

# Clopidogrel Monotherapy after Short-term DAPT

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#### Disclosures

Name of Author: Takeshi Kimura

ABBOTT Vascular, and Boston Scientific.



# Why we chose clopidogrel monotherapy after DAPT in the STOPDAPT-2?

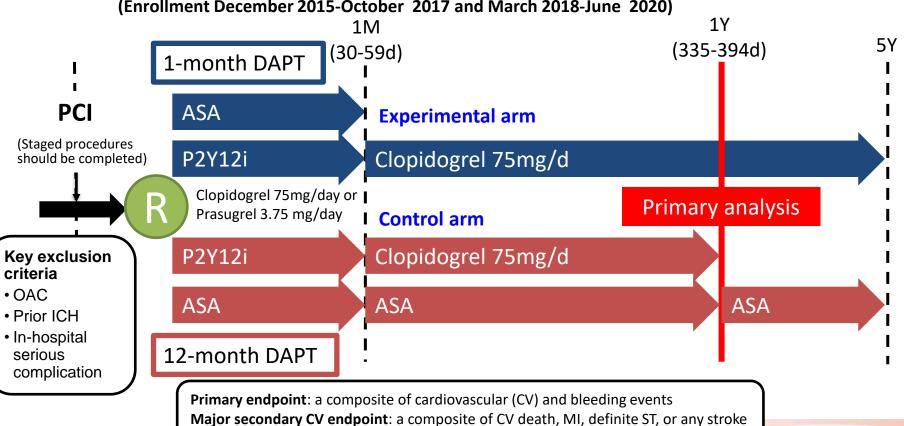
In Japan, we have adopted an upfront de-escalation strategy after coronary DES implantation, using clopidogrel or reduced-dose prasugrel as a component of DAPT.

Accordingly, we should choose an antiplatelet monotherapy after short-term DAPT, that is different from ticagrelor monotherapy currently used outside Japan.

Therefore, we should conduct our own clinical trials to establish the optimal antiplatelet monotherapy following short-term DAPT after coronary DES implantation in Japan.

# STOPPAPT-2 STOPDAPT-2 and STOPDAPT-2 ACS

Prospective multicenter open-label randomized trial comparing 1-month versus 12-month DAPT after CoCr-EES implantation (Enrollment December 2015-October 2017 and March 2018-June 2020)

