

MSc in Perfusion Science Newsletter

Training the Clinical Perfusionists of the Future

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Year 1 students: Week 1 23-27 September 2019

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The third intake of students of the MSc in Perfusion Science started at the University of Bristol on 23rd September 2019. It was great to welcome our new students to Bristol for their first week of teaching.

Introductory sessions

The week started with a Welcome session to familiarise the students to the programme and the aims for the coming week. This was also an opportunity for us to get to know each other. We have students from all around the country — training in hospitals from Glasgow to London, and some who are based in the same Units. It wasn't long before everyone was chatting enthusiastically to each other.

There were several guidance tutorials throughout the week in which the students worked together on tasks to help them with their academic work including essay writing skills, referencing and critically analysing research papers.

Welcome new Y1 students

for lectures and practicals relating to anatomy and physiology of organs affected by CPB.

Organ dissection lab sessions help our new cohort get to grips with basic anatomy.

Invaluable practical experience with the perfusion simulation team in a hands-on, safe and stimulating setting.



Great to meet everyone & form strong connection w/ coursemates
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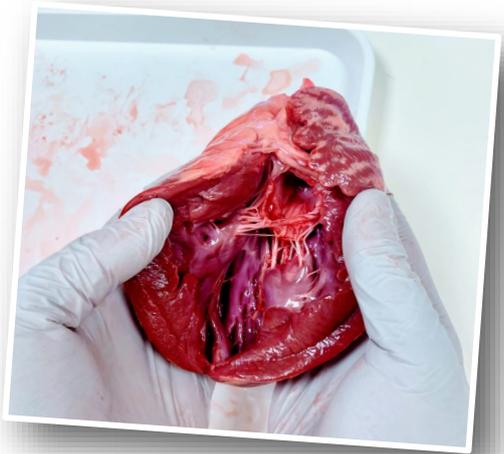


— VERY INTERESTING
— GOOD THEORY.
— FUN
— LECTURERS KNOWY OF TOPICS
PASSION
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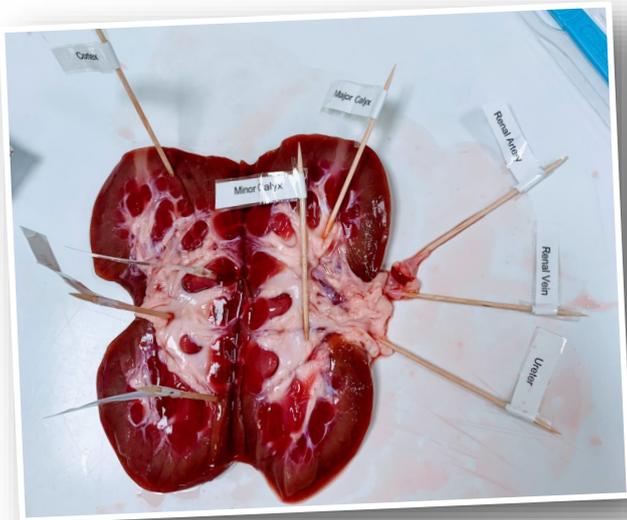
Anatomy and physiology of organs affected by CPB (PER01)

Teaching this week focused on the anatomy and physiology of organs affected by CPB. Lectures on the heart, blood, kidney, liver, lung, gut and brain were provided by experts in these areas. These lectures provide the students with the foundation knowledge that is essential for future units on the programme.



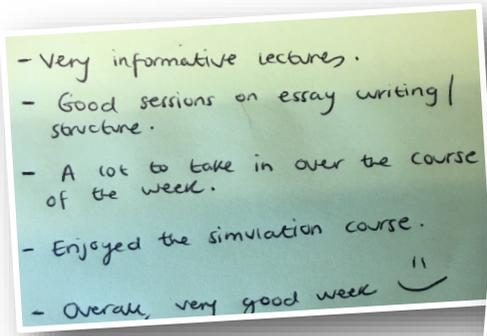
Practical class

During this session the students gained hands on experience of the functional anatomy of the heart, kidney, brain and lungs through guided dissections. They also examined histological slides of these tissues by microscopy. Students used their own blood to determine their blood group type and prepared and stained a blood smear to examine blood cell types by microscopy.



Simulation sessions

Students had an intensive day of perfusion simulation with Dan Bone, Dave Machin and Will Lansdowne. The students worked in small groups and gained hand-on experience with the simulation equipment - including the beating heart mannequin and bypass machine. Simulation is an integral practical component of the programme during which the students are encouraged to discuss the components of CPB and participate in training scenarios. The students really enjoy and appreciate this learning experience.



TASKS

before returning to Bristol on 11th November...

- ★ Complete online feedback survey
- ★ Complete personal tutor contact form
- ★ Review notes from lectures
- ★ Listen to additional blood lecture
- ★ Complete all PER01 MCQs
- ★ PER01 coursework:
Short & long essays plus presentation

