ACTACC Trainee Newsletter - September 2017

Introduction:
Welcome to the first ACTACC Trainee newsletter. As part of my role as ACTACC trainee representative, I thought it would be helpful to create a newsletter to keep all trainees up to date and point out some of the valuable resources ACTACC has available to its members, a significant amount of this content has been created by my predecessor Jonathan Brand. Please feel free to distribute this newsletter between colleagues. If you have suggestions for future editions, or would like to contribute in the future please contact me through the ACTACC website.

Matt Bell (Trainee Rep)

Upcoming Conferences:
• ACTACC Educational Meeting, London, 16-17th November 2017
• ACTACC Scientific Meeting, Bristol, 14-15th June 2018

Courses:
• Theory and Practice of Cardiopulmonary Bypass, Papworth Hospital, 5-6th October 2017
• 6th Perioperative & Critical Care Echo, Kings College Hospital, 20-21st October 2017

Recent Articles:
BJA:
• Catheter-related right internal jugular vein thrombosis after chest surgery
• Association between delirium and cognitive change after cardiac surgery
• Prolonged concurrent hypotension and low bispectral index (‘double low’) are associated with mortality, serious complications, and prolonged hospitalization after cardiac surgery
• Bank blood shortage, transfusion containment and viscoelastic point-of-care coagulation testing in cardiac surgery

BJA Education:
• Critical care management of pulmonary hypertension
• Hypoxic pulmonary vasoconstriction
• Heart failure—pathophysiology and inpatient management
• Anaesthesia for cardioversion
• Mitral valve and mitral valve disease

Anaesthesia:
• Long-term outcomes and cost effectiveness of high-dose dexamethasone for cardiac surgery: a randomised trial
• Thromboelastography (TEG) or rotational thromboelastometry (ROTEM) to monitor haemostatic treatment in bleeding patients: a systematic review with meta-analysis and trial sequential analysis
• Long-term outcomes and cost effectiveness of high-dose dexamethasone for cardiac surgery: a randomised trial

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JICS:
• **In-patient physiotherapy for adults on veno-venous extracorporeal membrane oxygenation - United Kingdom ECMO Physiotherapy Network: A consensus agreement for best practice**
• **On the right side of the heart: Medical and mechanical support of the failing right ventricle**

Recent Topics in the FRCA SAQ:
March 2017: Q4
a) What are the theoretical advantages of “off pump” coronary artery bypass grafting (OPCAB) compared to an “on bypass” technique? (7 marks)
b) What are the potential causes of haemodynamic instability during OPCAB? (5 marks)
c) Which strategies help to minimise this haemodynamic instability? (8 marks)

September 2016: Q8
You are asked to review a 65-year-old woman on the cardiac intensive care unit who has undergone coronary artery bypass surgery earlier in the day.
   a) What clinical features might suggest the development of cardiac tamponade? (9 marks)
   b) Describe specific investigations with their findings that could confirm the diagnosis of cardiac tamponade. (2 marks)
   c) Outline the management of acute cardiac tamponade in this patient. (9 marks)

March 2016: Q8
A 70-year-old woman with aortic stenosis presents for an open aortic valve replacement (AVR).
1. a) What is the pathophysiology of worsening aortic stenosis? (8 marks)
2. b) Which specific cardiac investigations may be used in assessing the severity of this woman’s disease? (3 marks)
3. c) Give values for the peak aortic flow velocity, mean pressure gradient and valve area that would indicate that this woman has severe aortic stenosis. (3 marks)
4. d) What would be your haemodynamic goals for the perioperative management of this patient? (6 marks)
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Job Profiles:
Glenfield Fellowship, Leicester
James Cook University Hospital, Middlesbrough

Fellowship of the month:
Have you recently completed a fellowship? We’d love to have a report from you.
Golden Jubilee National Hospital, Glasgow
Wythenshawe, Manchester
Southampton General Hospital, Southampton

Consultant Career Profiles:
Dr Jonathan Kendall, Liverpool Heart and Chest
Dr Andrew Lumb, St James’s University Hospital Leeds

Job Vacancies:
Do you have a consultant post or fellow post you’d like to advertise?

Would you like to contribute?
Do you have an article you’d like to contribute to the ACTACC newsletter or website? Have you got a fellowship review, a recent course review and exam tips? Please contact me through the ACTACC website.

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