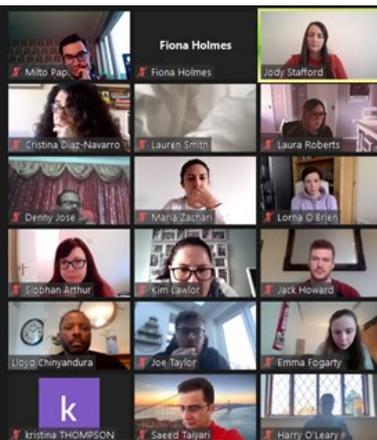


Intraoperative Aortic Dissection

11K views · 3 years ago

American Society of Extracorporeal Technology

Simulation Video: Intraoperative Aortic Dissection.



MSc in Perfusion Science Newsletter

Training the Clinical Perfusionists of the Future

In This Issue...

Year 1 students: Week 3 10th-14th January 2022

By Fiona Holmes and Jody Stafford

We welcomed back our 2021 cohort of MSc and PGCert students for Unit PER04 teaching. Teaching was delivered on-line due to the current Covid situation. During this week the students were predominantly taught by experienced perfusionists from around the country.

Adult CPB principles and practice (PER04)

The teaching this week was co-ordinated by the Unit Lead, Jody Stafford, Senior Perfusionist at University Hospital Wales in Cardiff. These sessions included circuit components and design, blood conservation, perfusion parameters, effects of bypass on the organs, myocardial protection, safety and risk management. Many thanks to the following lecturers who taught the students this week alongside Jody Stafford: Indie Bilkhoo, Jim Bowie, Salman Butt, Cristina Diaz Nevarro, Mark Edwards, Florian Falter, Eanan Harkin, Noel Kelleher, Milena Kuziemka Brits, Ben Littlejohns, Gavin Majithia-Beet, Luc Puis, Jenny Ramsdale, and Elizabeth Stevens. Their contribution to the programme is invaluable.



Safety Committee Tutorial

Noel Kelleher SCPS Chairman and recent Chair of Safety Committee introduced the students to the SCPS safety committee and discussed reported incidents with a Q&A session.



Blood Lectures

Florian Falter, Consultant Anaesthetist at Papworth Hospital, with special interest in extracorporeal circulation and coagulation gave the students a series of lectures on the blood specific to perfusion practice.

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

Tutorials including discussions exploring optimisation of perfusion parameters and perfusion safety.

Journal Club Students worked together to discuss and present aspect of the 2019 EACTS/ EACTA/EBCP guidelines on cardiopulmonary bypass in adult cardiac surgery.

Clinical Debriefing Tutorial

Jody was joined by Cristina Diaz Nevarro, Consultant Anaesthetist, Simulation Education Lead for the Welsh School of Anaesthesia and the Royal College of Anaesthetists, and lead author of the TALK approach to clinical debriefing. This debriefing and virtual simulation tutorial allowed a focussed discussion on human factors and perfusion practice.



Educational Resources were recommended and discussed with the students for further learning.



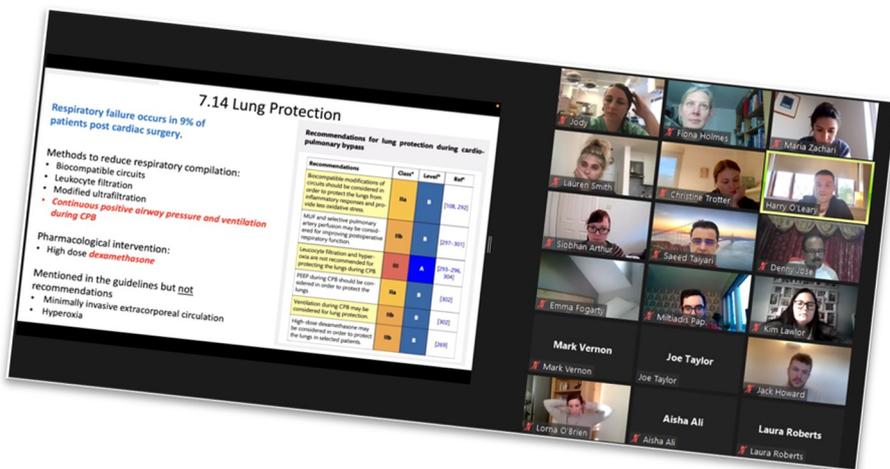
Circuit design

Students learned about the main components of the perfusion circuit including pumps, filters, oxygenators and safety devices. Students will give individual presentations of the circuits used in their own centres during the next workshop, as part of their assessment for PER04.



EACTS/EACTA/EBCP Guidelines & Journal Club

Students reviewed and presented aspects of the 2019 EACTS/EACTA/EBCP guidelines, relating them to protocols and practice in their own hospitals. We were fortunate to be joined by Luc Puis, lead author of the Guidelines for a Q & A session with the students.



- TASKS:**
- ★ Complete online feedback survey
 - ★ Meet with Personal Tutor
 - ★ Review notes from lectures
 - ★ Listen to recorded lectures
 - ★ Complete MCQs for PER04
 - ★ Submit the short answer and essay for PER04
 - ★ Prepare circuit design presentation
 - ★ Submit PER08 part 1 (MSc students)

Study Leave

A number of distance learning weeks (study leave) are included in the timetable and are required for reviewing of the lecture material and enables completion of coursework.

Dates for the next distance learning weeks are:
7th-11th February: **Unit 4** coursework

28th Feb – 4th March: **Unit 8 Part 1** Project Plan

We anticipate that the next teaching week (PER02: Clinical Trials & Statistics) scheduled for 4-8th April will be back on campus in Bristol.