

Audience Response and Q&A System Instructions

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 - Locate and open the session
 - Tap or click “Polling/Social Q&A” button



Polling/Q&A



- On your phone, tablet or laptop via web browser
 - URL: **aha2019.cnf.io**
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Polls will appear on your device when speakers activate slides containing ARS questions.



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Ticagrelor with Aspirin or Alone in High-Risk Patients after Coronary Intervention for ACS

- Discussant -

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CV Division, Brigham and Women's Hospital



Audience Response Question

Q: What is your current practice regarding use of DAPT for patients who are stented in the setting of ACS? (in absence of known need for anticoagulation)

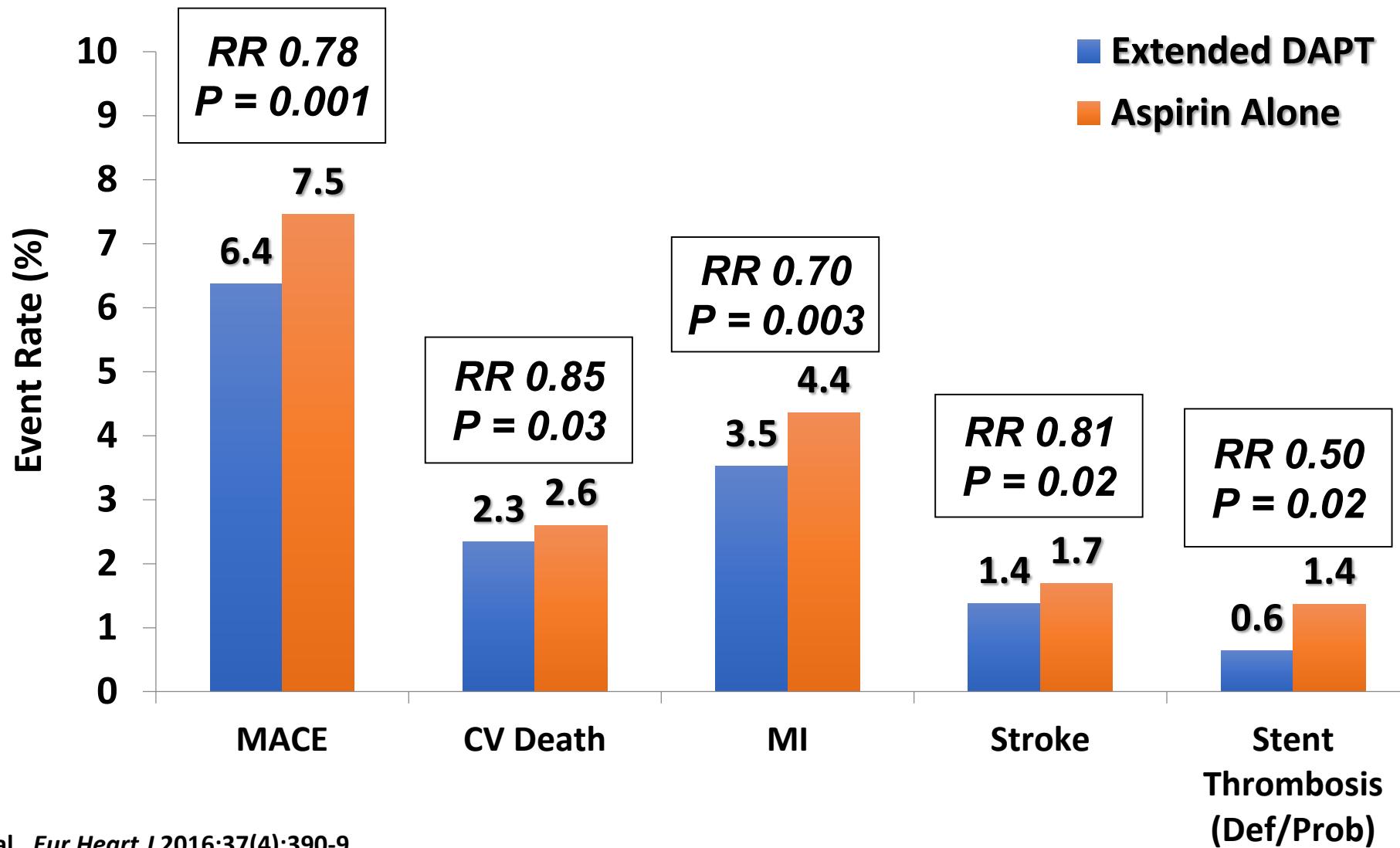
- a) Indefinite use of both ASA and P2Y12 inhibitor
- b) Indefinite use of ASA and discontinue P2Y12 inhibitor after 12 months
- c) Indefinite use of ASA and discontinue P2Y12 inhibitor after 3-12 months
- d) Discontinue ASA after 1-3 months in all patients and continue ticagrelor or prasugrel alone
- e) Discontinue ASA after 1-3 months in all patients and continue clopidogrel alone
- f) Discontinue ASA after 1-3 months only in patients at high bleeding risk and continue P2Y12i