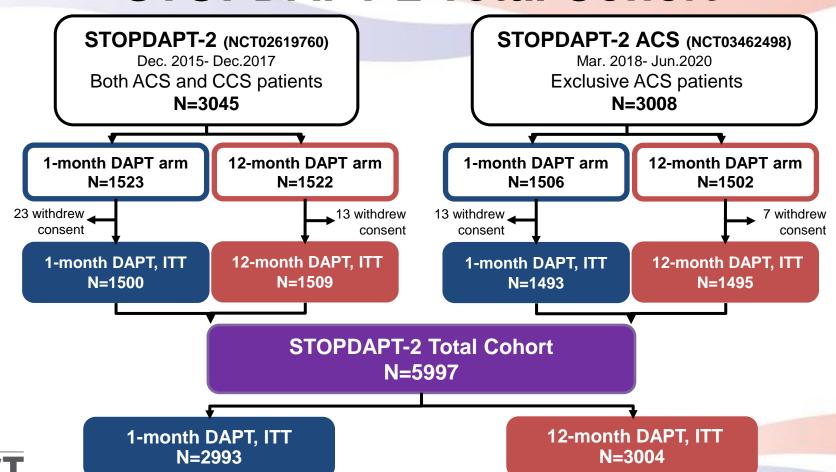


Major secondary bleeding endpoint: TIMI major/minor bleeding

#### STOPDAPT-2 Total cohort

**CRF**°

# Total Cohort STOPDAPT-2 Total Cohort

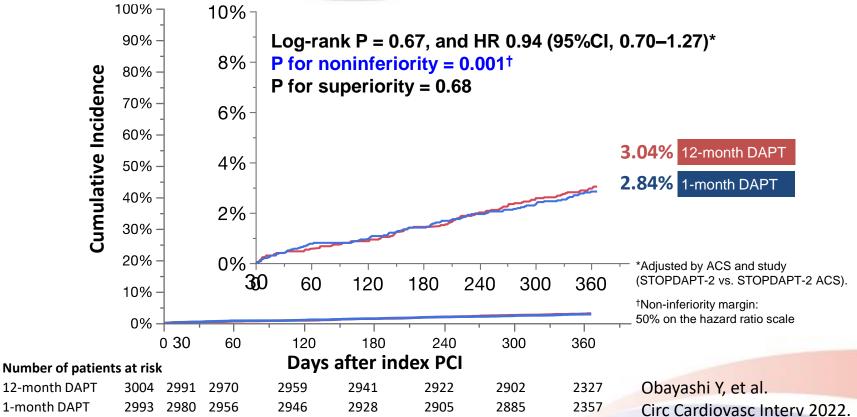




### **STOPDAPT-2 Total Cohort**

# **Primary Endpoint**

#### CV death/MI/ST/Stroke/TIMI major/minor bleeding





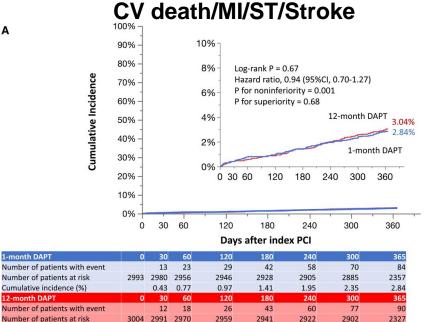


Cumulative incidence (%)

#### **STOPDAPT-2 Total Cohort**

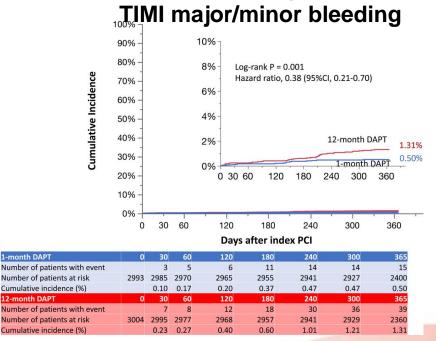
#### **Major Secondary Endpoints**

# Cardiovascular Endpoint



0.40 0.60

#### **Major Bleeding Endpoint**



Clopidogrel monotherapy after 1-month DAPT compared to 12-month DAPT with aspirin and clopidogrel:

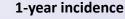
Significant reduction in major bleeding without increase in CV events!!

0.87

Obayashi Y, et al. Circ cardiovasc Interv. 2022.

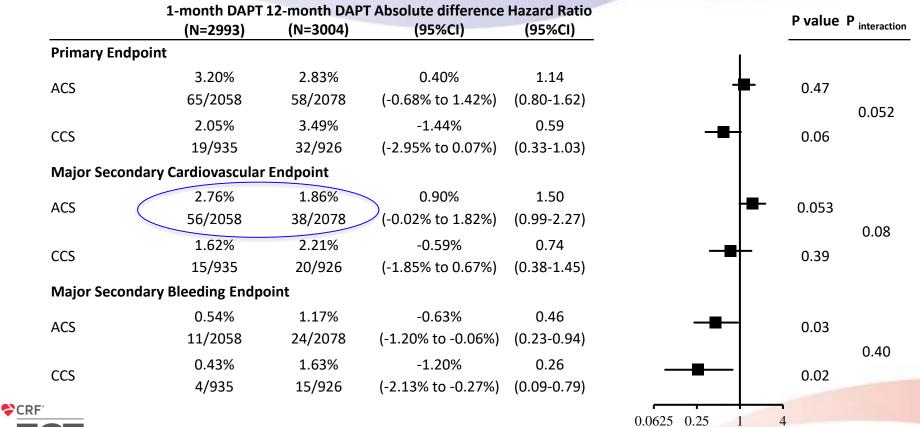


### **ACS/CCS Subgroup Analysis**



(N with event/subtotal N)

Obayashi Y, et al. Circ Cardiovasc Interv 2022.

