



XXIX CONGRESO NACIONAL

CACI2019

Pilar

***Tratamiento antiagregante en el SCA
Resultados del Estudio ISAR REACT 5***

Carlos Fernandez Pereira, MD, PhD, FACC, FSCAI, FESC

Centro de Estudios en Cardiología Intervencionista (CECI)

Sanatorio Otamendi. Sanatorio Las Lomas . Clinica IMA

Clopidogrel (Thienopyridine)



Absorption: Not affected by food or antacids

Prodrug – converted by liver to active metabolites

Elimination half life: 8 hours

Irreversible binding: biologic effects = platelet life

Prasugrel (Thienopyridine)



Absorption: may be taken with food/antacids, although absorption decreased after fatty meal

Prodrug: intestinal/liver conversion to active

Elimination half-life: 7hours

Irreversible binding to P2Y₁₂ receptor:

biologic effects = platelet life (5-10days)

Ticagrelor

Cyclopentyltriazolopyrimidine pharmacology



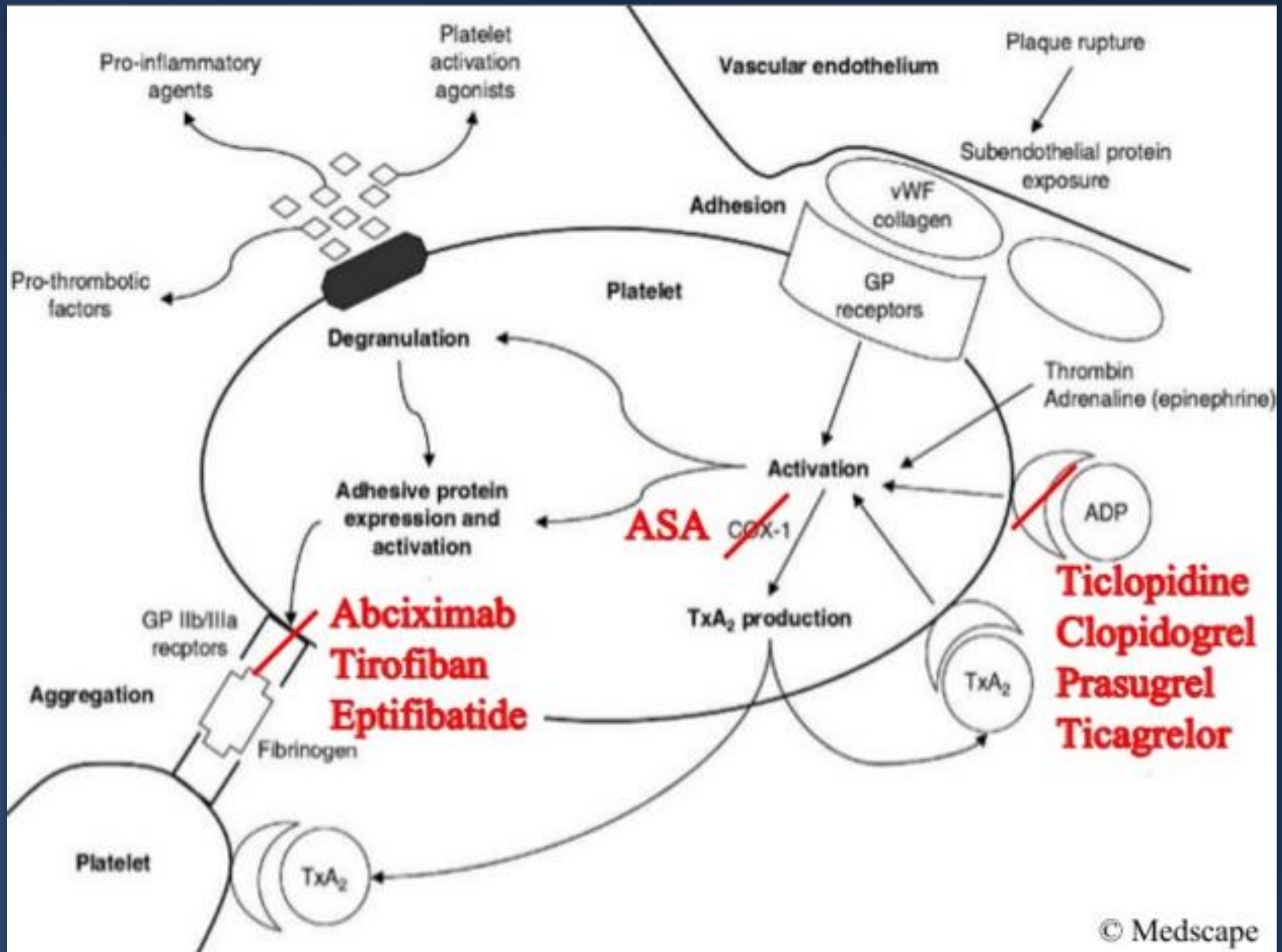
Absorption: not affected by food or antacids

Non-Prodrug: Onset of action within 1-2 hours

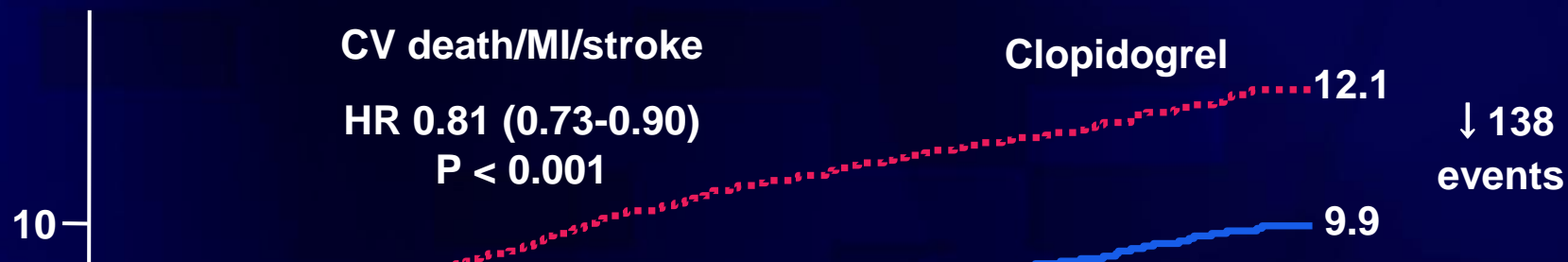
Elimination half-life = 8 hours

Reversible binding: biologic $t_{1/2}$ = 6 hours
clinical effect 3-5 days

Mechanism of action



TRITON-TIMI 38: Treatment effects on primary efficacy and key safety endpoints



Prasugrel is more potent than clopidogrel
Single 60 mg dose with peak effect within 2 hours
and more effective than single 300 mg dose clopidogrel

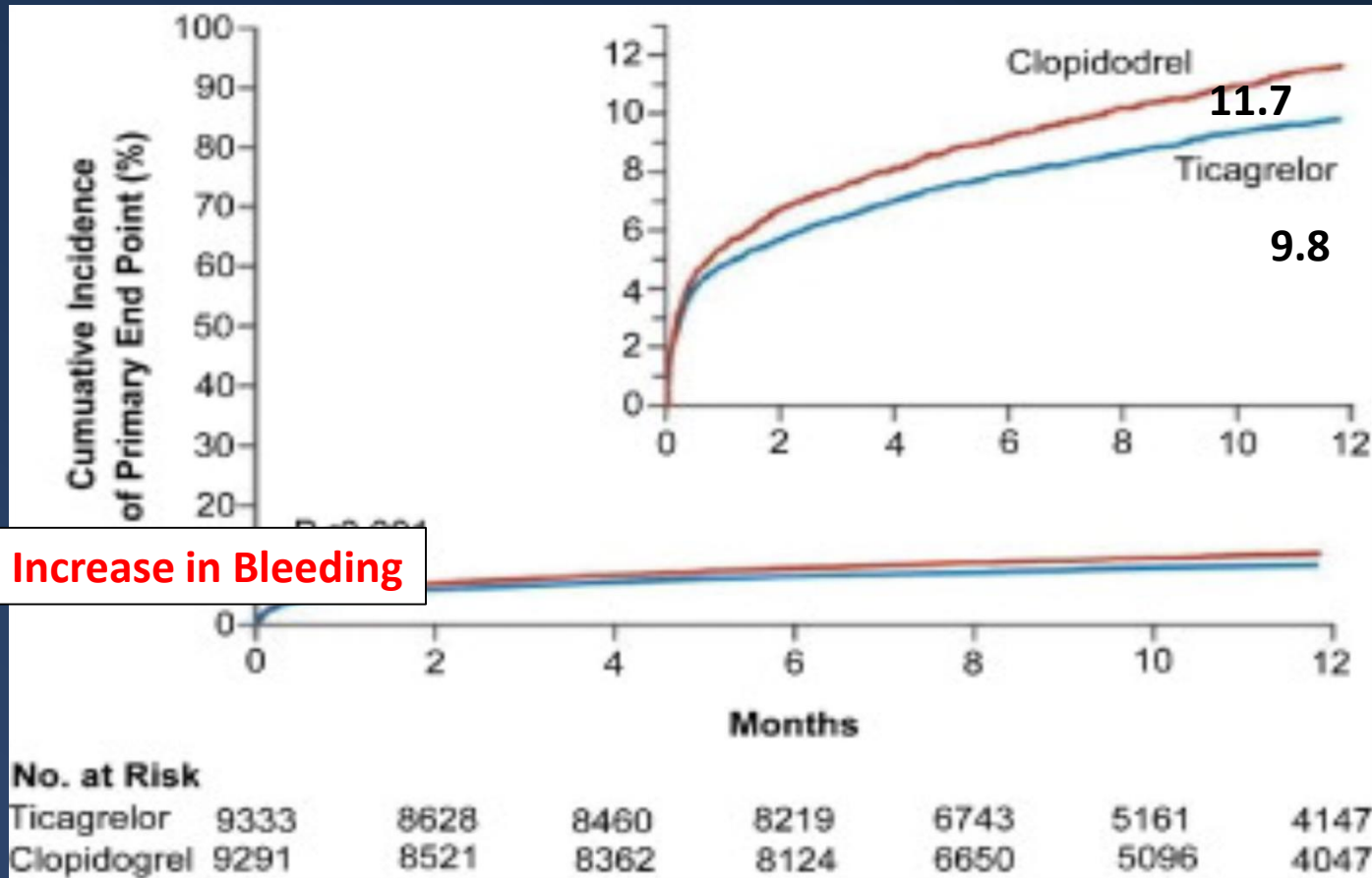


Less MI, but more bleeding

HR = hazard ratio

Wiviott SD et al. *N Engl J Med.* 2007;357:2001-15.