Live Content Slide

When playing as a slideshow, this slide will display live content

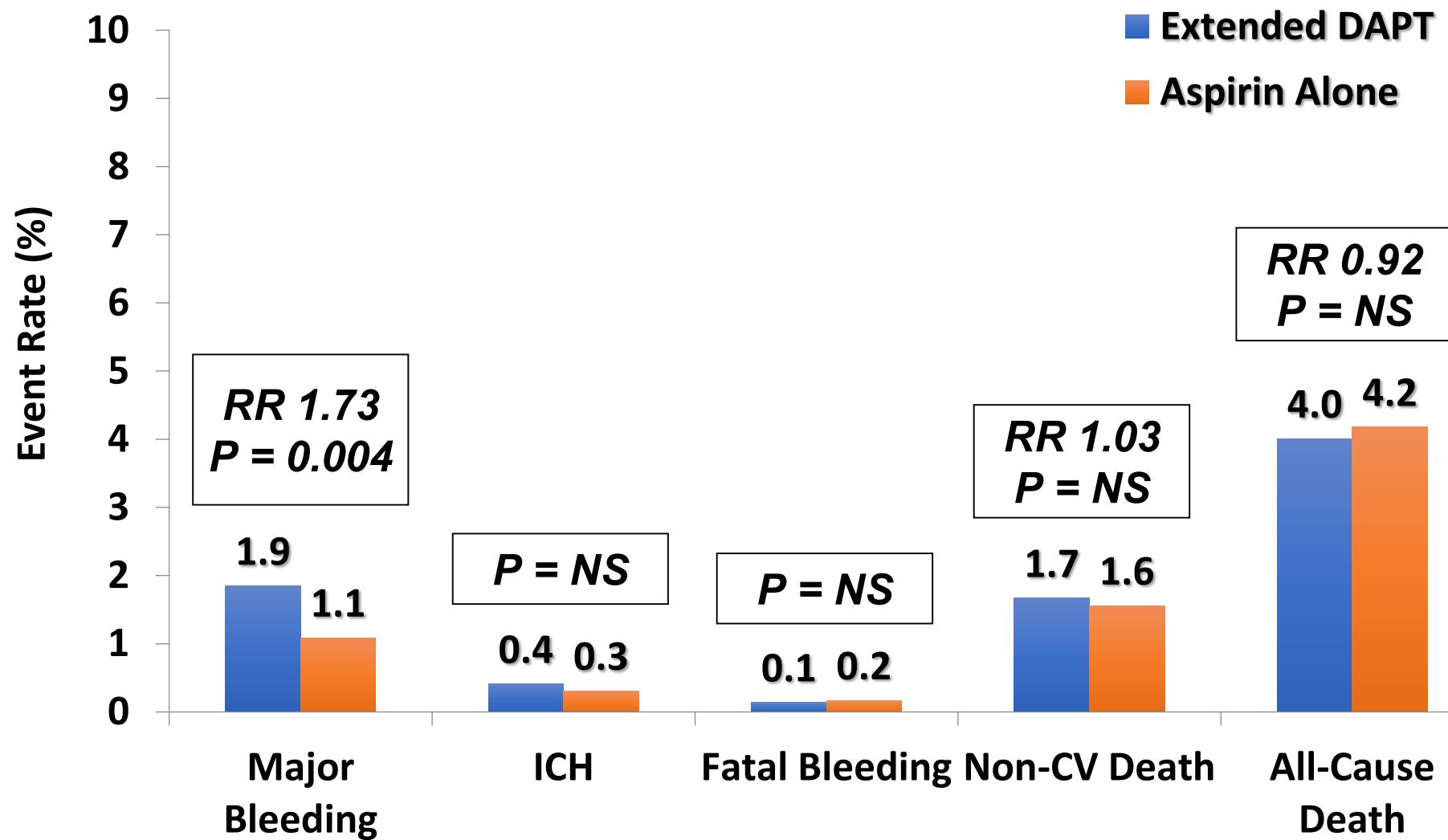
Poll: Q: What is your current practice regarding use of DAPT for patients who are stented in the setting of ACS? (in absence of known need for anticoagulation)

