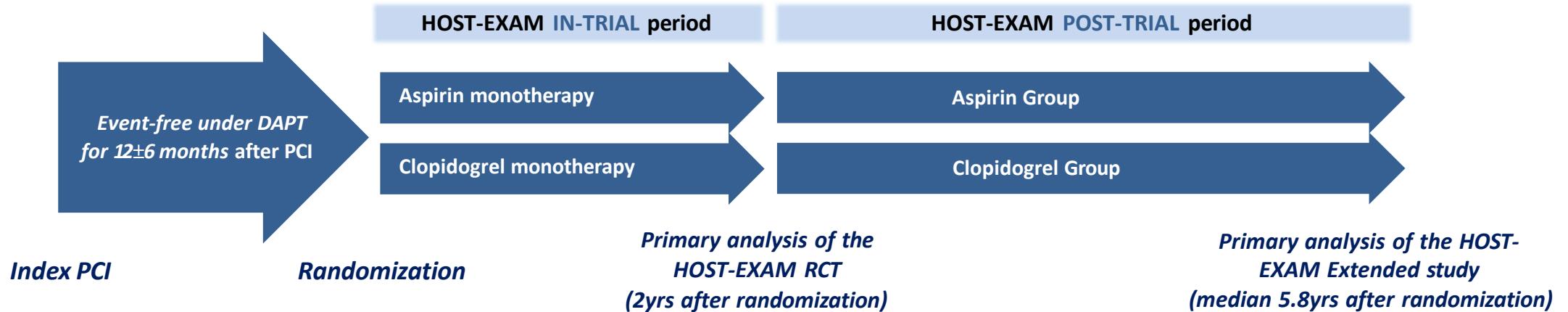
J Kang, KW Park, HS Kim, et al. Circulation 2023

HOST-EXAM RCT

Study Population

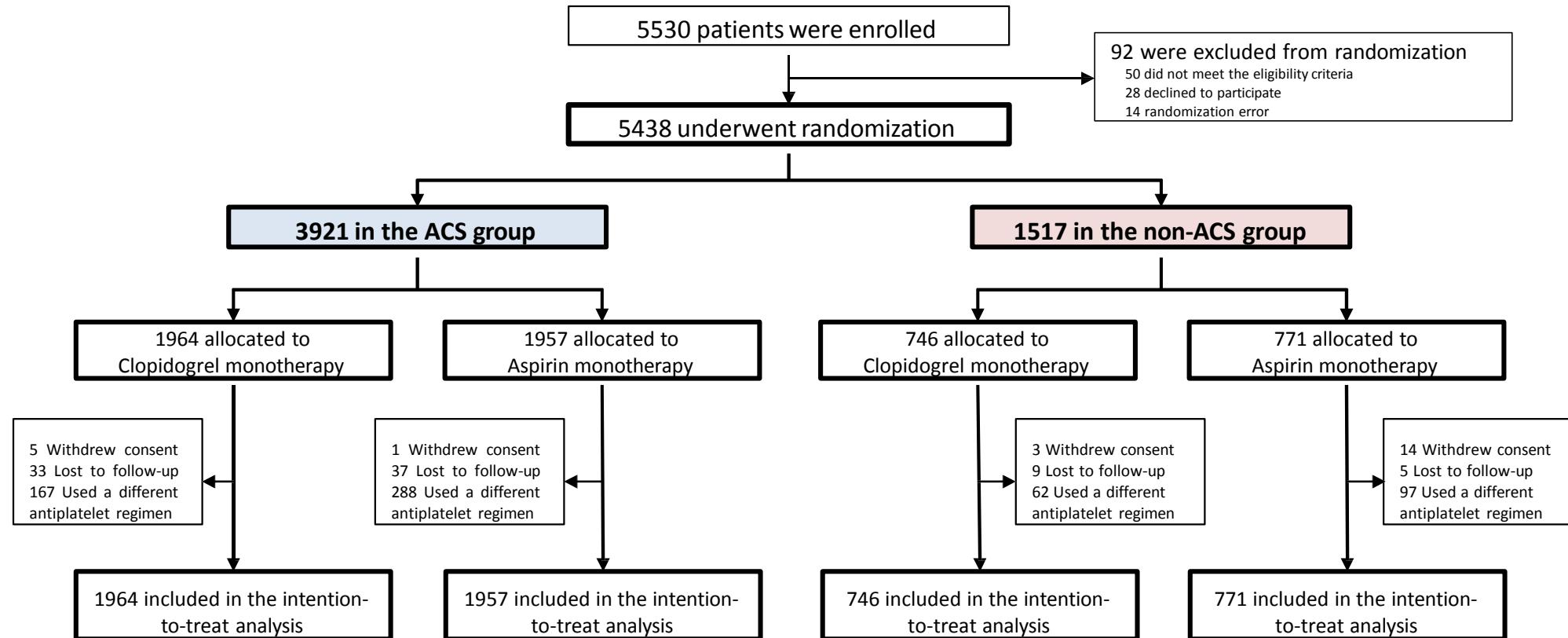


- 5,530 eligible patients screened, from 37 centers in K



- The total population was classified into two groups according to the initial clinical diagnosis at the time-point of Index PCI; **ACS or non-ACS**.

