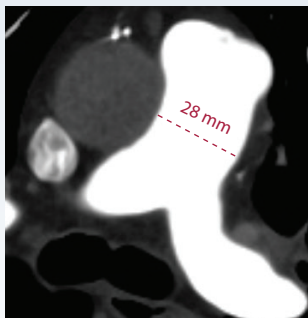


## Is Main Pulmonary Artery Diameter Prognostic in Pulmonary Arterial Hypertension?

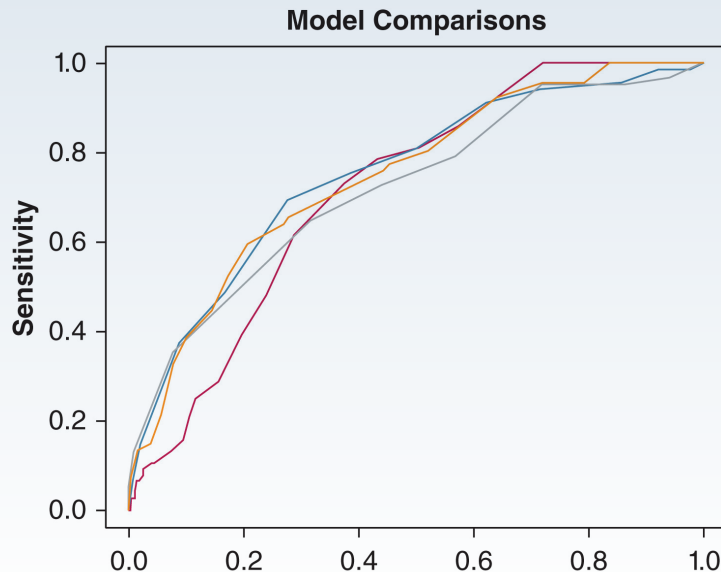
### STUDY DESIGN

- Retrospective study of **351 patients with pulmonary arterial hypertension (PAH)** from two referral centers



- End point:** Composite death, lung transplantation, and right-sided heart failure hospitalization

### RESULTS



- Over  $4.0 \pm 3.4$  years follow-up, 190 primary events occurred, and main pulmonary artery (MPA) diameter was a predictor (HR, 1.06/mm; 95% CI, 1.04-1.07;  $P < .001$ ).
- MPA growth rate also predicted the outcome (HR, 1.79/mm/year; 95% CI, 1.52-2.11;  $P < .001$ ), independent of baseline MPA diameter.

In this study, MPA diameter was found to be a significant predictor of adverse clinical events in patients with PAH without congenital heart disease.