More Prolonged DAPT Reduces Ischemic Events Post MI



Udell JA, Bonaca MP et al. Eur Heart J 2016;37(4):390-9.

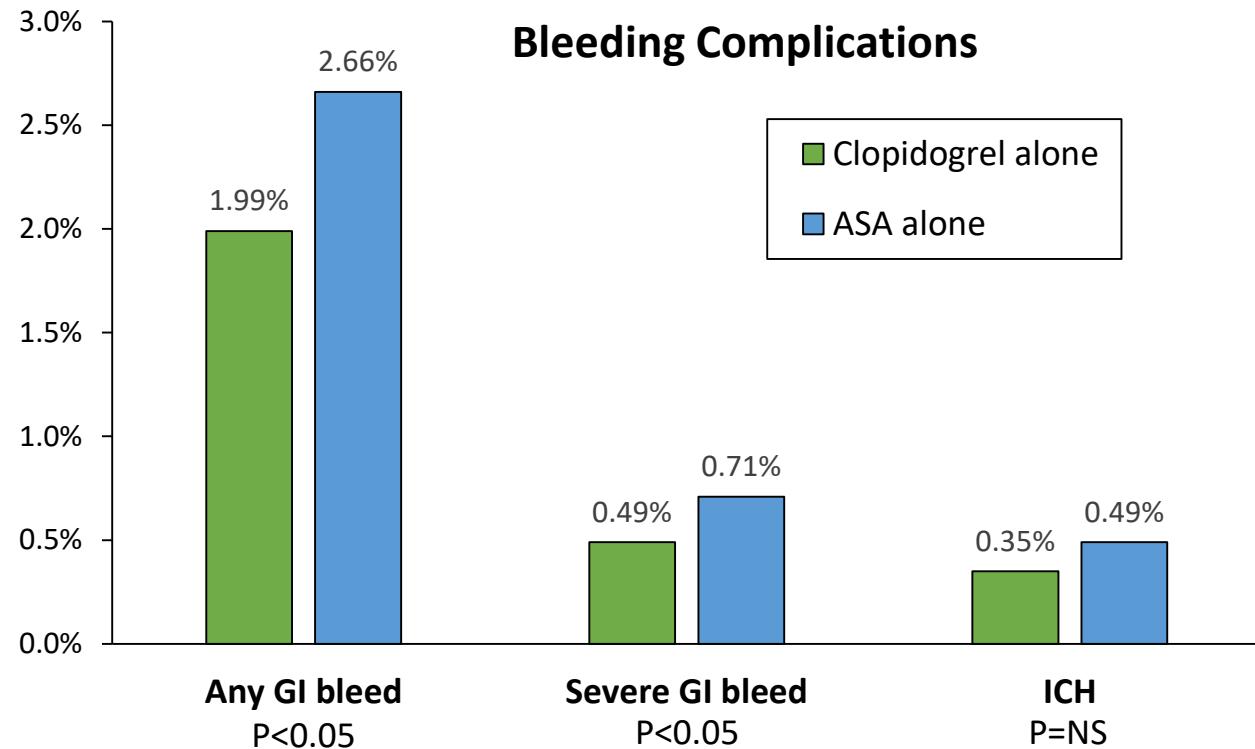
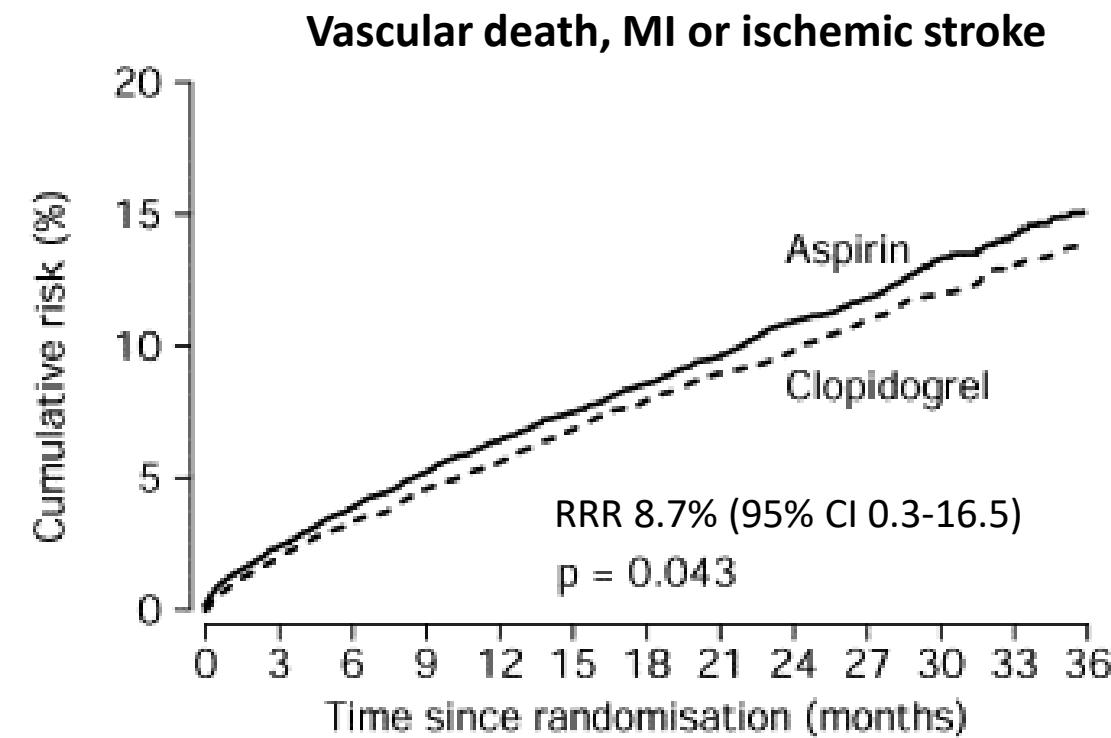
More Prolonged DAPT Increases Risk of Bleeding