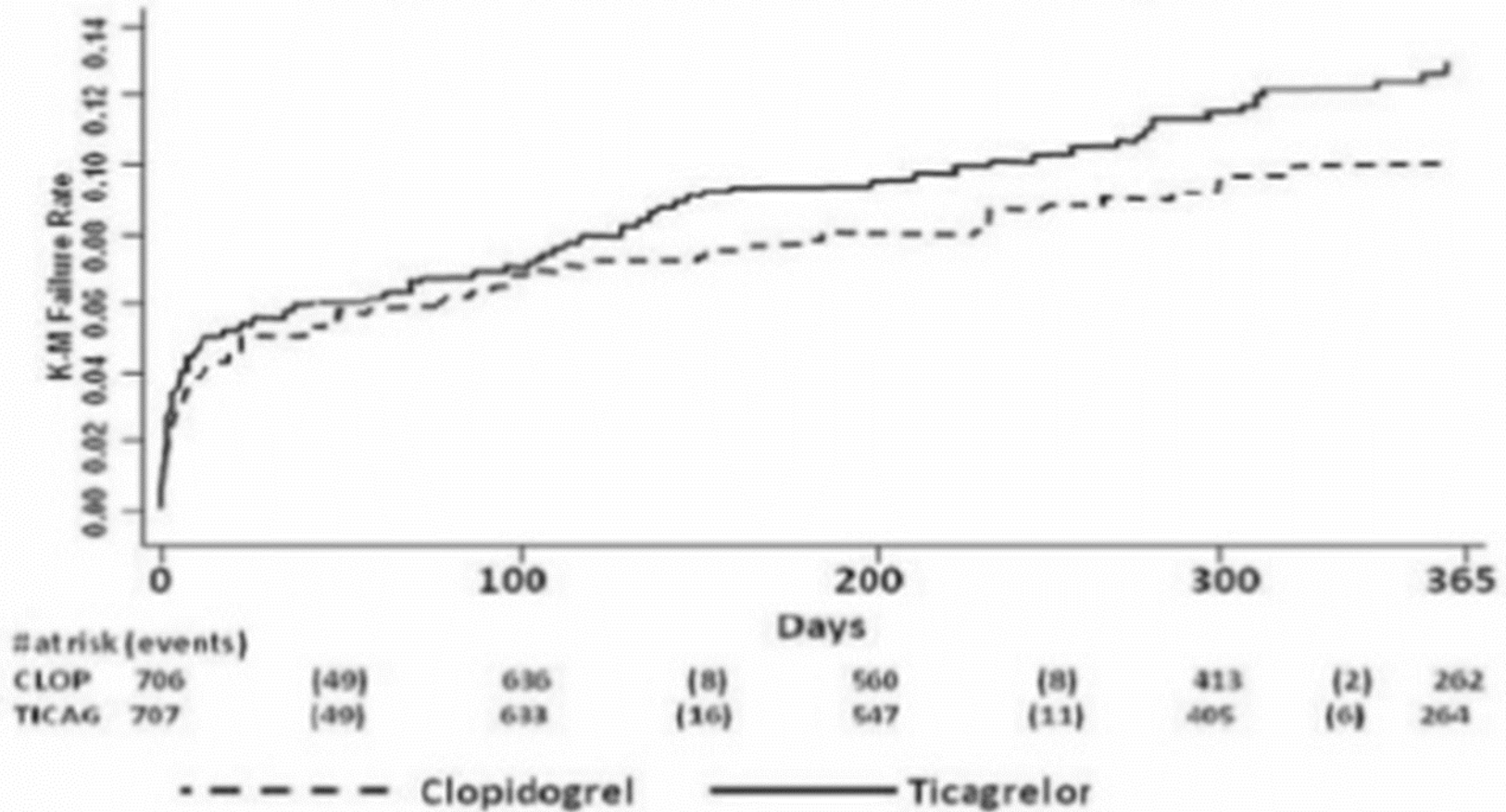
PLATO Trial (High Risk ACS) CV Death, MI or Stroke



**Reductions in All Cause Mortality,
CV Mortality, MI, Stent Thrombosis**

COUNTRY	N		ES (95% CI)	Weight %
Turkey	51		0.25 (0.05, 1.18)	0.27
Singapore	64		0.47 (0.04, 5.20)	0.34
Greece	90		0.57 (0.14, 2.40)	0.48
Hungary	1267		0.59 (0.40, 0.84)	6.81

U.S. Only: Primary Outcome Composite or CV Death/MI (excl. silent MI) /Stroke



Argentina	410		1.02 (0.61, 1.68)	2.20
Israel	636		1.03 (0.59, 1.81)	3.42
Austria	143		1.04 (0.30, 3.56)	0.77
Norway	159		1.05 (0.43, 2.59)	0.85
Russia	678		1.05 (0.67, 1.68)	3.64
South Korea	120		1.13 (0.30, 4.20)	0.64

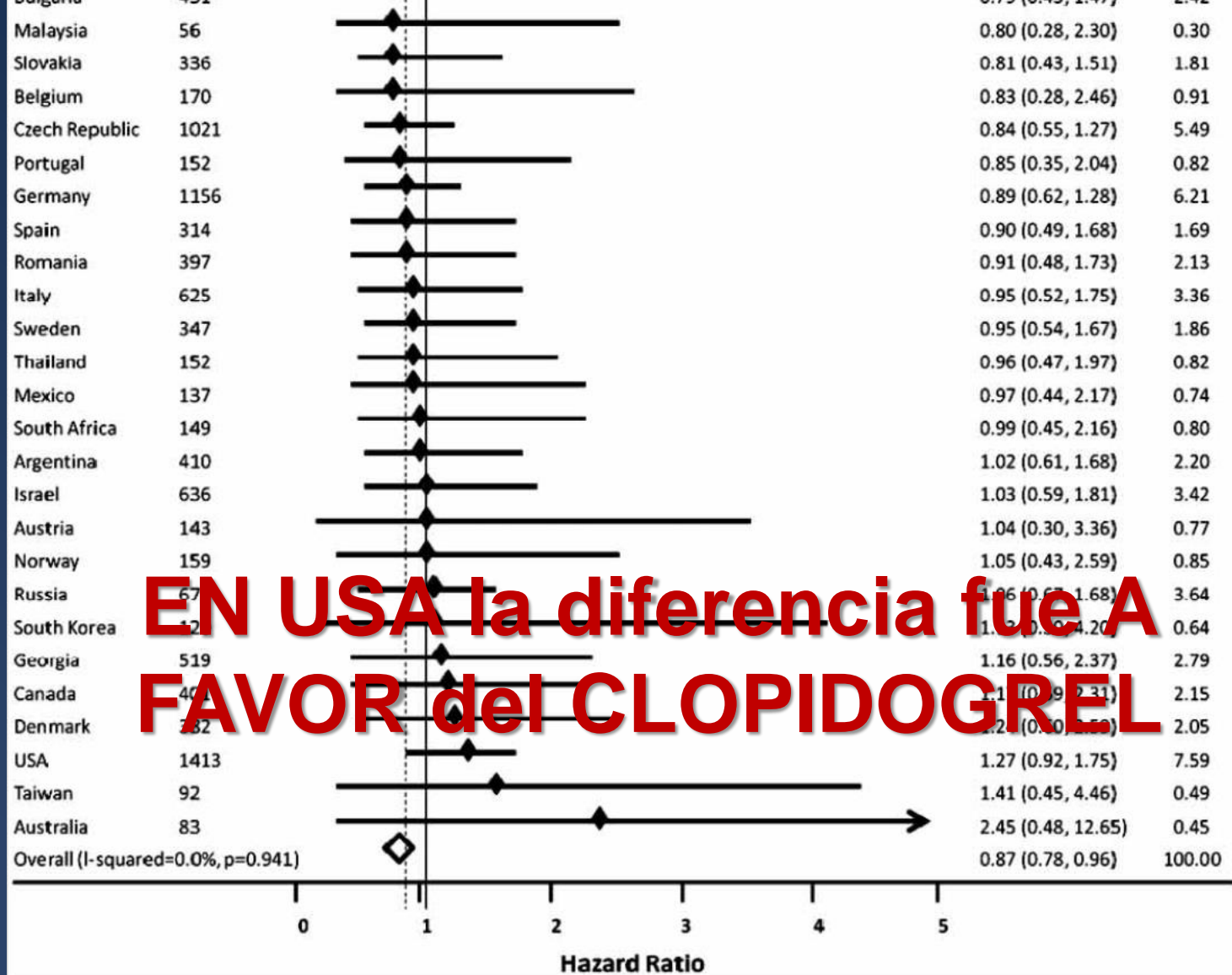


Figure 2: Distribution of outcomes in PLATO dependent of participating country.