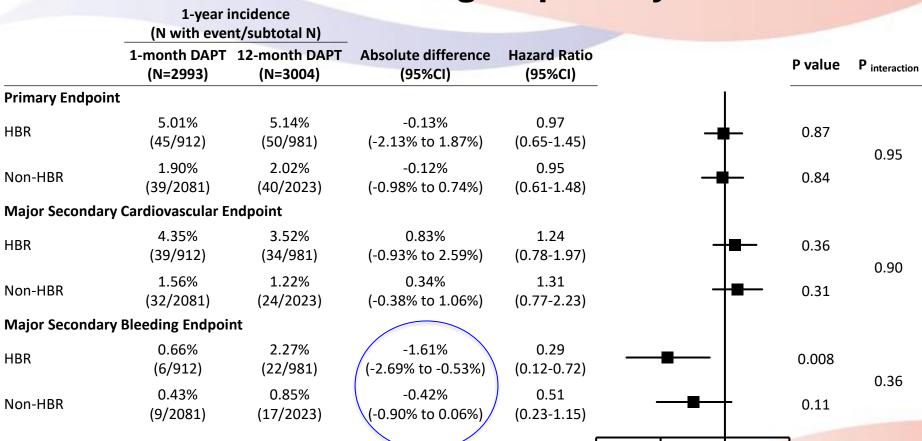


12-month DAPT better

1-month DAPT better



## **HBR Subgroup Analysis**



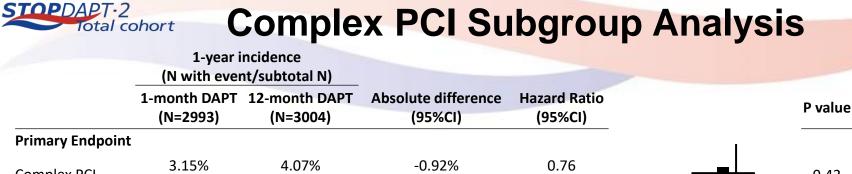
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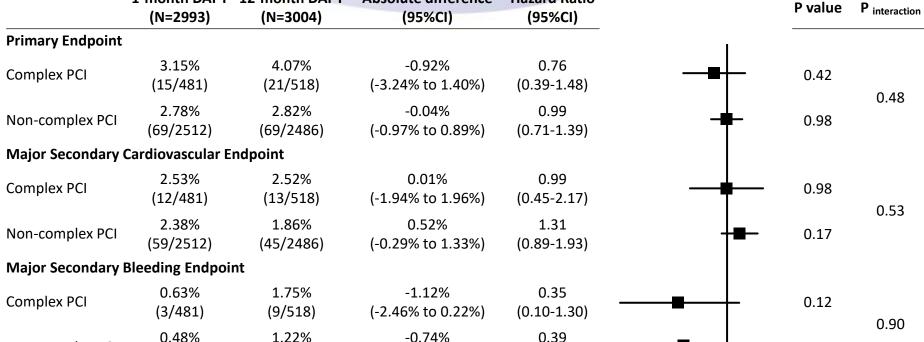
Yamamoto K, et al. JACC Asia 2023.

0.0625 0.25 2023. 1-month DAPT better

4
12-month DAPT better









(12/2512)

(30/2486)

Yamamoto K, et al. JACC Asia 2023.