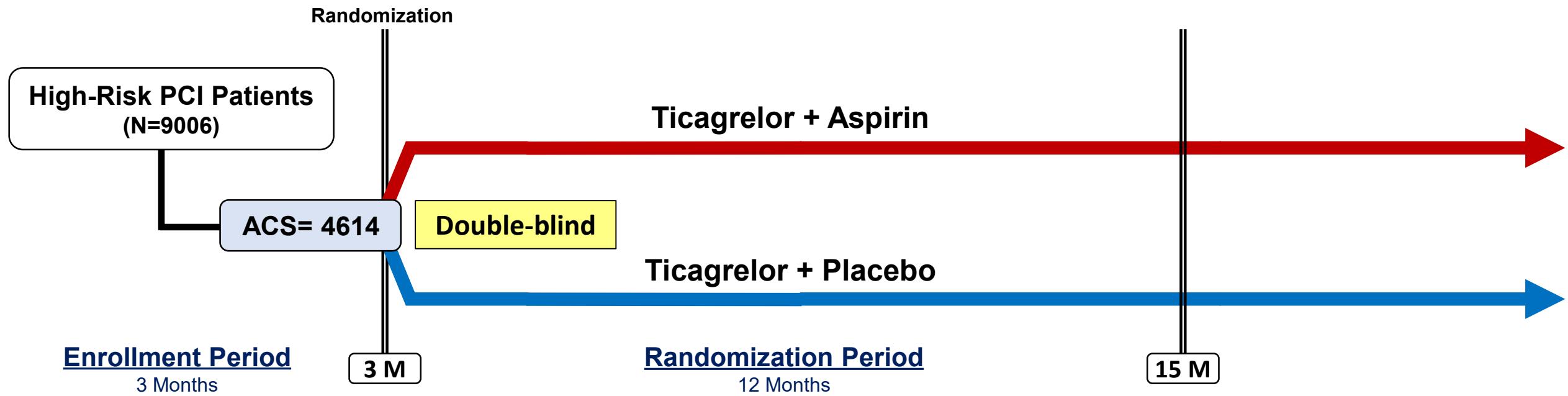
Udell JA, Bonaca MP et al. Eur Heart J 2016;37(4):390-9.