Ticagrelor vs. Clopidogrel in Japanese, Korean and Taiwanese Patients With Acute Coronary Syndrome – – Randomized, Double-Blind, Phase III PHILO Study –

Shinya Goto, MD, PhD; Chien-Hua Huang, MD, PhD; Seung-Jung Park, MD, PhD;
Håkan Emanuelsson, MD, PhD; Takeshi Kimura, MD, PhD

Background: Few data on the relative efficacy and safety of new P2Y₁₂ inhibitors such as prasugrel and ticagrelor in Japanese, Taiwanese and South Korean patients with acute coronary syndromes (ACS) exist.

Methods and Results: The multicenter, double-blind, randomized PHILO trial compared the safety and efficacy of ticagrelor vs. clopidogrel in 801 patients with ACS (Japanese, n=721; Taiwanese, n=35; South Korean, n=44; unknown ethnicity, n=1). All were planned to undergo percutaneous coronary intervention and randomized within 24 h of symptom onset. Primary safety and efficacy endpoints were time to first occurrence of any major bleeding event and to any event from the composite of myocardial infarction, stroke or death from vascular causes, respectively. At 12 months, overall major bleeding occurred in 10.3% of ticagrelor-treated patients and in 6.8% of clopidogrel-treated patients (hazard ratio (HR), 1.54; 95% confidence interval (CI): 0.94–2.53); the composite primary efficacy endpoint occurred in 9.0% and in 6.3% of ticagrelor- and clopidogrel-treated patients, respectively (HR, 1.47; 95% CI: 0.88–2.44). For both analyses, the difference between groups was not statistically significant.

Conclusions: In ACS patients from Japan, Taiwan and South Korea, event rates of primary safety and efficacy endpoints were higher, albeit not significantly, in ticagrelor-treated patients compared with clopidogrel-treated patients. This observation could be explained by the small sample size, imbalance in clinical characteristics and low number of events in the PHILO population. (*Circ J* 2015; **79**: 2452–2460)

Key Words: Acute coronary syndrome; Clopidogrel; East Asia; Japan; Ticagrelor

Table 4. Primary and Secondary Efficacy Endpoints			
	Ticagrelor	Clopidogrel	HR (95% CI)
	90 mg b.i.d. (n=401)	75 mg o.d. (n=400)	
Primary			
Composite of CV death/MI (excluding silent MI)/stroke	36 (9.0)	25 (6.3)	1.47 (0.88–2.44)
Post-hoc			
Composite of CV death/spontaneous MI/stroke	18 (4.5)	13 (3.3)	1.39 (0.68–2.85)
Secondary			
Composite of all-cause mortality/MI (excluding silent MI)/stroke	37 (9.2)	25 (6.3)	1.51 (0.91–2.50)
Composite of CV death/total MI/stroke/RI (including SRI)/TIA/Other ATE	38 (9.5)	32 (8.0)	1.20 (0.75–1.93)
MI (excluding silent MI)	24 (6.0)	15 (3.8)	1.63 (0.85–3.11)
Peri-procedural MI	18	12	–
Spontaneous MI	6	3	–
CV death	9 (2.2)	7 (1.8)	1.28 (0.48–3.45)
Stroke	9 (2.2)	6 (1.5)	1.50 (0.54–4.23)
All-cause mortality	10 (2.5)	7 (1.8)	1.42 (0.54–3.74)
Data given as n (%). ATE, arterial thromboembolic event; RI, recurrent cardiac ischemia; SRI, serious recurrent ischemia. Other abbreviations as in Tables 1,3.			
Increase in serum uric acid from baseline to end of treatment (μmol/L)	34±87	9±80	
Any uric acid adverse event†	26 (6.7)	20 (5.3)	

REVIEW ARTICLE

Did Prasugrel and Ticagrelor Offer the Same Benefit in Patients with Acute Coronary Syndromes after Percutaneous Coronary Interventions Compared to Clopidogrel? Insights from Randomized Clinical Trials, Registries and Meta-analysis

Alfredo E. Rodríguez*, Alfredo M. Rodríguez-Granillo, Sergio D. Ascarrunz, Francisco Peralta-Bazan and Mi Young Cho

Cardiac Unit Otamendi Hospital, Buenos Aires School of Medicine Cardiovascular Research Center (CECI) Buenos Aires Argentina

Abstract: Background: According to ACC/ AHA guidelines, a minimum of 1 year of dual anti- platelet therapy (DAPT) consisting of aspirin and a platelet ADP-receptor antagonist (P2Y12 inhibitor) is recommended for patients presenting acute coronary syndromes (ACS), regardless of which type of revascularization is performed during the acute event.

Methods: The purpose of this presentation was to review the present data either from a direct randomized comparison among the three compounds and also large prospective observational registries and meta-analysis were analyzed in detail. With this aim, we performed an extensive large search from PubMed/Medline Journals identifying studies comparing fashion the new P2Y12 inhibitors in patients with ACS including ST elevation myocardial infarction (STEMI) in direct and indirect manner.

Results: Pivotal large randomized clinical trials (RCT) in patients with ACS including STEMI, comparing clopidogrel, a first generation P2Y12 inhibitor against the newer prasugrel and ticagrelor showed major efficacy advantages of the latter although both drugs had more bleeding risk than clopidogrel. Direct comparisons of prasugrel and ticagrelor from large RCT are not yet available, however, several observational registries and meta-analysis reported results from an indirect comparison between both compounds. Major findings and limitations of each of these studies were identified, highlighted and discussed.

Conclusion: Prasugrel and ticagrelor are both more effective than clopidogrel to prevent adverse cardiac events in patients with ACS. Compared to ticagrelor, prasugrel appears to be more effective in patients with STEMI, although lack of randomized data didn't allow to draw definitive conclusions.

ARTICLE HISTORY

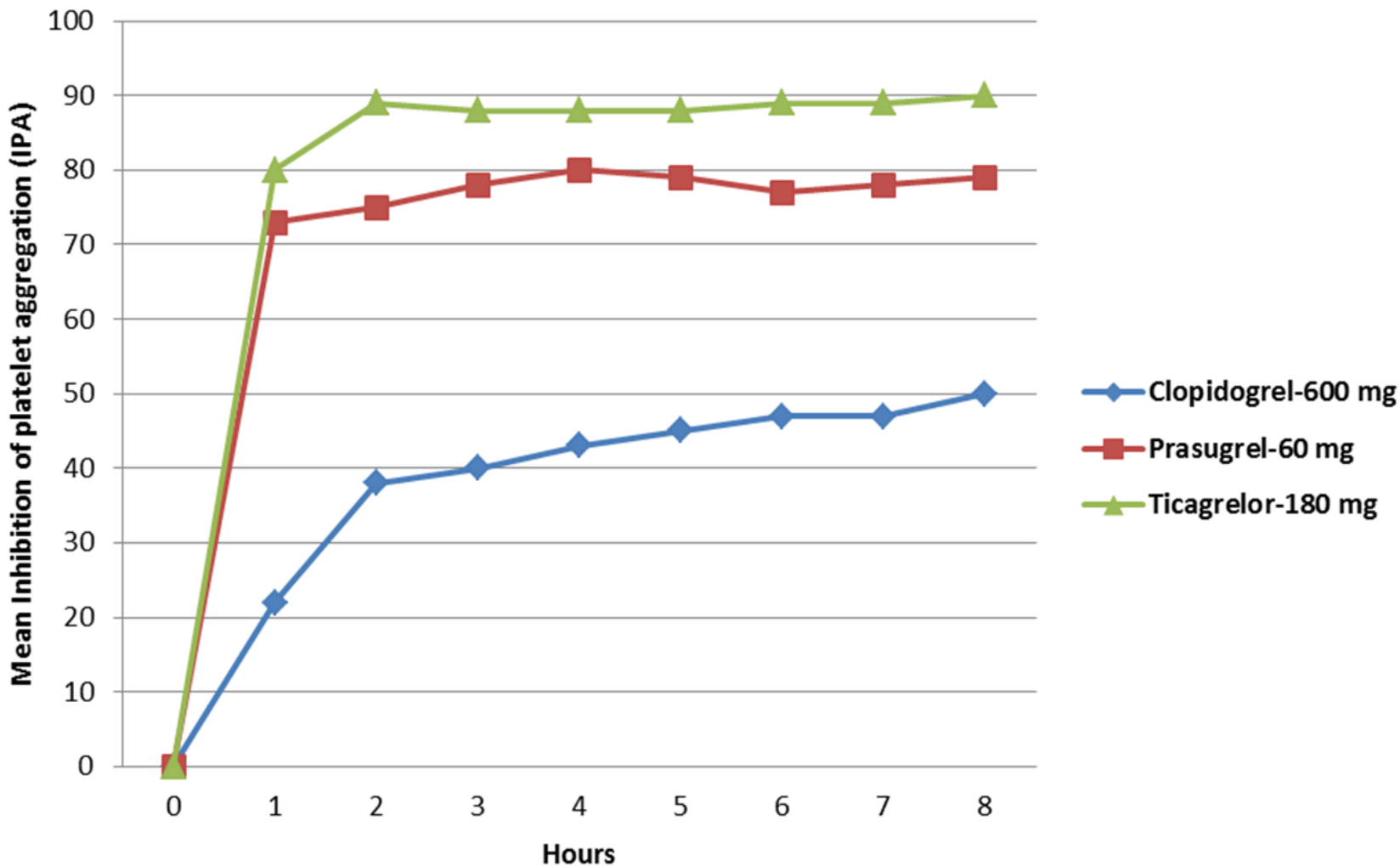
Received: November 24, 2017
Accepted: January 1, 2018

DOI:

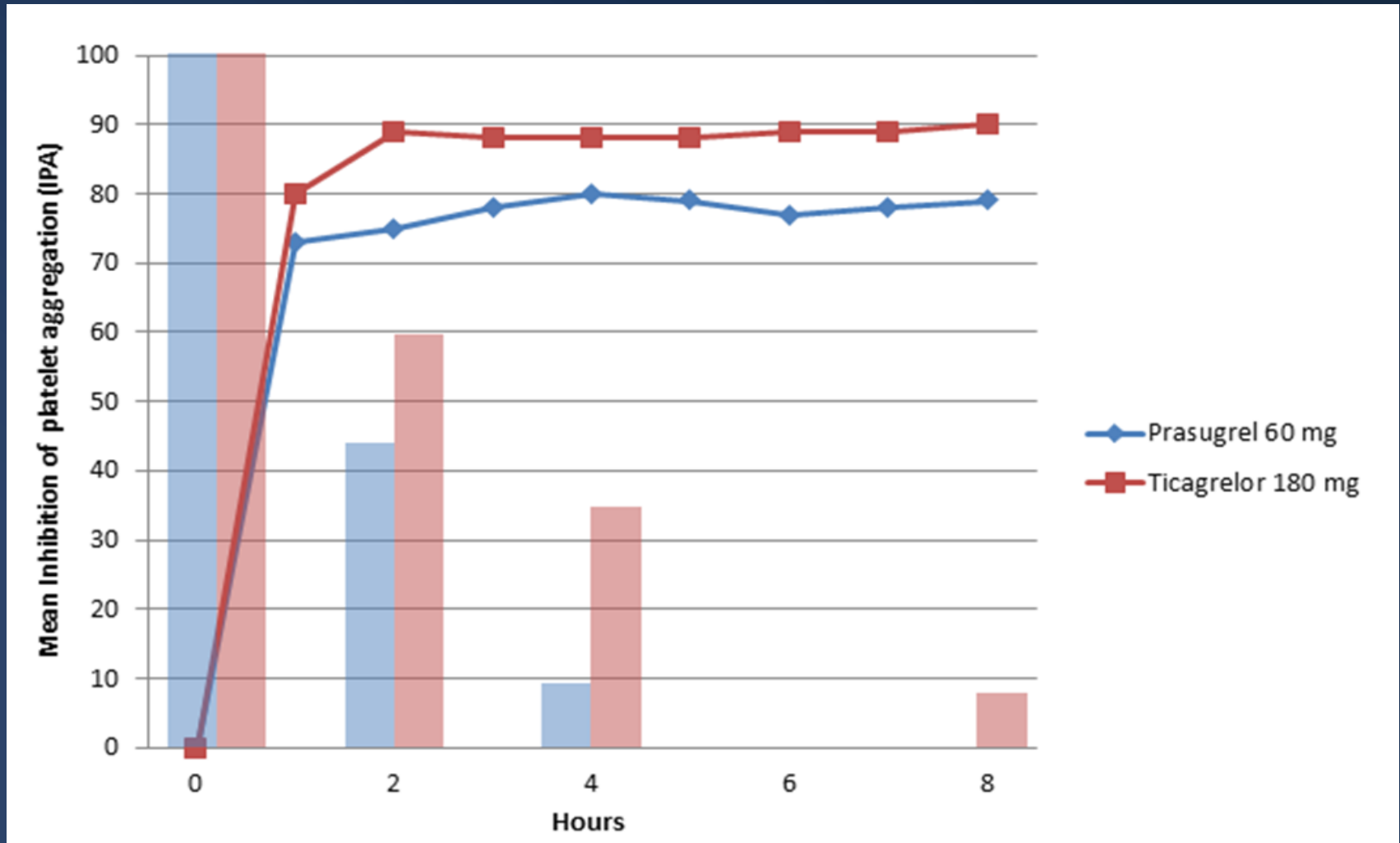
10.2174/1381612824666180108121834

Keywords: Prasugrel, ticagrelor, clopidogrel, dual antiplatelet therapy, stent thrombosis.

Mean Inhibition of platelet aggregation (IPA) after 2PY12 inhibitors loading dose in healthy voluntaries



Mean Inhibition of Platelet aggregation (IPA) and percentage of high residual platelet reactivity (HRPR) following single oral dose of 60 mg Prasugrel and 180 mg Ticagrelor (STEMI).



Rodriguez AE et al. Curr Pharm Des. 2018]

“Real-World” Comparison of Prasugrel With Ticagrelor in Patients With Acute Coronary Syndrome Treated With Percutaneous Coronary Intervention in the United States

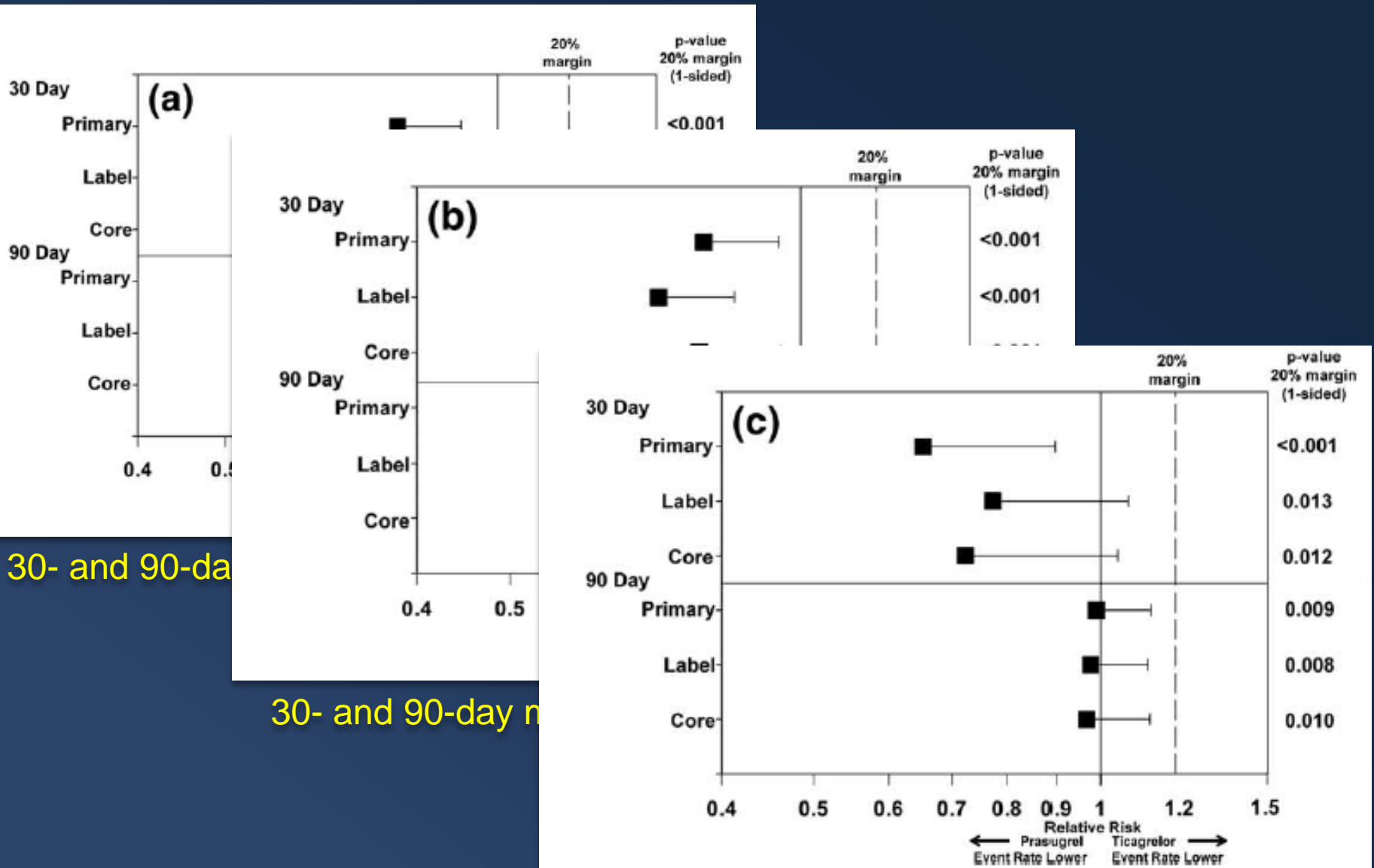
Cynthia Larmore,^{1*} MSN, Mark B. Effron,¹ MD, Cliff Molife,¹ PhD, Mitch DeKoven,² MHSA, Yajun Zhu,¹ Jingsong Lu,² MS, Swapna Karkare,² MS, Hsiao D. Lieu,¹ MD, Won Chan Lee,² PhD, and George W. Vetrovec,³ MD

Objectives: The 30-day clinical outcomes with prasugrel or ticagrelor were compared using a US payer database in patients with acute coronary syndrome (ACS) undergoing percutaneous coronary intervention (PCI). **Background:** Prasugrel and ticagrelor demonstrated superior efficacy with increased non-coronary artery bypass graft major bleeding compared with clopidogrel in randomized clinical trials. No direct randomized or observational studies have compared clinical outcomes between prasugrel and ticagrelor. **Methods:** Patients hospitalized for ACS-PCI between August 1, 2011 and April 30, 2013 and prescribed prasugrel or ticagrelor were selected. Drug treatment cohorts were propensity matched based upon demographic and clinical characteristics. The primary objective compared 30-day net adverse clinical events (NACE) in prasugrel- and ticagrelor-treated patients using a prespecified 20% noninferiority margin. Secondary objectives included comparisons of major adverse cardiovascular events (MACE) and major bleeding. **Results:** Data were available for 16,098 patients (prasugrel, $n = 13,134$; ticagrelor, $n = 2,964$). In unmatched cohorts, prasugrel-treated patients were younger with fewer comorbidities than ticagrelor-treated patients, and 30-day NACE rates were 5.6 and 9.3%, respectively ($P < 0.001$). Following propensity matching, NACE was noninferior ($P < 0.001$) and 22% lower in prasugrel-treated than in ticagrelor-treated patients (RR, 0.78; 95% CI, 0.64–0.94). A 30-day adjusted MACE (RR, 0.80; 95% CI, 0.64–0.98) and major bleeding (RR, 0.65; 95% CI, 0.45–0.95) were also lower in prasugrel-treated patients compared with ticagrelor-treated patients. **Conclusions:** In this “real-world,” retrospective, observational study, physicians appear to preferentially use prasugrel in younger patients with lower risk of bleeding or comorbidities

