

E.5 Aortic stenosis – aortic valve calcium score on CT

Figure 22: Severe aortic valve calcification (≥ 2065 in AU in men and ≥ 1274 AU in women) compared to non-severe aortic valve calcification (< 2065 AU in men and < 1274 AU in women) on CT in at least mild AS under conservative management (27% with heart failure symptoms and mean gradient 35 mmHg)

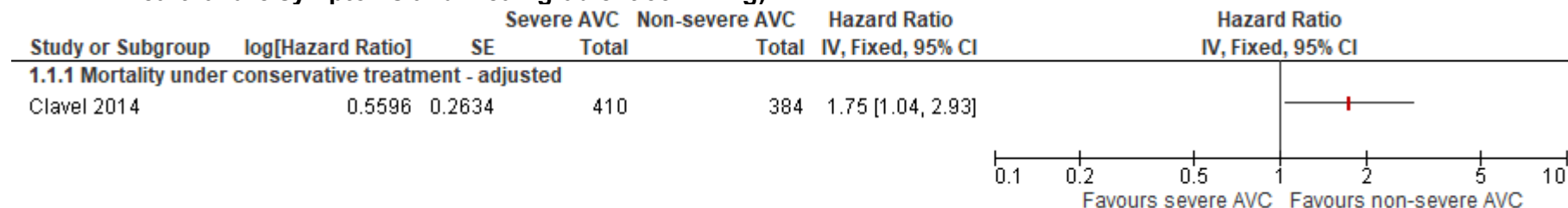
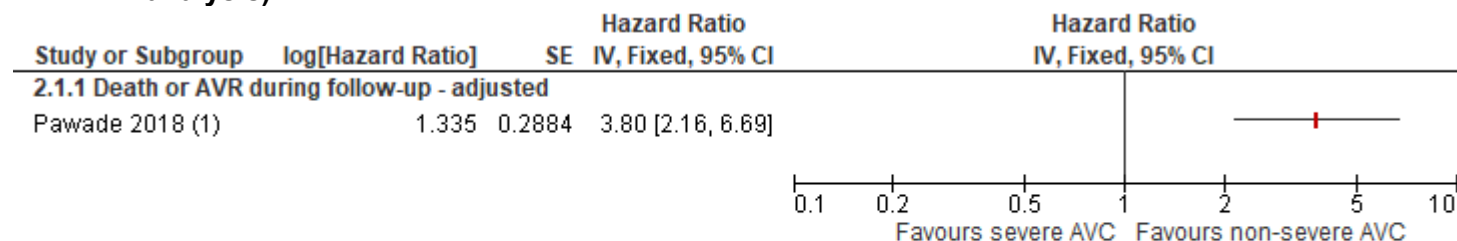


Figure 23: Severe aortic valve calcium (≥ 2065 AU for men and ≥ 1274 AU for women) compared to non-severe AVC (< 2065 AU for men and < 1274 AU for women) on CT in various AS presentations, including mild-severe with symptom status varying between patients (only includes those where decision on whether to perform an intervention had not been made prior to CT in outcome analysis)



Footnotes

(1) Number in each group not reported

Figure 24: Aortic valve calcium score ≥ 723 compared to < 723 on CT in asymptomatic mild-severe AS (with 45% being severe cases)

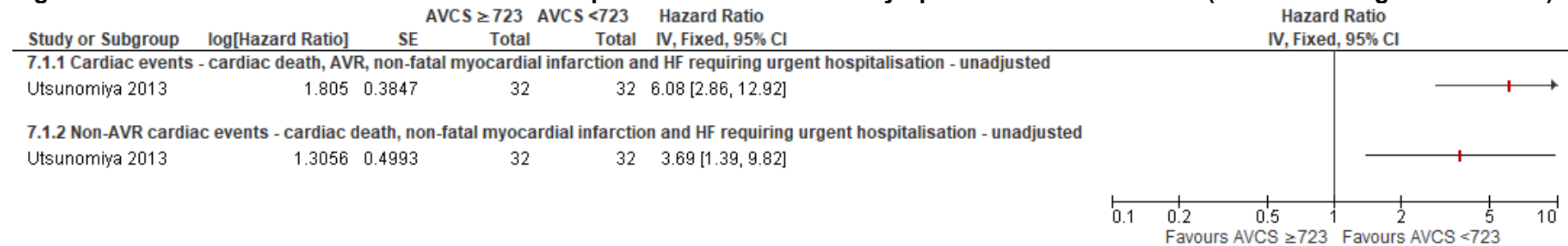


Figure 25: Aortic valve calcium score ≥ 1266 compared to < 1266 on CT in asymptomatic severe AS subgroup