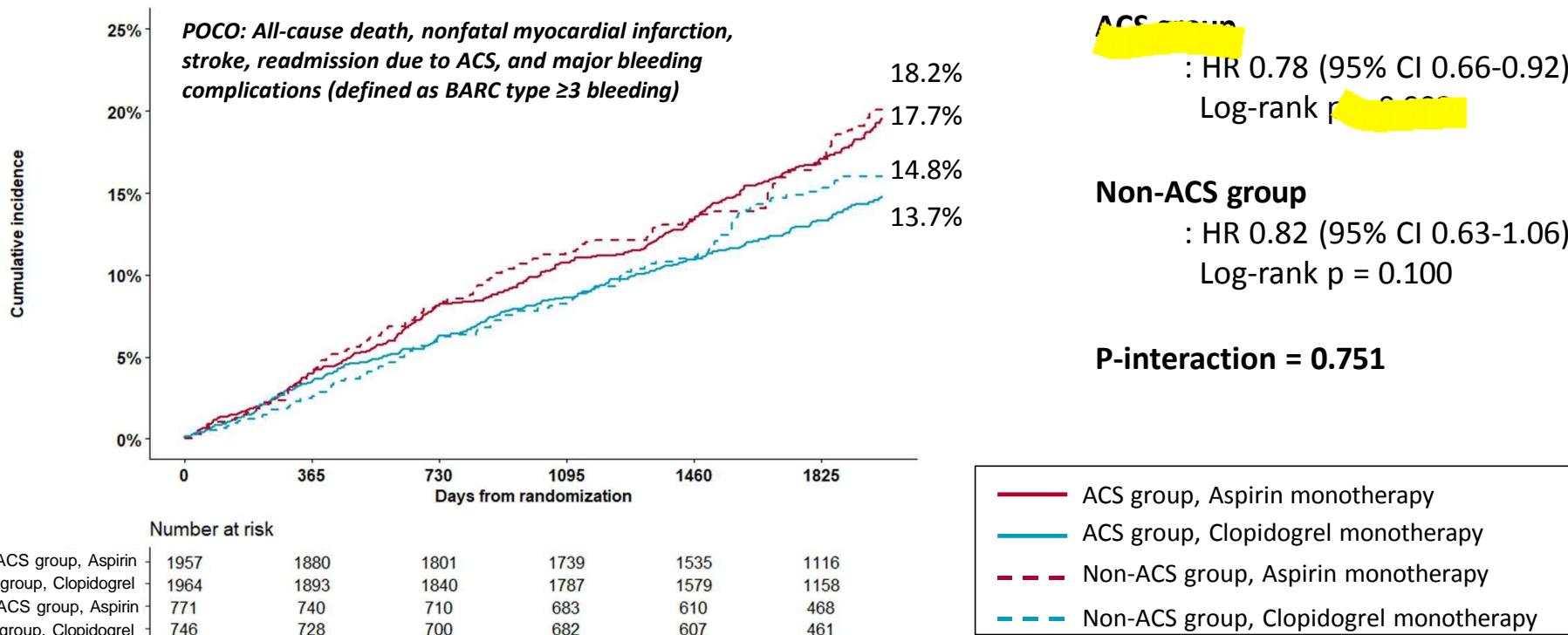
HOST-EXAM RCT



Výsledky



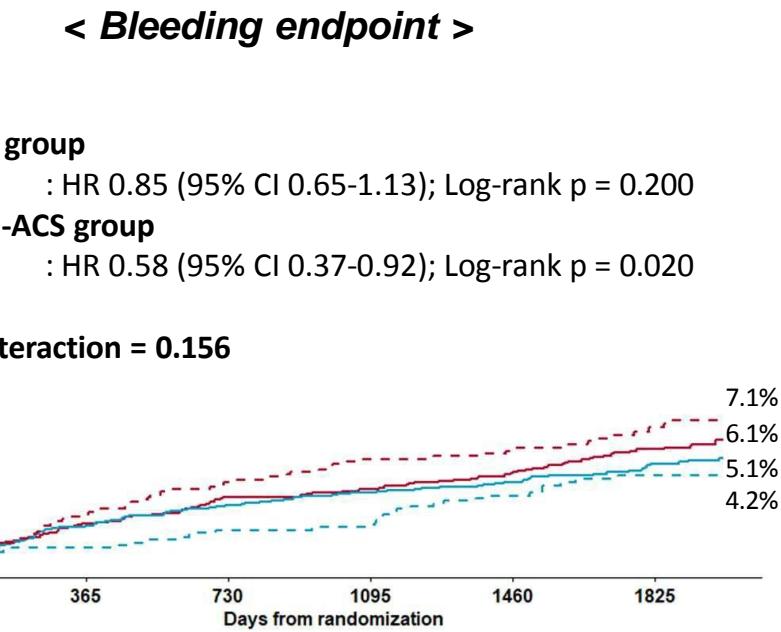
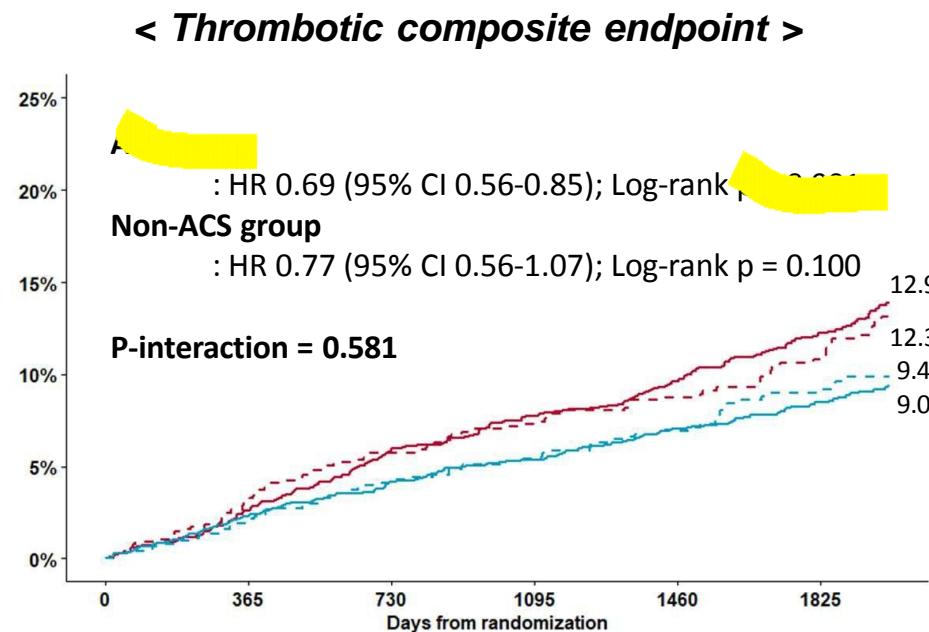
■ Primary Endpoint: POCO (Patient Oriented Composite outcome)



Výsledky



■ Secondary Endpoints



— ACS group, Aspirin monotherapy	- - - Non-ACS group, Aspirin monotherapy
— ACS group, Clopidogrel monotherapy	- - - Non-ACS group, Clopidogrel monotherapy

Výsledky



▪ Other Secondary Endpoints

	ACS				Non-ACS				Interaction p-value
	Clopidogrel (N=1,964)	Aspirin (N=1,957)	HR (95% CI)	p-value	Clopidogrel (N=746)	Aspirin (N=771)	HR (95% CI)	p-value	
All-cause death	120 (6.7%)	107 (6.2%)	1.13 (0.87-1.47)	0.364	55 (8.0%)	54 (8.0%)	1.06 (0.73-1.55)	0.757	0.790
Cardiac death	58 (3.3%)	58 (3.4%)	1.01 (0.70-1.45)	0.974	23 (3.4%)	26 (4.0%)	1.09 (0.53-1.61)	0.772	0.795
Non-cardiac death	62 (3.5%)	49 (2.8%)	1.27 (0.88-1.85)	0.207	32 (4.7%)	28 (4.2%)	1.19 (0.72-1.98)	0.498	0.835
New fatal myocardial infarction	32 (1.6%)	53 (2.7%)	0.60 (0.39-0.93)	0.122	13 (1.7%)	9 (1.2%)	1.50 (0.64-3.51)	0.351	0.060