DAPT duration – “Real world” Ticagrelor vs Prasugrel

Variable	Unmatched			Matched		
	Prasugrel; N = 13,134	Ticagrelor; N = 2,964	P value	Prasugrel; N = 2,661	Ticagrelor; N = 2,661	P value
Age, years (mean ± SD)	58.6 ± 10.8	64.1 ± 12.4	<0.001	62.5 ± 11.5	62.4 ± 11.7	0.761
Female gender (%)	26.7	33.4	<0.001	32.4	32.0	0.792
Hospital type (%)			<0.001			0.833
Teaching	42.6	54.2		54.1	53.9	
Non-teaching	46.5	38.3		39.4	39.2	
Index ACS event (%)			<0.001			0.707
STEMI	38.6	39.6	0.313	40.6	39.3	0.327
NSTEMI	36.4	37.2	0.471	35.9	36.9	0.425
UA	21.6	18.5	<0.001	19.0	18.9	0.916
Unspecified ACS	3.4	4.8	NE	4.5	4.9	NE
Prior history/comorbidities (%)						
Anemia	8.9	13.0	<0.001	11.4	12.1	0.443
Cerebrovascular disease	4.8	9.7	<0.001	8.2	8.3	0.842
CHF	6.9	10.2	<0.001	9.4	9.6	0.852
CKD	8.4	12.9	<0.001	10.8	11.7	0.259
COPD	12.9	15.8	<0.001	16.7	15.3	0.156
Diabetes	37.3	35.9	0.149	35.5	35.9	0.775
Dyslipidemia	77.9	74.3	<0.001	74.3	74.4	0.950
Dyspnea	8.3	10.5	<0.001	9.9	10.1	0.749
Hypertension	35.4	41.1	<0.001	39.2	39.6	0.736
Ischemic heart disease	26.2	30.0	<0.001	28.5	28.6	0.952
Peripheral vascular disease	11.4	16.3	<0.001	14.9	14.7	0.787
Prior CABG	1.5	1.6	0.700	1.8	1.8	1.00
Prior MI	7.7	8.4	0.220	8.3	8.1	0.727
Prior PCI	10.2	10.0	0.666	10.0	9.8	0.819
Prior TIA or stroke	2.0	5.4	<0.001	4.2	4.6	0.547
Pre-Index medication use (%)						
ACE inhibitor	15.6	19.0	<0.001	17.7	18.4	0.545
ADP receptor inhibitor	16.0	17.7	0.023	17.2	17.0	0.856
Diabetes medication	12.2	15.1	<0.001	13.8	14.3	0.608
CCI score (mean)	1.4	1.7	<0.001	1.6	1.7	0.703

DAPT duration – “Real world” Ticagrelor vs Prasugrel



30- and 90-da

30- and 90-day m

30-day matched comparisons: Bleeding.

Larmore C et al. Catheter Cardiovasc Interv. 2015 Nov 18.

Optimal P2Y₁₂ Inhibitor in Patients With ST-Segment Elevation Myocardial Infarction Undergoing Primary



CONCLUSIONS

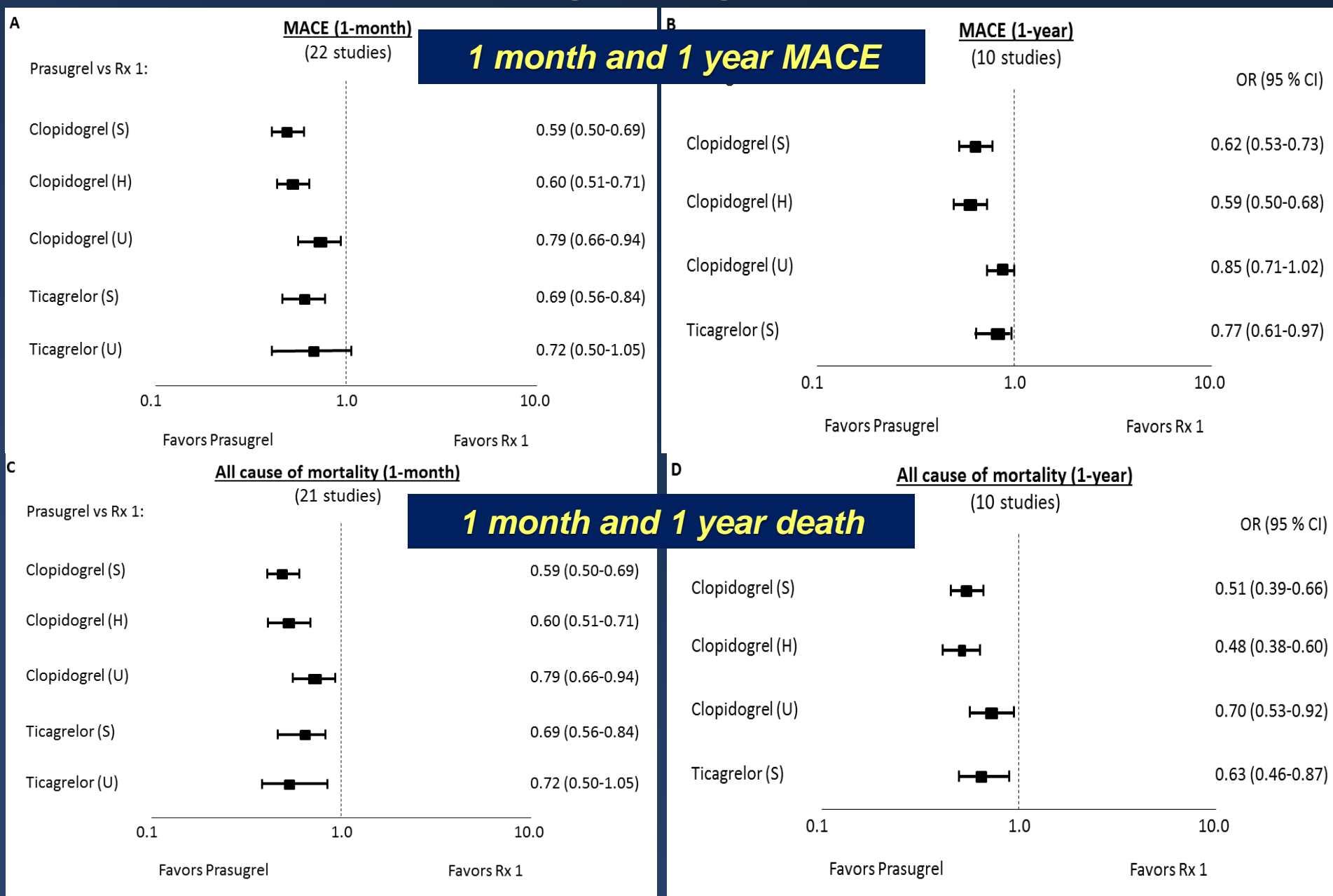
As
U:
Ti

This network meta-analysis suggests that in STEMI patients undergoing PPCI, prasugrel is associated with better clinical outcomes than standard or high-dose clopidogrel at both 1-month and 1-year follow-up; ticagrelor is associated with better outcomes than standard or high-dose clopidogrel at 1-year; and prasugrel appears superior to standard ticagrelor at both 1 month and 1 year. Prasugrel is particularly more effective in patients receiving bivalirudin and DES.