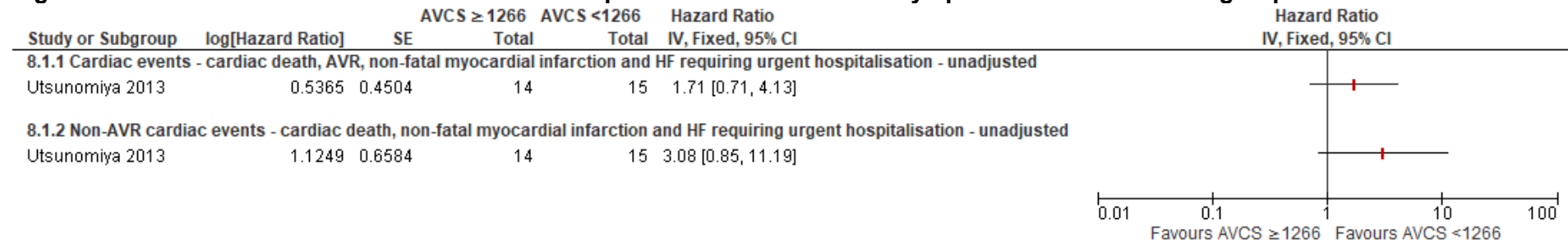
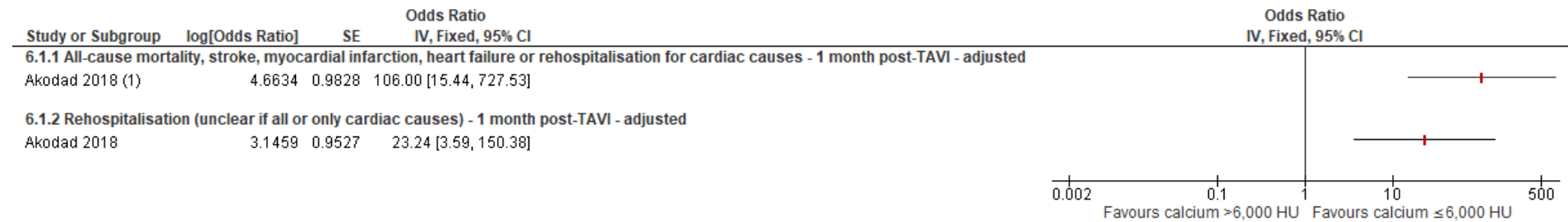


Figure 26: Calcium score $> 6,000$ HU vs. $\leq 6,000$ HU on CT in undergoing those undergoing TAVI for AS ($> 50\%$ NYHA class ≥ 3 and mean gradient consistent with severe AS)



Footnotes

(1) Number in each group not reported

Figure 27: Calcium score >2027 compared to ≤2027 AU on CT in low-flow low-gradient severe AS undergoing surgical AVR

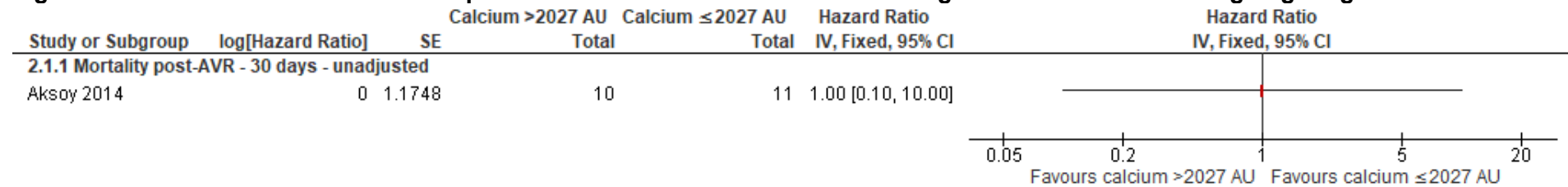


Figure 28: Aortic valve calcium score ≥1200 in women and ≥2000 AU in men compared to <1200 and <2000 on CT in low-gradient severe AS undergoing TAVI

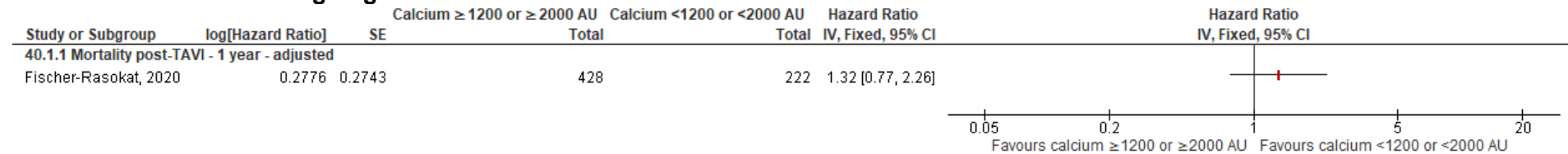
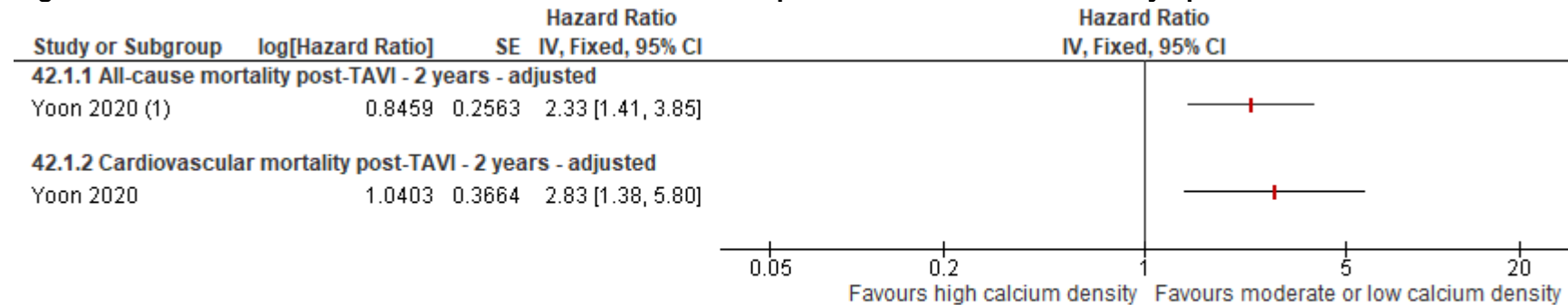


Figure 29: Aortic valve leaflet calcification >382 mm³ compared to ≤382 mm³ on CT in symptomatic severe AS



Footnotes

(1) Numbers in each group not stated

Figure 30: Aortic valve calcium density tertiles on CT (highest vs other tertiles) in severe AS undergoing TAVI

