

## Background

The optimal antithrombotic regimen in patients with atrial fibrillation (AF) and chronic coronary syndrome (CCS) remains uncertain. Prior randomized controlled trials and earlier meta-analyses suggested that oral anticoagulation (OAC) alone without antiplatelet therapy might provide adequate ischemic protection while reducing bleeding in patients with AF and CCS.

## Methods

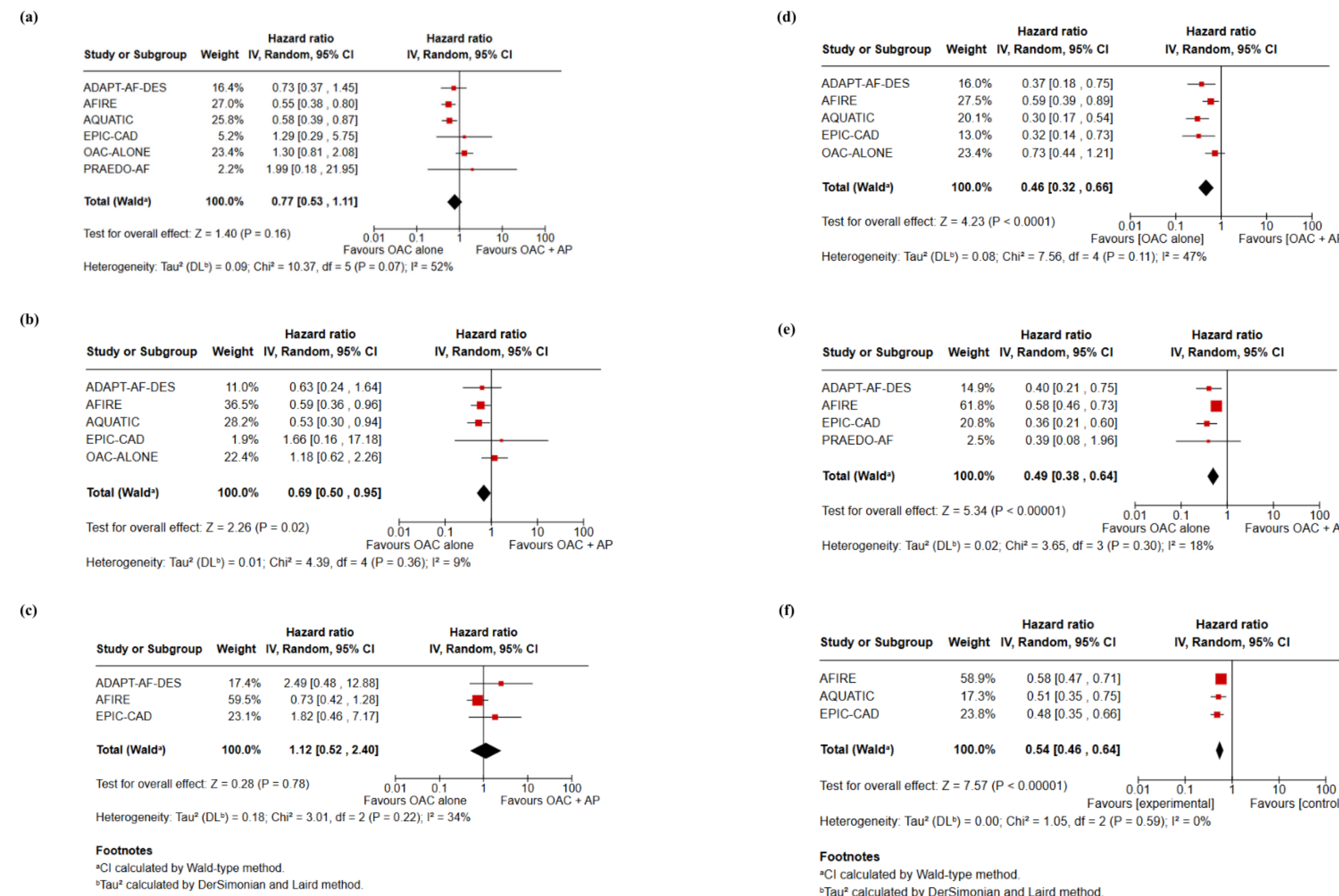
We systematically searched PubMed, Scopus, and Embase for randomized controlled trials comparing OAC alone versus OAC plus single antiplatelet therapy in patients with AF and CCS. Meta-analysis of 6 RCTs comprising 5,924 patients was performed. Random-effects models were used to calculate pooled hazard ratios (HRs) and 95% confidence intervals (CIs) for outcomes including all-cause mortality, cardiovascular death, myocardial infarction, ischemic stroke, major bleeding, clinically relevant non-major bleeding, and any bleeding.

## Results

OAC alone significantly reduced cardiovascular death (HR 0.69, 95% CI 0.50-0.95;  $p=0.02$ ), major bleeding (HR 0.46, 95% CI 0.32-0.66;  $p<0.001$ ), clinically relevant non-major bleeding (HR 0.49, 95% CI 0.38-0.64;  $p<0.001$ ), and any bleeding (HR 0.54, 95% CI 0.46-0.64;  $p<0.001$ ). There were no other statistically significant differences between the groups for the remaining outcomes.

## Key findings

- Similar ischemic protection overall
- Lower cardiovascular death (b) HR 0.69 (0.50-0.95)
- Lower major bleeding (d) HR 0.46 (0.32-0.66)
- Lower CRNMB (e) HR 0.49 (0.38-0.64)
- Lower any bleeding (f) HR 0.54 (0.46-0.64)



Forest plots showing results of primary and secondary outcomes : (a) all-cause mortality, (b) cardiovascular death, (c) ischemic stroke, (d) primary safety endpoint (major bleeding), (e) clinically relevant non-major bleeding, and (f) any bleeding.

## Conclusion

In AF and CCS, OAC alone confers similar protection against ischemic events and significantly reduces bleeding and cardiovascular death compared with OAC plus single antiplatelet therapy.