The FUnctional Testing Underlying coronary REvascularization (FUTURE) Study: A "real World" Comparison Of Fractional Flow Reserve-guided Management Versus Conventional Management In Multi Vessel Coronary Artery Disease Patients

**Purpose:** To compare fractional flow reserve-guided management versus angiogram-guided conventional management in multi vessel coronary artery disease patients

**Trial Design:** patients with multi-vessel CAD randomized 1:1 to FFR-guided treatment (including medical treatment only, PCI or coronary artery bypass graft (CABG) surgery) or to traditional treatment based on angiogram results without FFR. 31 French centers. Controlled trial.

**Primary Endpoint:** at 1 year, composite of major cardiovascular events (all-cause death, non-fatal MI, stroke, repeat revascularization)

**Trial Results**

Enrollment was stopped on May 12 based on recommendations from the study independent data safety monitoring board because of a significant greater mortality in the FFR-group. 936 patients were enrolled.

All-cause mortality (FFR vs. angiogram)  
\[ p = 0.02, \text{HR} \ 2.39 \]

**Conclusions:** In high-risk patients with multivessel coronary disease, the use of FFR to guide management strategy decisions demonstrated significantly more mortality and the primary endpoint was not improved compared to angiogram-guided traditional therapy.

Presented by: Gilles Rioufol, Scientific Sessions 2016, New Orleans, LA, USA  
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