

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 \geq 10%
and CVP < 15 mmHg

Yes

Colloid bolus 3ml/kg over
5 minutes

SVV < 10% and
no change or decrease of CI

Repeat monitoring of SVV, CI during next 5
minutes

No

CVP rise \leq 3 mmHg

SVV \geq 10% or
Increase of CI > 10%

Dobutamine infusion to
reach CI \geq 2,5 l/min/m²

Yes

CI < 2,5 l/min/m²

No