SAQ

IV fluid composition and therapy

1. Name composition of normal saline and Ringer’s lactate (2)
2. What are the targets to titrate fluid therapy (4)
3. What are the complications of fluid therapy (4)

ANS –

1.

Normal Saline – Sodium 154 mmol,CL 154, K+ 0, Ca++ 0

Hartmann’s – Sodium 131mmol, Chloride 111mmol, K+ 5mmol, Ca++ 2 mmol, Lactate 29mmol

2. Any 4 from the following -

Physiological – SBP 90, MAP > 65mmHg, HR <100

Perfusion – UOP > 0.5ml/kg/hour, Lactate <2mmol, resolving base deficit, Cap refill < 4s

Invasive measurement – CI >2.5 L/min/m2, PAOP > 15 mmHg.

3. Any 4 from the following -

Hypothermia after large volumes of fluid therapy

Coagulopathy due to dilution

Tissue oedema – limb and abdominal compartment syndrome

Pulmonary oedema

Hyperchloraemic acidosis with NS

Anaphylaxis to synthetic colloids /blood transfusion