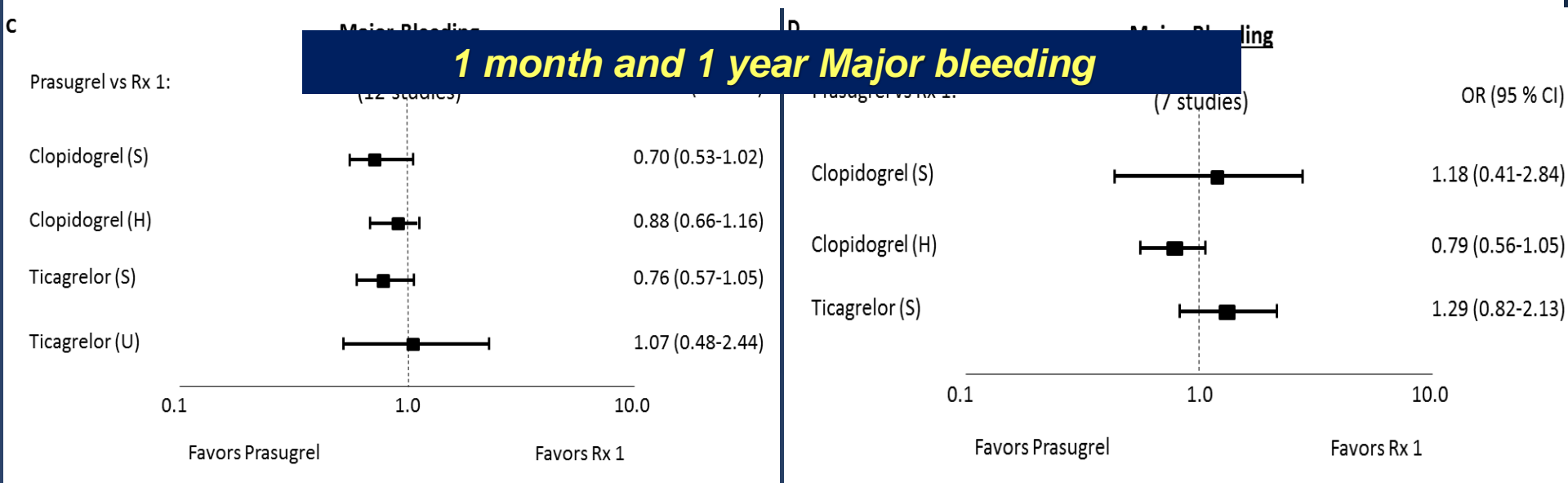
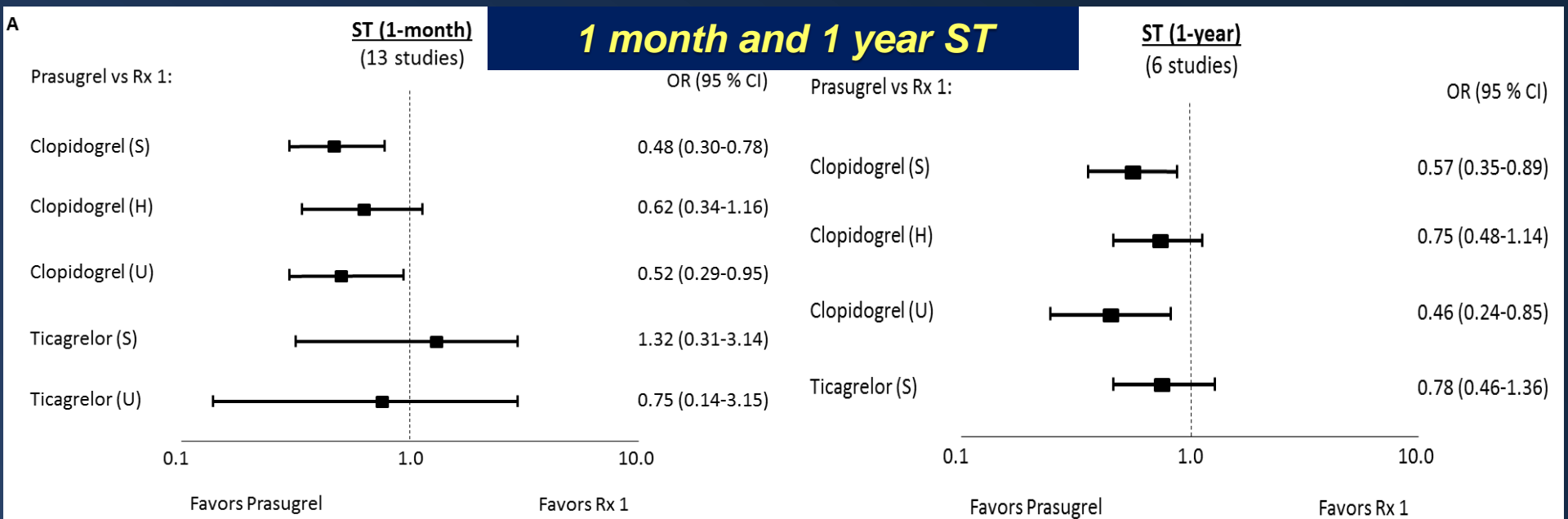
with prasugrel in studies where patients received bivalirudin, drug-eluting stents, and but not glycoprotein IIb/IIIa inhibitor.

CONCLUSIONS In STEMI patients undergoing PPCI, prasugrel and ticagrelor are more efficacious than clopidogrel; in addition, prasugrel was superior to ticagrelor particularly in conjunction with bivalirudin and drug-eluting stents. (J Am Coll Cardiol Intv 2016;9:1036-46) © 2016 by the American College of Cardiology Foundation.

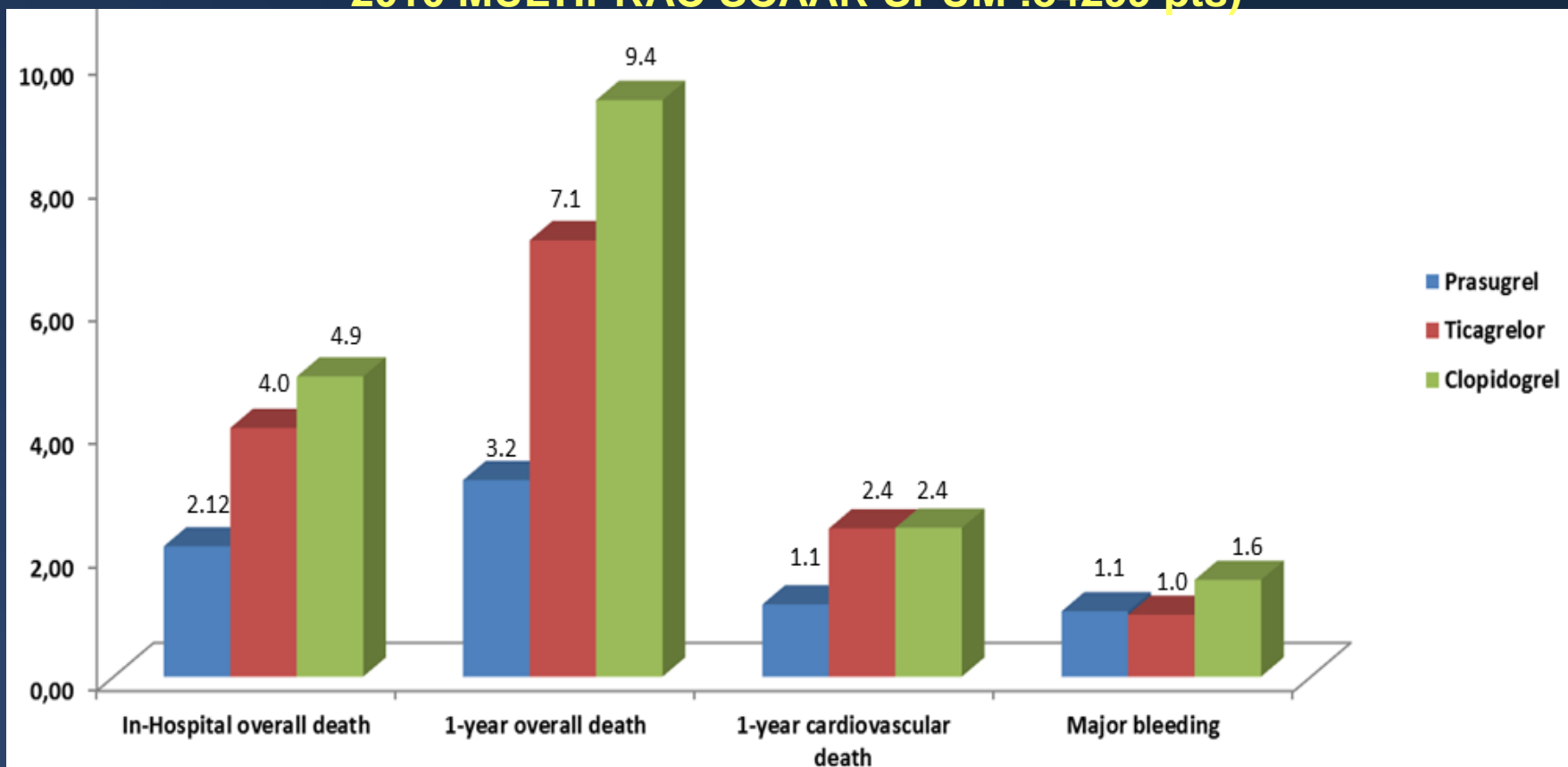
Pooled OR and CI comparing prasugrel with other P2Y12 inhibitors



