

MSc & PGCert in Perfusion Science Newsletter



Training the Clinical Perfusionists of the Future

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Year 1 students: PER01 15-23 September 2022

Year 2 students: PER05 3-7 October 2022

by Fiona Holmes

Our sixth cohort of the MSc and second intake of the PGCert in Perfusion Science started on 15th September. It was great to welcome our new students to Bristol for their first intensive block of teaching. The students benefitted from getting to know each other in person and discussing work both during the teaching sessions and at various socials! The extra couple of days in Bristol for the new students was appreciated, allowing the week to be less intense and allowing more time for team bonding.



Clinical Perfusion Lecturer We are delighted to welcome Josh Oliver, Senior Clinical Perfusion Scientist at Oxford UH, as a Bristol University lecturer on the programme. He will play an important role, alongside our perfusionist Unit Leads and guest lecturers, in ensuring the course delivers the best theoretical and clinical skills training for the perfusionists of the future.

Anatomy and physiology of organs affected by CPB (PER01) Lectures, tutorials and practicals on the heart, blood, kidney, liver, lung, gut and brain were provided by experts in these areas. These provide the students with the foundation knowledge that is essential for subsequent learning on the programme. This unit

also includes guidance tutorials to develop the students' academic skills.

Welcome new Y1 students

to PER01: Anatomy and Physiology of Organs Affected by CPB.

Welcome back Y2 students

for PER05: Heart and Valve Disease.

Welcome to our new Clinical Perfusion Lecturer Josh Oliver

EBCP accreditation visit to Bristol University and Nottingham University Hospital

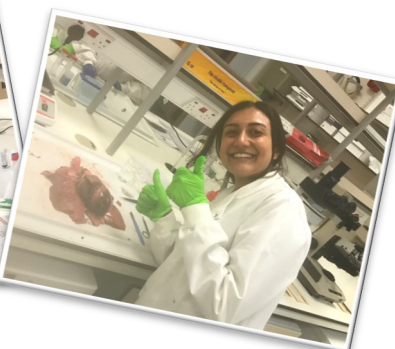
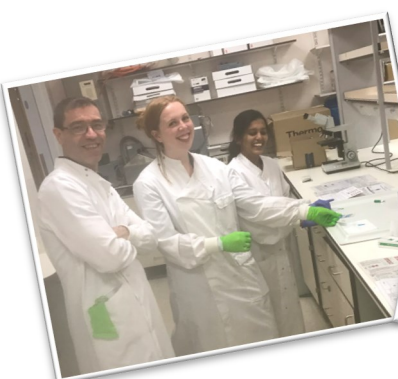
Academic skills sessions help our new cohort get to grips with the skills they will need to succeed in the MSc and PGCert.

Practical sessions including simulation, heart dissections, blood histology and fluid dynamics consolidated the theory covered in PER01 and PER05

Mechanical Circulatory Support Workshop delivered by Chris Bowles and team

Congratulations! To our students on their exam results

Graduation Day For our 2018-2020 & 2019-21 cohorts

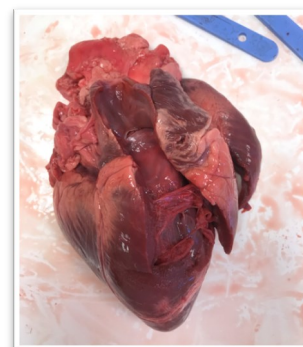


Hints and tips The Y1 students appreciated a hints and tips session given by 2021 graduate Foos Awil (Bristol UHT) and 2020 graduate Katrina Zielinski (Nottingham UHT) who gave some advice on how they balanced academic and clinical work and survived the course!



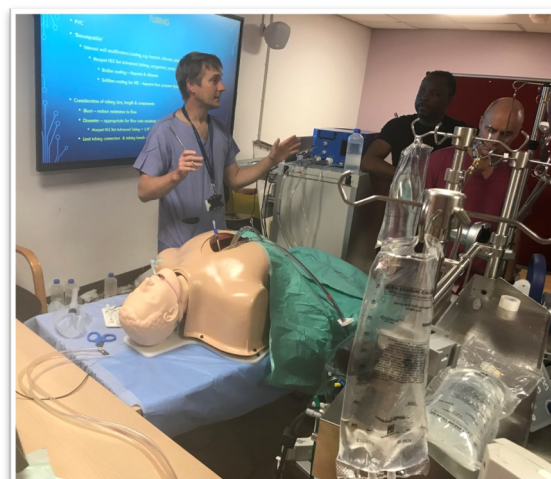
Heart and Valve Disease

Y2 lectures included cardioplegia and cardioprotection, heart disease pathophysiology and therapies, valve disease, surgery vs TAVI and MIVS delivered by Bristol research scientists, cardiologists and cardiac surgeons.



Simulations

Dave Machin, Dan Bone & Will Lansdowne provided perfusion simulation sessions for each cohort of students. This is an integral practical component of the programme.



Year 2 MCS Workshop

Chris Bowles organized an inspiring day covering aspects of mechanical circulatory support from fluid dynamics to LVAD design to meeting a patient, and included several hands-on practical sessions.

Y1 & Y2 TASKS

- ★ Complete online feedback survey
- ★ Meet with personal tutor
- ★ Review notes / videos from lectures
- ★ Complete MCQs
- ★ Unit short answer essay
- ★ Unit long essay
- ★ Unit presentation
- ★ Medtronic Virtual Flow Physiology Workshop (Mon 7th November) for Y2 students



Congratulations! to our students for getting through their exams and to our previous cohorts who attended a Covid-delayed Graduation Ceremony on one of the hottest days of the year!