Aspirin vs Clopidogrel: Evidence to Date

CAPRIE: 19,185 patients with recent stroke, MI or symptomatic PAD



TWILIGHT-ACS: Study Design

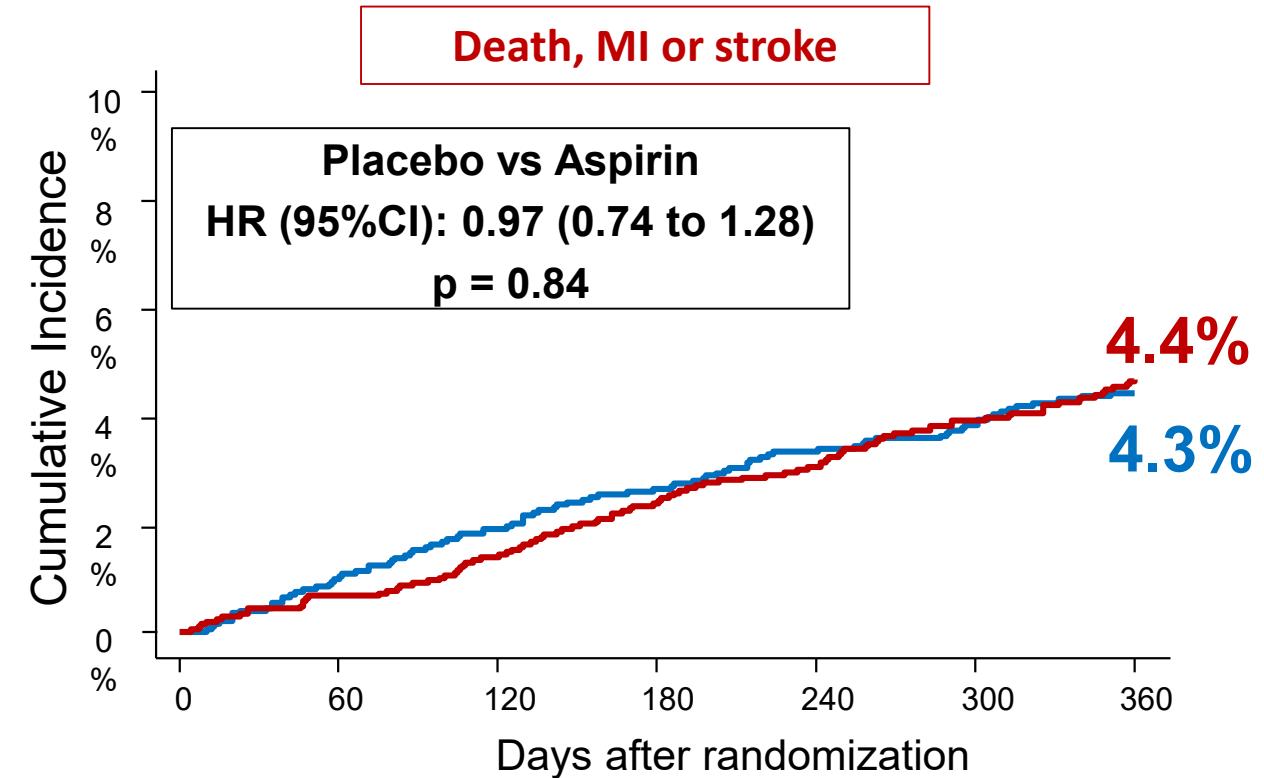
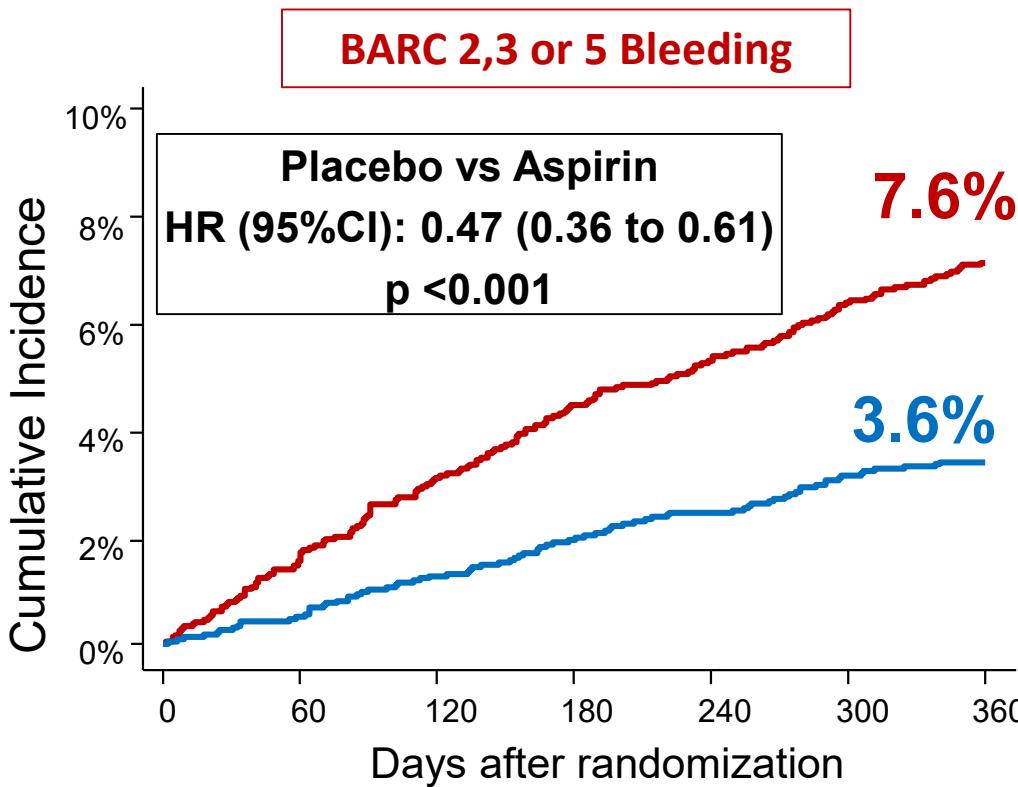


Key Features

- Current analysis restricted to ACS cohort (65% of randomized pts)
- All patients required to have ≥ 1 high-risk clinical and angiographic feature
- $\geq 50\%$ had ≥ 4 high-risk clinical or angiographic features (including 35% DM, 61% w/ multi-vessel dz); STEMI excluded
- Comparable adherence between Rx arms

TWILIGHT-ACS: Primary Results

- Ticagrelor + Placebo
- Ticagrelor + Aspirin



Baber et al., AHA Scientific Sessions 2019

P2Y12 Monotherapy vs DAPT: Evidence to Date



- Open label, 18 countries
- 15,968 pts w/ ACS (47%) or stable CAD post DES
- Experimental arm: Ticagrelor monotherapy post M1
- Control arm: Clopi (stable CAD) or ticagrelor (ACS) x12mos + ASA 75-100mg



- Open label, 33 sites in Korea
- 2993 pts w/ ACS (58%) or stable CAD post DES
- Experimental arm: ASA discontinued at M3 then any P2Y12 inhibitor monotherapy
- Control arm: Any P2Y12 inhibitor + ASA

