



School of Pharmacy and Biomolecular Sciences

Masters Certificate of Professional Development in Medicines Use in Paediatrics and Neonates

COURSE DEVELOPMENT TEAM

PROGRAMME LEADER



DR ADAM MACKRIDGE PhD MPharm MRPharmS PGCert FHEA
Reader in Public Health Pharmacy & Programme Leader (Postgraduate Pharmacy)

"Adam has been Programme Leader for the postgraduate pharmacy programmes for two years. His teaching and research interests centre on professional and research ethics, research methods and public health issues, including substance and alcohol use. Adam is responsible for ensuring the effective running of the programme."

MODULE LEADER AND PROGRAMME TUTOR



MR OCTAVIO ARAGON CUEVAS LdoFarm (equivalent to MPharm), MRPharmS, PGDipClinPharm
Lead Rheumatology Paediatric Pharmacist and Medical Specialties Governance Pharmacist. Paediatric Teacher Practitioner at Liverpool John Moores University

"Octavio has been working at the Alder Hey Children's NHS Foundation Trust since 2003. He completed his PGDip in Clinical Pharmacy in 2006. Octavio is the current Lead Pharmacist for Paediatric Rheumatology and also oversees the pharmacy and medicines governance for the other Medical Specialties in the Trust. He joined the LJMU teaching team as Paediatric Teacher Practitioner in 2014."

"Octavio is responsible for the choice of topics included in the course and the design of some of them. Octavio is also one of the tutors that could be assigned to you when you sign up for the course."

PROGRAMME TUTOR AND CONTENT DEVELOPER



MR NEIL CALDWELL BSc (Hons), MSc (Clin Pharm), MRPharmS, IPresc, FFRPS
Consultant Pharmacist, Children's Services, Wirral University Teaching Hospital and Honorary Lecturer, Liverpool John Moores University

"Neil provides pharmaceutical care to children and neonates within a large district general hospital. He joined Wirral Hospitals and Liverpool John Moore University in 1993 as teacher practitioner in clinical pharmacokinetics. He was Deputy Chief Pharmacist, Clinical Services (2002 to 2009) and Consultant Pharmacist, Children's Services from 2008. Neil has published a range of research/review papers and five chapters in textbooks. He is committee member of Neonatal and Paediatric Pharmacist Group 2009-present which improves care of neonates and children by developing pharmacists and promoting quality pharmacy services within practice, research, audit, education, training, communication and advice. Neil was awarded a Faculty Fellow of Royal Pharmaceutical Society in 2014. His driving philosophy, learnt during study for the MSc in Clinical Pharmacy is: 'Drugs don't have doses, patient's do'."

IS THIS COURSE FOR ME?

Have you finished your Clinical Diploma and would like to further develop your career or interest in paediatrics? Did you decide not to do the Clinical Diploma because it wasn't tailored to your paediatric interest? Are you a Head of Pharmacy responsible for covering a clinical area with paediatrics and/or neonates and would like to support your junior pharmacists in developing their paediatric knowledge and skills?

This course is aimed at students who are health professionals (such as pharmacists, medical practitioners and nurses), who are registered with the relevant professional body in the UK or with a professional body recognised to be of similar standing to the UK regulator bodies. Students must be working in an environment that will provide sufficient access to paediatric or neonatal patients to provide opportunities to develop skills in applying knowledge to real-life cases and collect evidence for the professional practice portfolio. For a taster of the course structure, platform and contents, go to: bit.ly/2dgi06K

ABOUT THE UNIVERSITY

Liverpool John Moores University (LJMU) offers you an exceptional postgraduate experience, founded on high quality teaching, ground breaking research and extensive links with employers, entrepreneurs and business leaders. Above all, we want you to enjoy the journey. Discovery at the highest level of learning should be fascinating and absorbing and at LJMU you will be working alongside some of the best academics in their field.

ABOUT THE PROGRAMME

Programme Aims

To provide clinical knowledge and skills that are relevant to the needs of healthcare professionals working with medicines in paediatrics and neonatology and to facilitate the professional development of the student, including fostering development of an enquiring, open-minded attitude, tempered with scientific discipline for paediatrics and neonatology, which encourages lifelong learning.

Programme Structure

The programme is composed of two modules that each have a credit value of 10 credits (see table below). The modules are undertaken through distance learning, using the University's Blackboard online delivery system. In order to obtain an MCPD, students must pass both modules. The programme is studied part-time over 12 months.

You will be assigned a tutor at the beginning of your programme that will help to guide you with any queries presenting to you during the course and will give you formative feedback on assignments and e-portfolio entries

The modular structure of the Masters level CPD in Medicines Use in Paediatrics and Neonates is described opposite.

ABOUT THE CONTENTS

Topics Covered

The Programme covers some of the following topics:

- Developmental Pharmacokinetics and Pharmacodynamics and Application to Practice.

Practicalities of Medicines Use in Children and Neonates, including:

- > Prescribing Safety
- > Medicines Administration
- > Medicines Licensing
- > Formulation
- > Adverse drug Reactions
- > Estimation of Renal Function

Expert Professional Practice skills in paediatric practice in the following areas:

- > Common Paediatric Infections: Meningitis, Sepsis, CAP, etc.
- > Diabetes and Nocturnal Enuresis
- > Respiratory topics: Croup, CF, Bronchiolitis, Allergies and Anaphylaxis
- > Paediatric Post-operative Care: pain, nausea and vomiting, fluid management
- > Care of the Neonate
- > Enteral Nutrition and TPN
- > Cardiac Defects Use of Cardiac Drugs in Children
- > Introduction to Palliative Care

Portfolio

You will demonstrate your application to practice by developing an e-portfolio of evidence. Your portfolio should include:

- At least five patient profiles, with a different range of diagnoses. (A patient profile template is available on Blackboard)
- Testimonials – this can be used as evidence to demonstrate your competencies
- The competency checklist, completed to outline which entries map to which competency
- Tasks and activities described throughout the course
- Log of interventions
- Structured write-up of interventions
- Personal development plan

| Mode Code | Module Title | Credits | Assessment |
|------------|---|---------|--|
| 7101CPPHAR | Medicines Use in Children and Neonates: Clinical Basis | 10 | Online examination (multiple choice questions) |
| 7102CPPHAR | Medicines Use in Children and Neonates: Application to Practice | 10 | Professional practice portfolio |