

## Supplementary Material

Supplemental Digital Content Fig. 1.

Four-quadrant plot analysis used to examine the trending ability for the  $\Delta\text{CO}_{\text{ClearSight}}$  compared with that for the  $\Delta\text{CO}_{\text{TD}}$  after artificial valve deployment. The shaded gray area is the exclusion zone that was set as the percentage change in cardiac output (CO) < 5%.  $\Delta\text{CO}_{\text{ClearSight}}$ : cardiac output change measured with ClearSight,  $\Delta\text{CO}_{\text{TD}}$ : cardiac output change measured with PAC thermodilution.

