



University of
BRISTOL

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Issue 15

MSc in Perfusion Science Newsletter

Training the Clinical Perfusionists of the Future

In This Issue...

Year 1 students: Week 3 13th-20th January 2020

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We welcomed back our third cohort of Year 1 students to Bristol on 13th January 2020 for unit PER04. During this week the students were taught by several perfusionists from around the country.

Year 1 students return for lectures and tutorials on CPB in adults.

Circuit design discussions exploring different components and designing ideal circuits.

CPB tutorials... Students worked together to discuss various aspects of CPB practice.

Adult CPB principles and practice (PER04)

This unit is led by Jody Stafford and Sarah George. The teaching was delivered predominantly by perfusionists from different cardiac centres across the UK. These sessions included circuit components and design, blood conservation, perfusion parameters, effects of bypass on the organs, myocardial protection and cardioplegia, aortic dissections and risk management. Lectures were also given on pharmacology and anaesthesia by Martin Lewis, an anaesthetist at the University of Bristol. Many thanks to the following external lecturers who taught the students this week:

Indie Bilkhoo
Jim Bowie
Salman Butt
Mark Edwards
Eanan Harkin
Basil Henrick
Noel Kelleher
Ben Littlejohn
Jo Metcalf
Jenny Ramsdale
Jody Stafford
Elizabeth Stevens



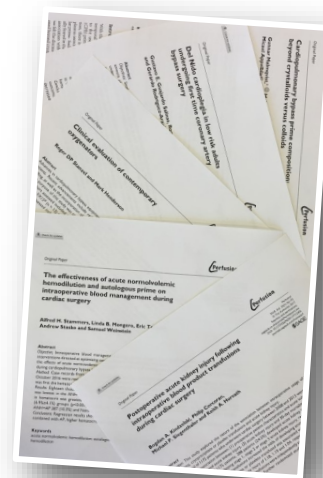


Circuit design

Students had the opportunity to look at and discuss various circuit components with the lecturers. The pros and cons of different components were discussed and then the students designed and presented their ideal 'fantasy' circuit. This interactive and practical tutorial stimulated a lot of interesting discussion between students and staff. Students will give individual presentations of the circuits used in their own centres during the next workshop, as part of their assessment for PER04. Guidance for this was given by Jody Stafford.

Unit PER08 Part 1

As part of Unit 8 students are required to write a review article on 'Neurological injury associated with CPB'. Students can choose an aspect of this which particularly interests them. Students were given guidance on this task, as well as how to prepare a graphical abstract, which is to be included in their review. They will have an opportunity to submit drafts of this work for feedback before the deadline.



Journal Club

Students were given research articles relating to CPB practice which they discussed in their groups during the week. Each group presented and critiqued their allocated paper. Experience was gained in team work and critical analysis of research.

TASKS:

- ★ Complete online feedback survey
- ★ Complete personal tutor contact point form
- ★ Review notes from lectures
- ★ Re-listen to recorded lectures if necessary
- ★ Complete MCQs for PER04 by 17.2.20
- ★ Submit the short answer and essay for PER04 by 2.3.20
- ★ Submit PER08 part 1 by 18.5.20
- ★ Prepare draft of graphical abstract of PER08 essay
- ★ Prepare circuit design presentation by 20.4.20
- ★ Choose a suitable paper for PER02 Journal Club

Study Leave

A number of distance learning weeks (study leave) are included in the timetable which are required for reviewing of the lecture material and completion of coursework. This dedicated study leave time enables students to spend time on coursework which is essential to pass the unit.

Dates for the next distance weeks are:

10th-14th February 2020: **Unit 4 coursework**

2nd-6th March 2020: **Unit 8 part 1 literature review**

- ★ Students need to focus only on ★
- ★ coursework during these weeks ★