Pooled OR and CI comparing prasugrel with other P2Y12 inhibitors

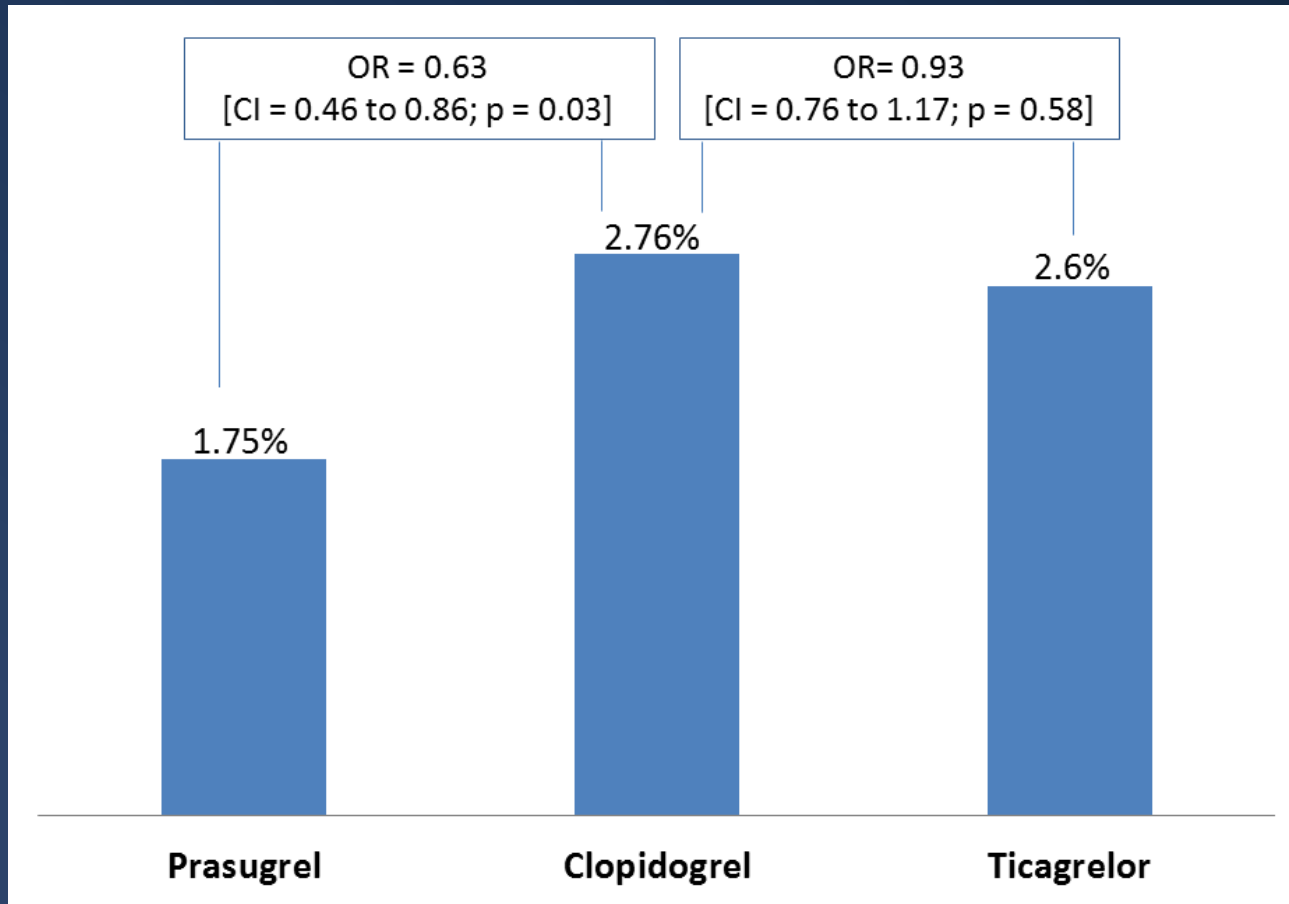


Unadjusted Comparison between P2Y12 inhibitors in 12 contemporary European Registries on STEMI patients (AAPCI/ADAPT AMIS-Plus ATACS DIOCLES FAST-MI 2010 MULTIPRAC SCAAR SPUM :84299 pts)



Event	P value (chi2)		
	Prasugrel vs Ticagrelor	Prasugrel vs Clopidogrel	Ticagrelor vs Clopidogrel
In-Hospital overall death	<0.001	<0.001	<0.01
1-year overall death	<0.001	<0.001	<0.001
1-year cardiovascular death	<0.001	<0.001	0.98
Major bleeding	0.71	<0.002	<0.001

30-day STEMI mortality comparing different P2Y12 inhibitors from meta-analysis (10 RCT, 1 Registry 26658 pts)



Association of different antiplatelet therapies with mortality after primary percutaneous coronary intervention

Table 2 Results of multivariate logistic regression models

Outcome	Cohort	OR (95% CI)	P value
30-Day mortality	Prasugrel versus clopidogrel	0.870 (0.777 to 0.973)	0.014
	Ticagrelor versus clopidogrel	1.074 (0.954 to 1.208)	0.237
	Ticagrelor versus prasugrel	1.216 (1.031 to 1.435)	0.020
1-Year mortality	Prasugrel versus clopidogrel	0.891 (0.815 to 0.974)	0.011
	Ticagrelor versus clopidogrel	1.058 (0.962 to 1.163)	0.247
	Ticagrelor versus prasugrel	1.188 (1.042 to 1.354)	0.010

ORs, CIs (in brackets) and P values represent the pooled results over 10 multiple imputed dataset instances.

MACE, major adverse cardiovascular events.

CONCLUSIONS

In a cohort of just over 89 000 patients undergoing primary PCI for STEMI in clinical practice in the UK, prasugrel is associated with a lower 30-day and 1-year mortality than clopidogrel and ticagrelor. Given that it is unlikely that an adequately powered randomised trial will be undertaken to compare them in the future, these data may have implications for routine clinical care.

Real-world comparison of clopidogrel, prasugrel and ticagrelor in patients undergoing primary percutaneous coronary intervention Arvindra

- A total of 1648 (44.5%) patients received clopidogrel, 1244 (33.6%) patients received prasugrel and 811 (21.9%) patients received ticagrelor as their P2Y12-receptor inhibitor.

• PRASUGREL

(n=1244)

30-d 40 (3.2)*

1-Y 26 (3.2)

TICAGRELOR

(n=811)

56 (6.9)

47 (3.8)

*P value ≤ 0.05

BACKGROUND

The relative merits of ticagrelor as compared with prasugrel in patients with acute coronary syndromes for whom invasive evaluation is planned are uncertain.

METHODS

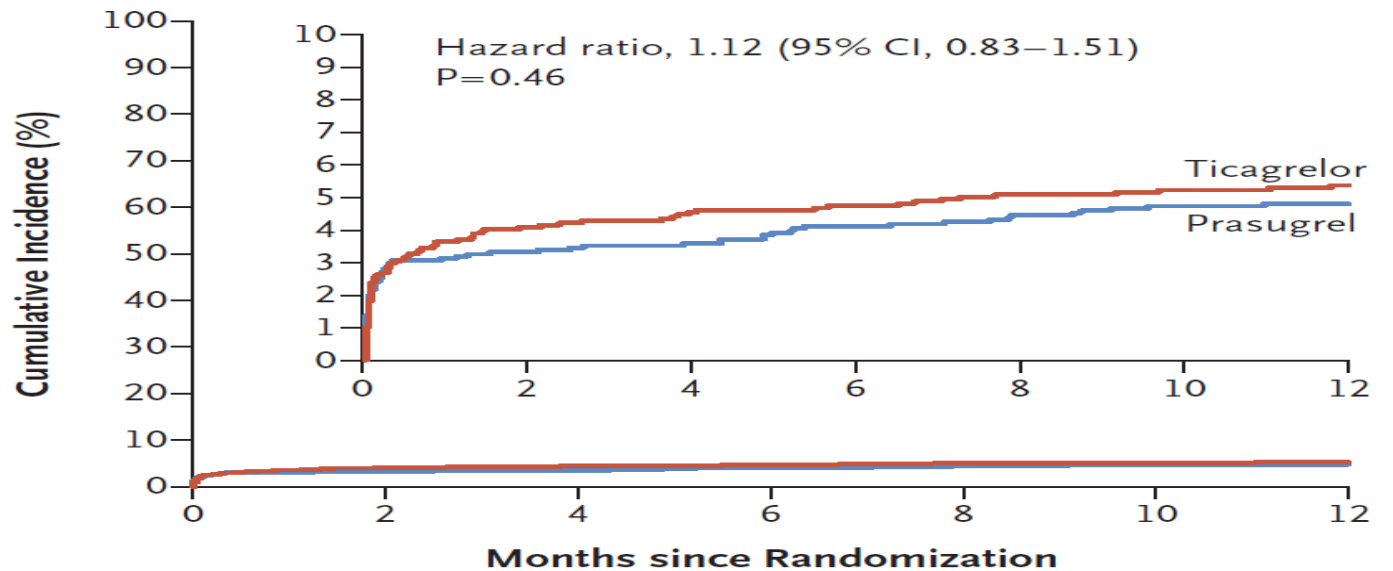
In this multicenter, randomized, open-label trial, we randomly assigned patients who presented with acute coronary syndromes and for whom invasive evaluation was planned to receive either ticagrelor or prasugrel. The primary end point was the composite of death, myocardial infarction, or stroke at 1 year. A major secondary end point (the safety end point) was bleeding.

RESULTS

A total of 4018 patients underwent randomization. A primary-end point event occurred in 184 of 2012 patients (9.3%) in the ticagrelor group and in 137 of 2006 patients (6.9%) in the prasugrel group (hazard ratio, 1.36; 95% confidence interval [CI], 1.09 to 1.70; $P=0.006$). The respective incidences of the individual components of the primary end point in the ticagrelor group and the prasugrel group were as follows: death, 4.5% and 3.7%; myocardial infarction, 4.8% and 3.0%; and stroke, 1.1% and 1.0%. Definite or probable stent thrombosis occurred in 1.3% of patients assigned to ticagrelor and 1.0% of patients assigned to prasugrel, and definite stent thrombosis occurred in 1.1% and 0.6%, respectively. Major bleeding (as defined by the Bleeding Academic Research Consortium scale) was observed in 5.4% of patients in the ticagrelor group and in 4.8% of patients in the prasugrel group (hazard ratio, 1.12; 95% CI, 0.83 to 1.51; $P=0.46$).

CONCLUSIONS

Among patients who presented with acute coronary syndromes with or without ST-segment elevation, the incidence of death, myocardial infarction, or stroke was significantly lower among those who received prasugrel than among those who received ticagrelor, and the incidence of major bleeding was not significantly different between the two groups.



No. at Risk

Ticagrelor	1989	1441	1399	1356	1319	1296	1266
Prasugrel	1773	1465	1427	1397	1357	1333	1307

Figure 3. Cumulative Incidence of the Safety End Point at 1 Year.

The Kaplan–Meier curves show the cumulative incidence of the safety end point, which was the incidence of BARC type 3, 4, or 5 bleeding at 1 year. The analysis was performed in a modified intention-to-treat population, which included all patients who received at least one dose of the randomly assigned trial drug and were assessed for bleeding events up to 7 days after discontinuation of the trial drug. The inset shows the same data on an enlarged y axis.

