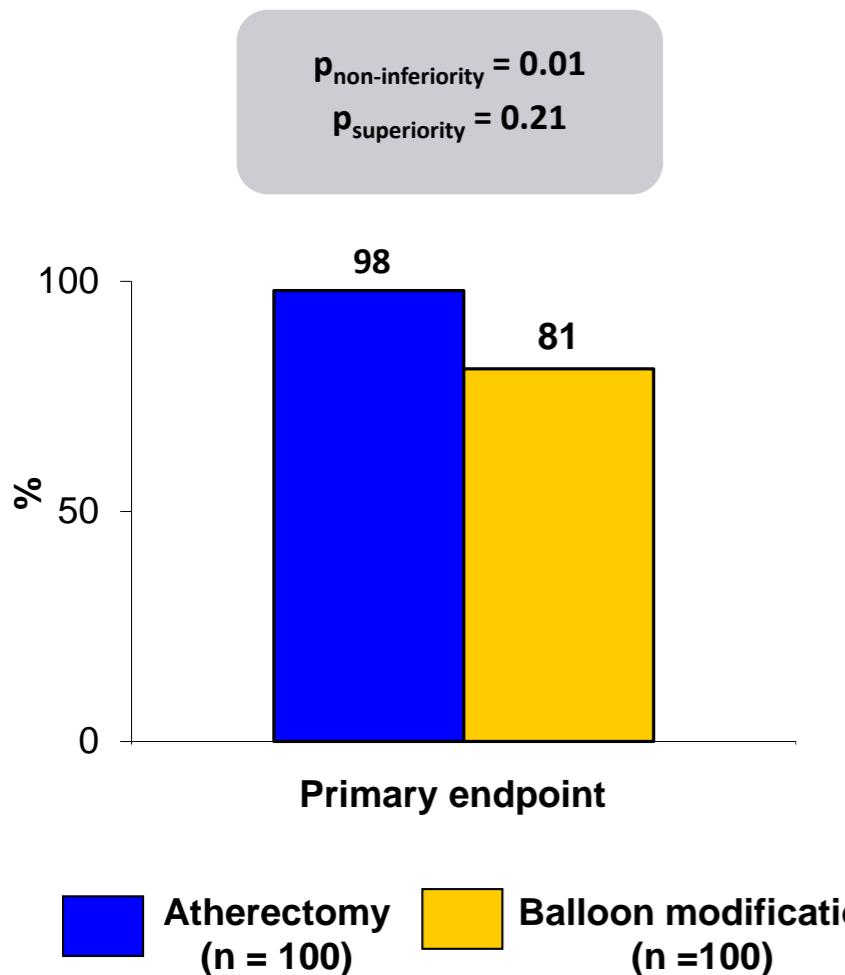


# PREPARE-CALC

## #TCT2018



**Trial description:** Patients with severely calcified coronary lesions were randomized 1:1 to either rotational atherectomy or balloon modification prior to stenting with an Orsiro sirolimus-eluting stent. Patients were followed for 9 months.



### RESULTS

- Primary endpoint, strategy success at the end of the procedure, for rotational atherectomy vs. balloon modification: 98% vs. 81%,  $p = 0.0001$ , driven mostly by crossovers (0% vs. 16%,  $p < 0.0001$ )
- Late lumen loss at 9 months: 0.22 vs. 0.16 mm,  $p_{\text{noninferiority}} = 0.01$ ,  $p_{\text{superiority}} = 0.21$

### CONCLUSIONS

- Among patients with severely calcified coronary lesions, the routine use of rotational atherectomy increases stent deliverability compared with the use of balloon modification techniques, but angiographic late lumen loss and clinical outcomes at 9 months were similar

Presented by Dr. Gert Richardt at TCT 2018