

# **Fractional Flow Reserve–Guided PCI versus Medical Therapy in Stable Coronary Disease**

## **FAME 2**

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## **Potential conflicts of interest**

**Speaker's name: Bernard De Bruyne**

☐ **I have the following** potential conflicts of interest to report:

- ☒ Research contracts
- ☒ Consulting
- ☐ Employment in industry
- ☐ Stockholder of a healthcare company
- ☐ Owner of a healthcare company
- ☐ Other(s)

☐ **I do not have any potential conflict of interest**

# **Study Supported by St. Jude Medical**

## **Background**

- In patients with stable coronary disease, PCI has not been shown to improve prognosis
- FAME 1 demonstrated the superiority of FFR-guided over angiography-guided PCI
- In previous trials, revascularization has been guided by the angiographic appearance of the lesions
- It is likely that in previous trials a sizable proportion of patients had no or little ischemia

## **Objective**

**To compare clinical outcomes of FFR-guided contemporary PCI plus the best available medical therapy (MT) versus MT alone in patients with stable coronary disease**

Flow Chart

Stable CAD patients scheduled for 1, 2 or 3 vessel DES-PCI  
N = 1220

FFR in all target lesions

Randomized Trial

Registry

At least 1 stenosis  
with  $FFR \leq 0.80$  (n=888)

Randomization 1:1

PCI + MT

MT

73%

When all  $FFR > 0.80$   
(n=332)