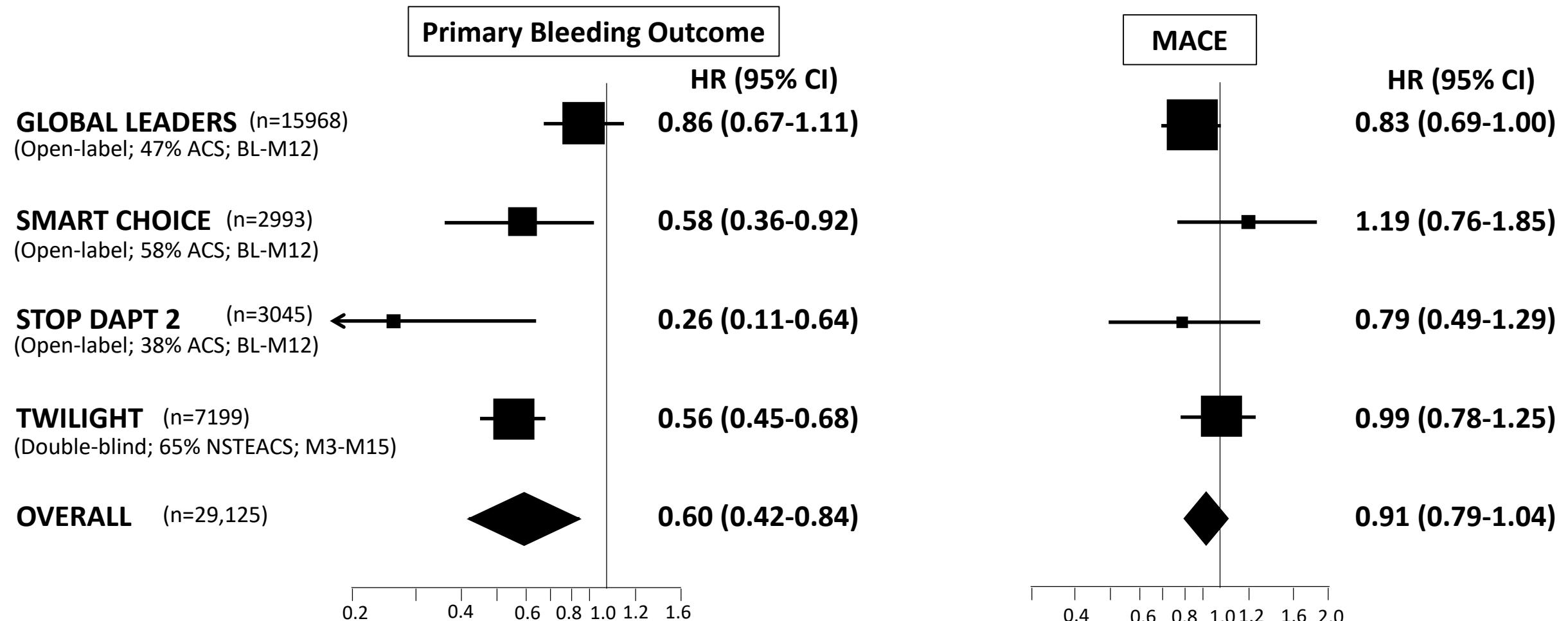


- Open label, 90 sites in Japan
- 3045 pts w/ ACS (38%) or stable CAD post DES
- Experimental arm: Clopidogrel monotherapy post M1
- Control arm: Clopidogrel + ASA