ISAR REACT 5

	Ticagrelor (n=2012)	Prasugrel (n=2006)	HR [95% CI]
Death	90 (4.5)	73 (3.7)	1.23 [0.91-1.68]
– Cardiovascular	63 (3.2)	59 (3.0)	
– Non-cardiovascular	27 (1.4)	14 (0.7)	
Myocardial infarction	96 (4.8)	60 (3.0)	1.63 [1.18-2.25]
– STEMI	31	14	
Stroke	22 (1.1)	19 (1.0)	1.17 [0.63-2.15]
– Ischemic	16	17	
– Hemorrhagic	6	2	
Definite or probable stent thrombosis	26 (1.3)	20 (1.0)	1.30 [0.72-2.33]
Definite stent thrombosis	22 (1.1)	12 (0.6)	

Organizational Structure



Steering Committee

- A. Kastrati, S. Schüpke, D.J. Angiolillo, D. Antonucci, C. Hamm, K.-L. Laugwitz, F.-J. Neumann, G. Richardt, H. Schühlen, H. Schunkert

Data Safety Monitoring Board

- A. Schömig, F. Hofmann, K. Ulm

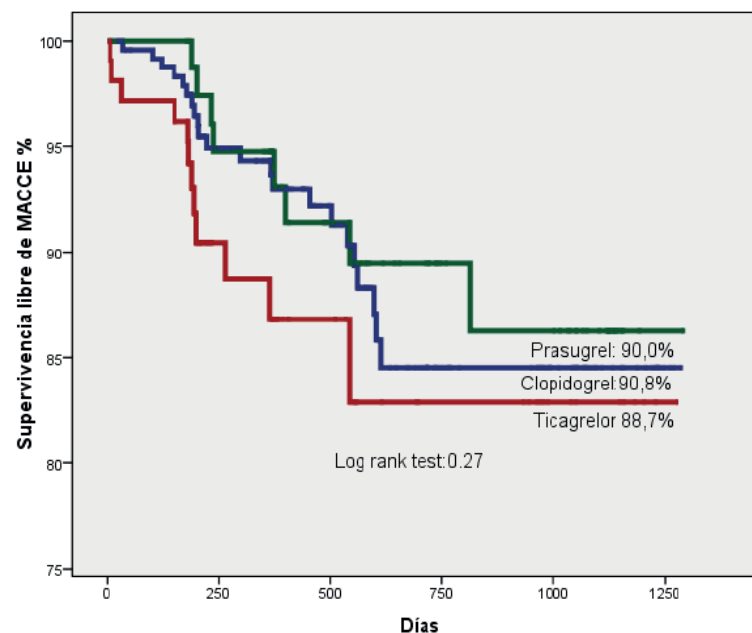
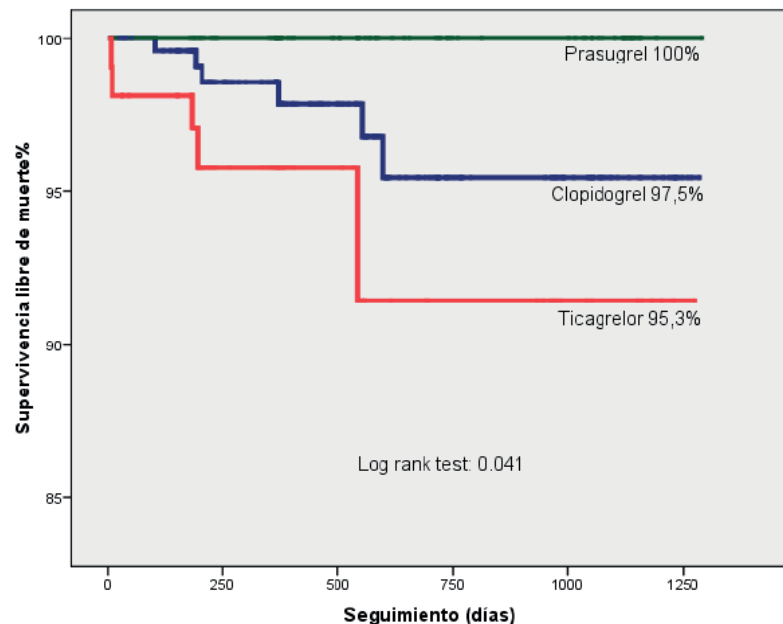
Event Adjudication Committee

- K. Tiroch, C. Jilek, D. Keta, A. Nusca, S. Paul, N. Sarafoff, C. Volmer

Data Coordinating Center

- ISAResearch Center, Munich, Germany

Uso de drogas inhibidoras de P2Y12, clopidogrel, prasugrel y ticagrelor, en pacientes sometidos a intervenciones coronarias percutáneas en el mundo real en la Argentina. Resultados de los Registros ERACI IV y WALTZ



MI: infarto de miocardio; Revasc. pre: revascularización previa; CrM: cirugía de by-pass previa; ECV: enfermedad vascular periférica; IRC: insuficiencia renal crónica; EPOC: enfermedad pulmonar obstructiva crónica; SS: sistema de salud privado; DAPT: doble antiagregación plaquetaria previamente; SCA: síndrome coronario agudo; SCACEST: SCA con elevación del segmento ST-T.

Revista Argentina de Cardioangiología Intervencionista 2019;10(3):111-115. <https://doi.org/10.30567/RACI/201903/0111-0115>

1. Sanatorio Otamendi, Argentina
2. Sanatorio Trinidad Quilmes, Argentina
3. Hospital Español y Policlínico de Cuyo, Mendoza, Argentina
4. Clínica IMA, Argentina
5. Sanatorio Las Lomas, Argentina
6. Hospital El Cruce, Argentina
7. Centro Médico Talar, Argentina

8. Sanatorio Plaza, Rosario, Argentina
9. Sanatorio San Miguel, San Miguel, Argentina
10. Clínica Ipenza, La Plata, Argentina
11. Clínica 25 de Mayo, Buenos Aires, Argentina
12. Clínica Sagrada Familia, Buenos Aires, Argentina
13. Instituto de Diagnóstico y Tratamiento de Enfermedades Cardiovasculares, La Plata, Argentina
14. Clínica Provincial de Merlo, Buenos Aires, Argentina

15. Microport Corp, China
16. Centro de Estudios en Cardiología Intervencionista, CECl, Argentina

✉ Correspondencia: Dr. Rodríguez-Granillo AM.
mrodriguezgranillo@centroceci.com.ar
 Los autores declaran no tener conflictos de intereses
 Recibido: 30/08/2019 | Aceptado: 21/09/2019



Contents lists available at ScienceDirect

International Journal of Cardiology

journal homepage: www.elsevier.com/locate/ijcard



Letter to the Editor

Switching from ticagrelor to prasugrel: A warning[☆]

Guido Parodi^{*}, Benedetta Bellandi, David Antoniucci

Department of Heart and Vessels, Careggi University Hospital, Florence, Italy



dication to prasugrel). However, the Switching AntiPlatelet-2 (SWAP-2) trial suggested a pharmacodynamic interaction when switching from ticagrelor to prasugrel that is only partially mitigated when a prasugrel loading dose was used. In fact, during the early switching phase and up to 7 days of the new treatment, prasugrel was associated with significantly higher platelet reactivity as compared with ticagrelor, with a peak after 48 h [4], just the time after switching at which sudden death for a probable ST occurred in our patient. It is possible that occu-

from the receptor. Ticagrelor may also induce a change in receptor conformation that temporarily precludes prasugrel active metabolite binding. It is easy to anticipate a greater increase in platelet reactivity when switching from ticagrelor to clopidogrel, since the later is able to induce a lower active metabolite production as compared with prasugrel. More

- 1) Both prasugrel and ticagrelor provide a significant reduction of adverse events compared to clopidogrel in patients with ACS, at expense of a significant increase of bleeding risk.
- 2) In patients with STEMI undergoing PCI, indirect data from multicenter registries and meta-analysis, *prasugrel and ticagrelor show that both are superior to clopidogrel in reducing cardiac adverse events, however, prasugrel was also more effective in reduced MACE, overall mortality and cardiovascular death at 1-month and one year compared to ticagrelor.*

“In summary, ISAR REACT 5 add the piece of information that we are waiting to change our current guidelines of DAPT therapy in patients undergoing PCI in ACS”

Mieres J, Fernandez-Pereira, Rodriguez AE NEJM submitted

Why Results of ISAR REACT 5 Should not be a Surprise

now we would like to make a statement about the superiority of prasugrel over ticagrelor, we would only be able to use two of them, making it clearly scientific inappropriate.

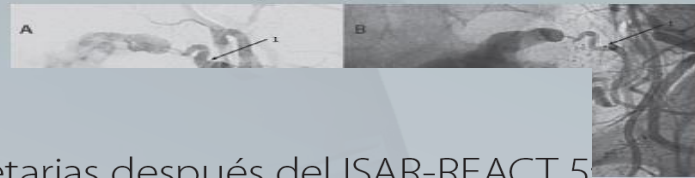


COLEGIO ARGENTINO
DE CARDIOANGIÓLOGOS
INTERVENCIONISTAS

ISSN 2250-7531 ISSN 2313-9307 (en línea)

REVISTA ARGENTINA DE CARDIOANGIOLOGÍA INTERVENCIONISTA

Julio - Septiembre 2019 | Año 10 | Número 3



Editoriales

Selección de drogas antiplaquetarias después del ISAR-REACT 5 ante un nuevo paradigma o la confirmación de datos previos

Rodríguez AE

ISAR-REACT 5 trial: ticagrelor lost in translation

Antoniucci D

ISAR-REACT 5 trial – A new guidance for the treatment of acute coronary syndromes

Schüpke S, Kastrati A

ISAR-REACT 5:
datos previos

t

ticagrelor
en síndrome coronario

Enfermedad de Buerger o tromboangiítis obliterante: importancia de un diagnóstico precoz y tratamiento con análogos de la prostaglandina E1 (PGE1)

Najenson M y cols.

Arteria ciática persistente

Sanjurjo MS y cols.

Arteria coronaria única en paciente octogenario

García Nielsen LA y cols.

Embolización de arteria uterina en una paciente con sangrado vaginal y shock hipovolémico

Barbetta DM y cols.

Indexado en

latindex



Google Scholar





XXIX CONGRESO NACIONAL

CACI2019

Pilar

GRACIAS !!!

- to change DAPT