(-1.25% to -0.23%)

0.0625 0.25 1-month DAPT better

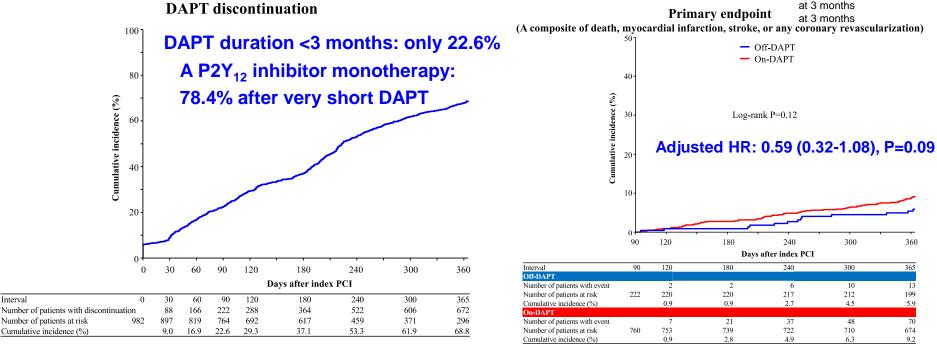
(0.20 - 0.77)

12-month DAPT better

0.006

# OPTIVUS Penetration and CV Outcomes of Very Short DAPT in the OPTIVUS Complex PCI Multivessel Cohort Conducted after Release of the STOPDAPT-2 Trial Results

(March 2019-Apr 2021)



Yamamoto K, et al. Circ J. 2023.

#### STOPDAPT-3 Trial Exploring Completely Aspirin-free Strategy

#### <Entry Criteria>

- 1. PCI with planned exclusive use of CoCr-EES (XIENCE)
- 2. ACS presentation or ARC-HBR
- 3. Eligible for DAPT (Aspirin/P2Y<sub>12</sub> inhibitor) for 1 month

**No Exclusion Criteria** 

Informed Consent Before Angiography

Randomization After Angiography, but Before PCI

Loading Aspirin also, if Aspirin naïve

No aspirin Group
3001 Patients

1-month DAPT Group 3001 Patients

Prasugrel Monotherapy for 1M Primary Analysis at 1-Month

Primary Analysis DAPT (Aspirin and Prasugrel) for 1M

Co-primary Bleeding Endpoint: BARC 3 or 5 bleeding at 1M (Superiority)

Co-primary Cardiovascular Endpoint: CV death/MI/Ischemic Stroke/ST at 1M (Non-inferiority)

Clopidogrel Monotherapy
Between 1M and 12 M

Exploratory Analysis Aspirin Monotherapy Between 1M and 12 M

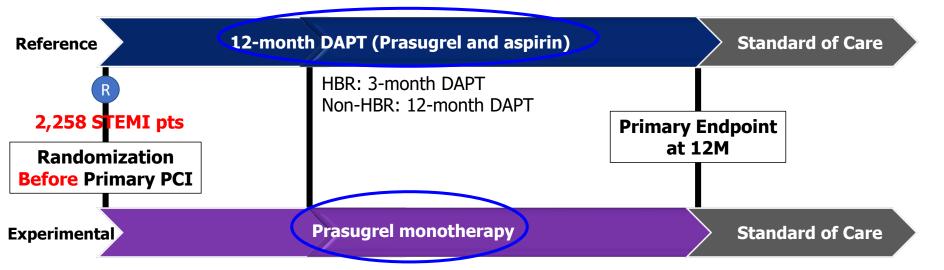
#### **PREMIUM Trial**

#### Multicenter, open-label, randomized controlled trial

PIs: Professor Gaku Nakazawa, Professor Ken Kozuma, Professor Yoshihiro Morino

**Primary endpoint**: MACE: All-cause death, MI, or stroke at 12 months for Non-inferiority

Major Secondary endpoint: BARC type 3 or 5 bleeding at 12 months for Superiority



12 Months

3 Months



## Conclusions

Clopidogrel monotherapy after 1-month DAPT compared with 12-month DAPT with aspirin and clopidogrel had a benefit in reducing major bleeding events without significant increase in cardiovascular events in the STOPDAPT 2 Total Cohort.

However, given a numerical increase in cardiovascular events with clopidogrel monotherapy after 1-month DAPT in ACS patients, further studies would be warranted to explore the optimal antiplatelet monotherapy after short-term DAPT in ACS patients.