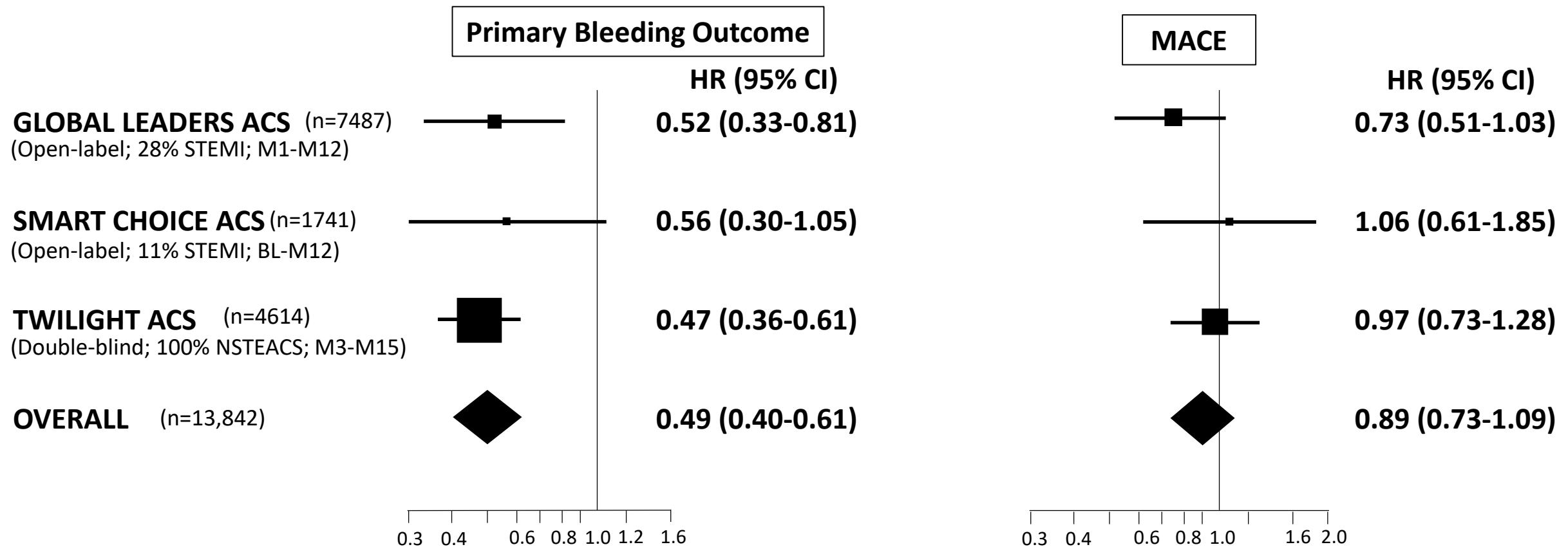
- Double-blind, 11 countries
- 7119 pts w/ NSTEMI (65%) or stable CAD post DES
- Experimental arm: Ticagrelor monotherapy post M3
- Control arm: Ticagrelor + ASA

Safety & Efficacy of Monotherapy with P2Y12 Inhibitor vs DAPT 1-3m post PCI



Vranckx et al., *Lancet* 2018;392:940; Hahn et al., *JAMA* 2019;321:2428; Watanabe et al., *JAMA* 2019;321:2414; Mehran et al., *NEJM* 2019:epub.

Safety & Efficacy of Monotherapy with P2Y12 inhibitor vs DAPT 1-3m post ACS



O'Donoghue ML et al., Unpublished

MACE data for STOP DAPT2 in ACS not previously published

Tomanik et al., *JAMA Cardiol* 2019:epub; Hahn et al., *JAMA* 2019;321:2428; Watanabe et al., *JAMA* 2019;321:2414; Mehran et al., *NEJM* 2019:epub.

Remaining Questions

- **For patients on monotherapy, which P2Y12 inhibitor is best choice?**
 - Should we require genotyping or platelet function testing for patients on clopidogrel monotherapy?
- **Could ASA be safely discontinued before 1-3 months?**
- **Beyond M12, should a P2Y12 inhibitor be continued indefinitely without ASA?**
- **Even though the study population was high-risk, patient selection always raises questions about universal generalizability.**
- **Current study excluded STEMI patients, although reasonable representation across prior trials.**

Conclusions

- Discontinuation of aspirin markedly reduces bleeding when stopped 1-3 months post PCI and/or ACS for patients initially started on DAPT
- The evidence to date does not indicate that stopping ASA leads to any increase in the risk of MACE
- These findings now extend to patients with ACS, including those with high-risk clinical and angiographic features