Measure SV

200 ml of Voluven ® as fluid challenge

SV ↑ >10%

SV ↓ >10%

Monitor SV

every 15 minutes

Yes

No

No

Yes

**Figure A**. Goal-directed fluid therapy algorithm1. A maximum administration of 33 ml/Kg of hydroxyethyl starch (VoluvenTM®; Fresenius Kabi Ltd, Cheshire, UK) was allowed. Further fluids challenges were performed with 500 ml of Lactated Ringer’s. ↑= increase; ↓= decrease; SV= Stroke Volume.

↑

**References**

1. Challand C, Struthers R, Sneyd JR, Erasmus PD, Mellor N, Hosie KB, Minto G: Randomized controlled trial of intraoperative goal-directed fluid therapy in aerobically fit and unfit patients having major colorectal surgery. Br J Anaesth 2012; 108: 53-62