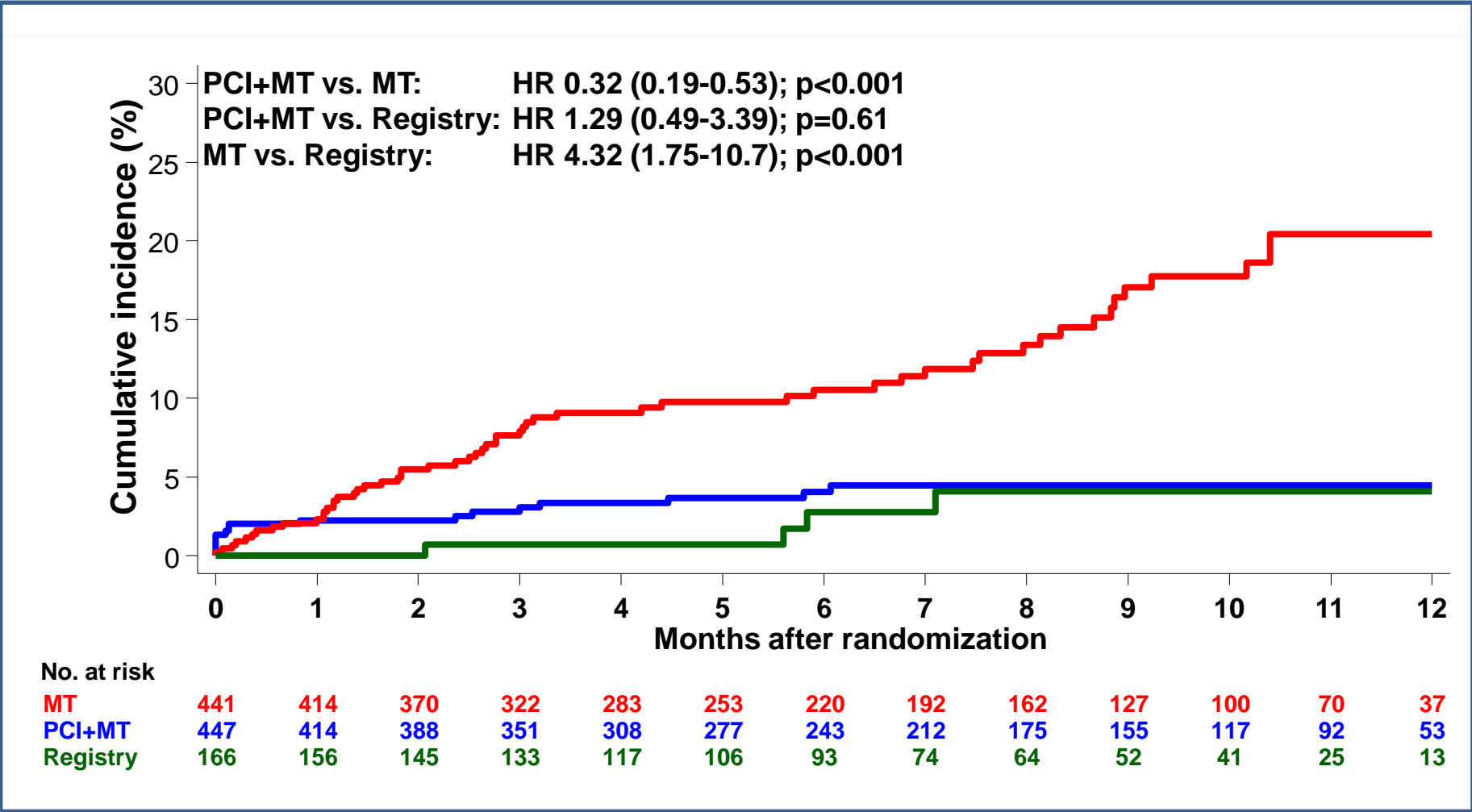
MT

27%

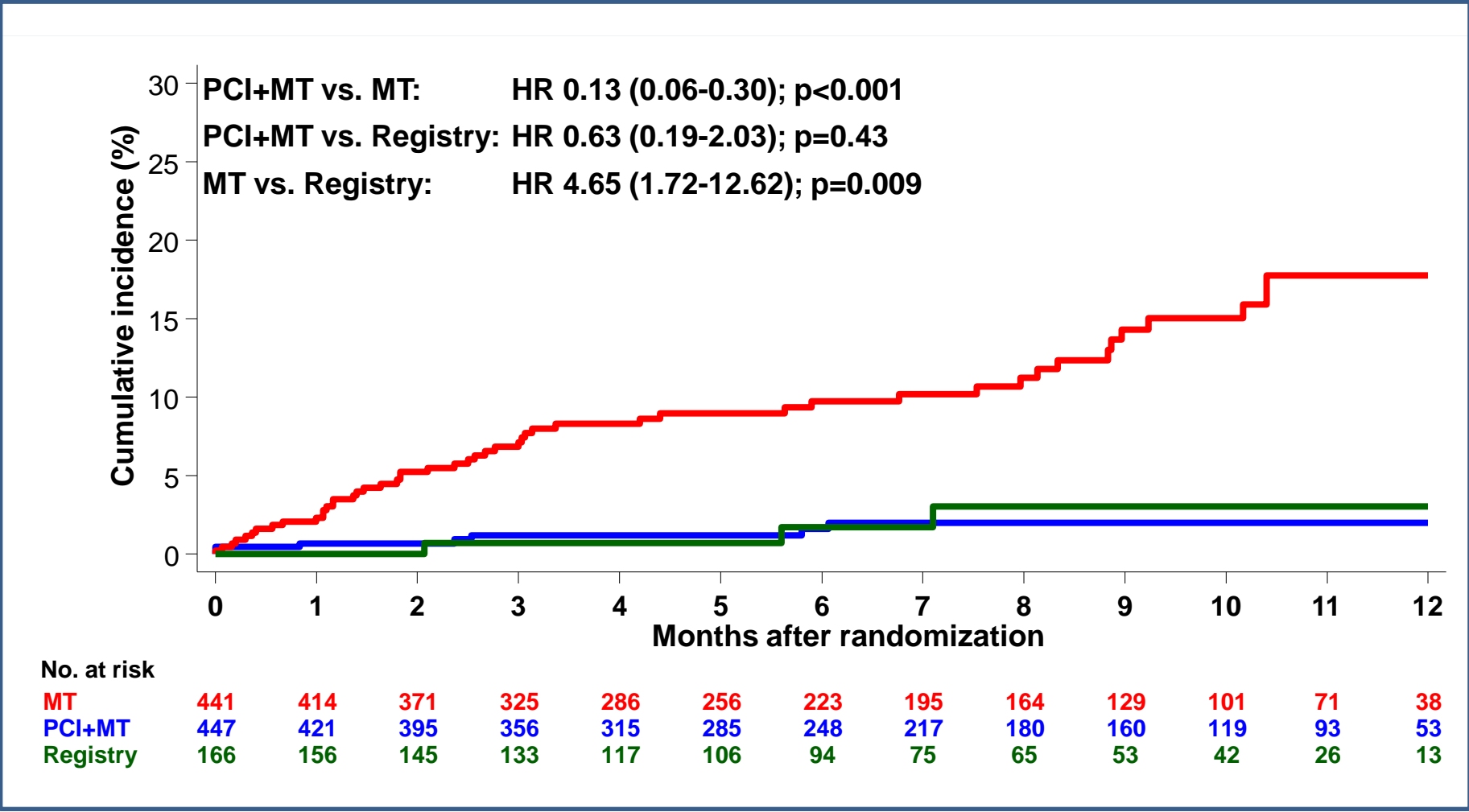
50% randomly  
assigned to FU

Follow-up after 1, 6 months, 1, 2, 3, 4, and 5 years

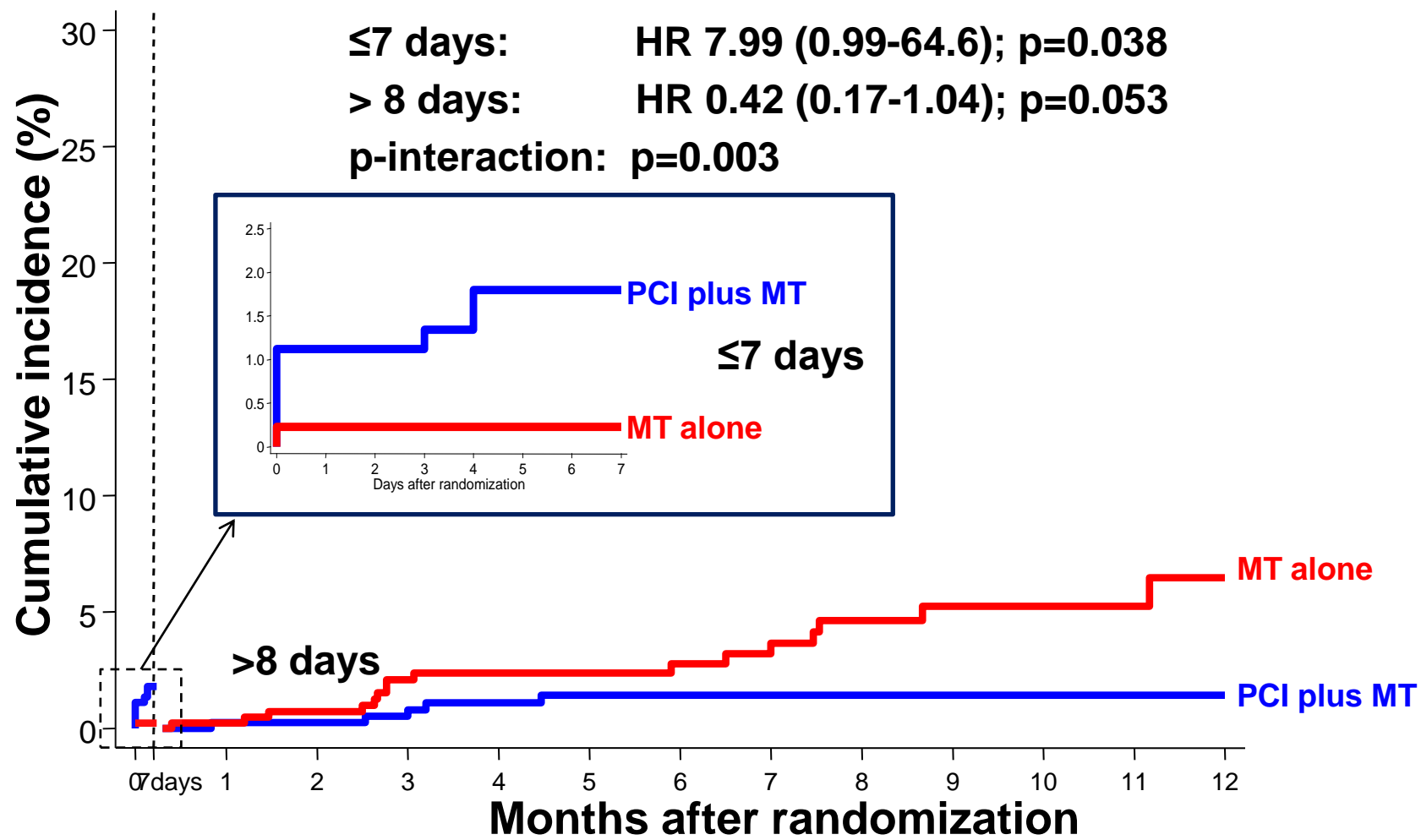
# Primary Outcomes



# Urgent Revascularization



# Kaplan-Meier plots of Landmark Analysis of Death or MI





## **Conclusions**

- **In patients with stable coronary artery disease, FFR-guided PCI, improves patient outcome as compared with medical therapy alone**
- **This improvement is driven by a dramatic decrease in the need for urgent revascularization for ACS**
- **In patients with functionally non-significant stenoses medical therapy alone resulted in an excellent outcome, regardless of the angiographic appearance of the stenoses**