

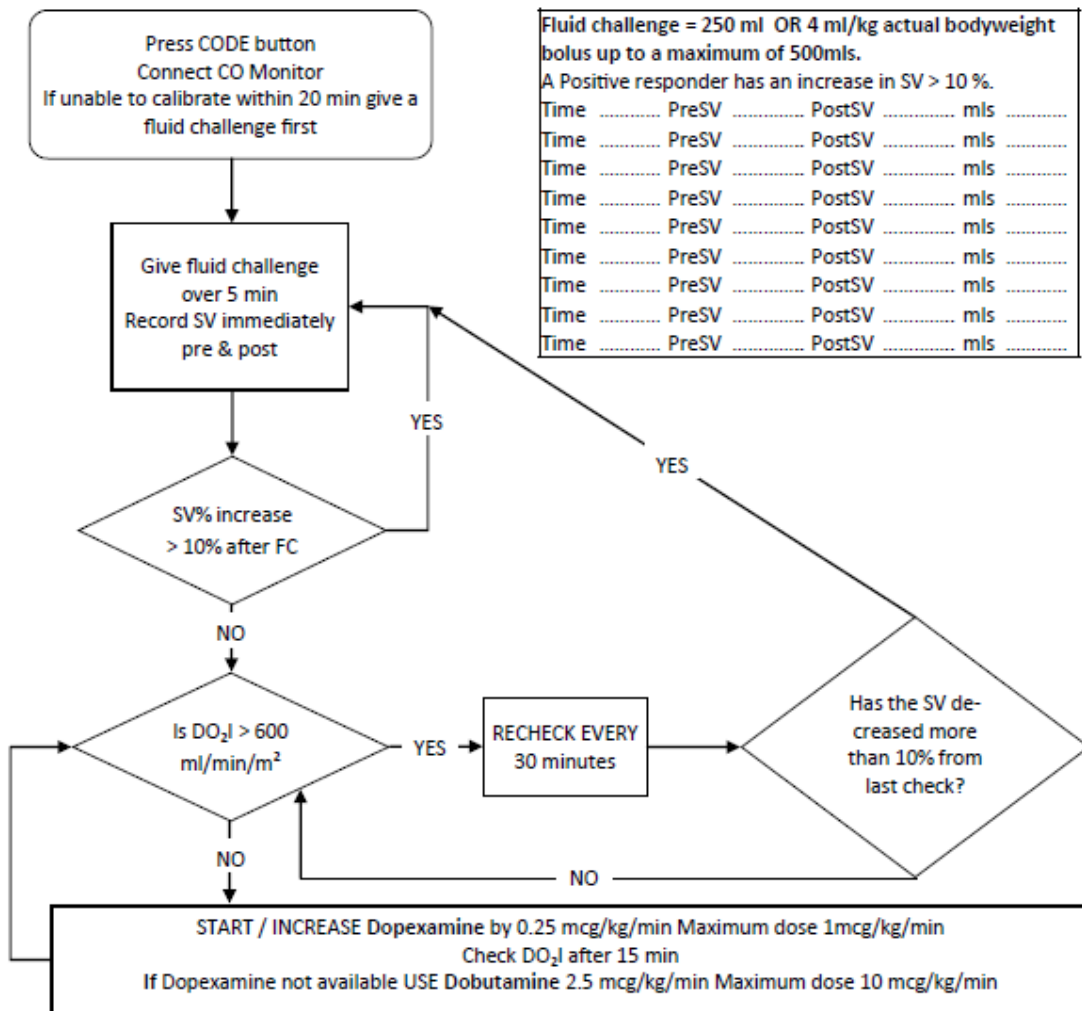
**Goal Directed therapy flow diagram for post – operative high risk surgical patients (Sept 2014)**

Name..... Hosp. No..... Date.....

Age..... Height..... cm. Weight..... kg. Operation.....

GDT Start time..... Finish time..... Discharge date..... GDT Nurse.....