Non-fatal myocardial infarction	35 (1.8%)	57 (2.9%)	0.61 (0.40-0.93)	0.091	11 (1.5%)	17 (2.2%)	0.66 (0.31-1.42)	0.292	0.838
New stroke	92 (4.7%)	149 (7.6%)	0.61 (0.47-0.79)	0.001	34 (4.6%)	49 (6.4%)	0.71 (0.46-1.10)	0.124	0.550
Major bleeding (BARC type ≥3)	55 (2.8%)	71 (3.6%)	0.77 (0.54-1.09)	0.144	12 (1.6%)	31 (4.0%)	0.40 (0.20-0.77)	0.156	0.083
Any revascularization	98 (5.0%)	121 (6.2%)	0.80 (0.62-1.05)	0.106	49 (6.6%)	59 (7.7%)	0.86 (0.59-1.25)	0.634	0.785
Stent thrombosis	6 (0.3%)	15 (0.8%)	0.40 (0.16-1.03)	0.058	7 (1.0%)	4 (0.5%)	1.82 (0.53-6.21)	0.340	0.056

Nahradí monoterapie clopidogrelem aspirin v dlouhodobé sekundární prevenci po koronární intervenci?

SHRNUTÍ

- Možná...u pacientů s AKS (vs monoth ticagrelorem po odeznění finančních restrikcí).
- Měl by u pacientů s HBR.
- Pravděpodobně zatím ne u pacientů s CHKS.
- Otázka non-responsence a testování účinku u clopidogrelu.
- Potřeba randomizovaných dat z Evropy/USA.

Děkuji za pozornost