Figure 2

Inclusion of eligible patient and admission to OR
Randomization to Vigileo or Control group
Obtaining baseline physiologic variables

Insertion of arterial catheter before induction of anesthesia,
Setting the Vigileo/FloTrac machine
Baseline blood samples,
Induction, mandatory ventilation (Vt 8ml/kg, PEEP 0.6 kPa)

Measure and record SVV, CI

SVV ≥ 10%
and CVP < 15 mmHg

No

No

Repeate monitoring of SVV, CI during next 5 minutes

Yes

Yes

Colloid bolus 3ml/kg over 5 minutes

CVP rise ≤ 3 mmHg

SVV ≥ 10% or
Increase of CI > 10%

Dobutamine infusion to reach CI ≥ 2.5 l/min/m²

Yes

No

Yes

SVV < 10% and
no change or decrease of CI

CI < 2.5 l/min/m²