**MAINTAIN SaO<sub>2</sub> > 94%, Hb 80-100 g/L, Temp 37<sup>0</sup>C, MAP 60-100mmHg, using GTN or Noradrenaline**



Time	If DO <sub>2</sub> I < 600 ml/min/m <sup>2</sup> SEE BOX A BEFORE STARTING DOPEXAMINE / DOBUTAMINE			DO <sub>2</sub> I ml/min/m <sup>2</sup>	If DO <sub>2</sub> I > 600 ml/min/m <sup>2</sup> SEE BOX B		
	A	SaO <sub>2</sub> %	Hb g/L		B	ScvO <sub>2</sub> %	Lactate mmol/L
Base-line							
1 hour							
2 hours							
3 hours							
4 hours							
5 hours							
6 hours							
7 hours							
8 hours							

**DOPEXAMINE / DOBUTAMINE check BOX C**

Baseline HR (after fluid optimisation).....

Start Time.....

Maximum dose.....mcg / kg / min

**DECREASE / STOP if**

1. HR > 120 bpm
2. myocardial ischaemia develops

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**TOTAL VOLUMES OF:**

Hartmanns.....mls

Blood.....mls

Platelets.....mls

FFP.....mls

Maximum Noradrenaline dose.....mcg / kg / min

Maximum GTN dose.....mg / hr

Time 0 Hb.....g / L

8 hours Hb.....g / L

<b>BOX A</b>	<b>Checklist A Guide</b>
<b>CHECKLIST A</b> SaO <sub>2</sub> > 94% Hb 80-100 g/L	In patients with DO <sub>2</sub> I < 600 ml/min/m <sup>2</sup> after fluid optimisation, CHECKLIST A criteria (SaO <sub>2</sub> >94% and/or Hb 80-100 g/L) must be fulfilled before starting Dopexamine or Dobutamine If you can't achieve these values CALL A DOCTOR
<b>BOX B</b>	<b>Checklist B Guide</b>
<b>CHECKLIST B</b> ScvO <sub>2</sub> > 65% Lactate < 2 mmol/L	If a patient reaches a DO <sub>2</sub> I > 600 ml/min/m <sup>2</sup> see CHECKLIST B Patients with central line: if DO <sub>2</sub> I > 600 ml/min/m <sup>2</sup> take venous sample and CHECKLIST B criteria (ScvO <sub>2</sub> > 65% and/or Lactate < 2 mmols/L) are not fulfilled CALL A DOCTOR Patients with no central line: if DO <sub>2</sub> I > 600 ml/min/m <sup>2</sup> and CHECKLIST B criteria (lactate < 2mmols/L) are not fulfilled CALL A DOCTOR
<b>BOX C</b>	<b>DOPEXAMINE / DOBUTAMINE EXCLUSION CRITERIA</b>
	Unstable or severe angina (CCS class III or IV, see BOX D) Recent MI (less than a month) Significant arrhythmias: atrial fibrillation if with uncontrolled ventricular rate greater than 90 bpm at rest, new ventricular tachycardia <b>PATIENTS WITH SEVERE VALVULAR DISEASE - DISCUSS WITH CONSULTANT</b> Severe aortic stenosis (mean pressure gradient greater than 40 mmHg, aortic valve area less than 1.0 cm <sup>2</sup> , or symptomatic) Symptomatic mitral stenosis (progressive dyspnea on exertion, exertional presyncope, or HF)
<b>BOX D</b>	<b>Patient Symptoms</b>
CCS Grading of Angina	
Class I DOPEXAMINE / DOBUTAMINE NOT CONTRAINDICATED	Ordinary physical activity does not cause angina, such as walking, climbing stairs. Angina [occurs] with strenuous, rapid, or prolonged exertion at work or recreation.
Class II DOPEXAMINE / DOBUTAMINE NOT CONTRAINDICATED	Slight limitation with ordinary activity. Angina occurs on walking or climbing stairs rapidly, walking uphill, walking or stair climbing after meals, or in cold, or in wind, or under emotional stress, or only during the few hours after awakening. Walking more than two blocks on level ground and climbing more than one flight of ordinary stairs at a normal pace and in normal condition.
Class III DOPEXAMINE / DOBUTAMINE CONTRAINDICATED	Marked limitations of ordinary physical activity. Angina occurs on walking one to two blocks on level ground and climbing one flight of stairs in normal conditions and at a normal pace.
Class IV DOPEXAMINE / DOBUTAMINE CONTRAINDICATED	Inability to carry on any physical activity without discomfort – angina symptoms may be present at rest.
<b>Please place this form in the collection box in GICU</b>	

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