



# Master of Clinical Pharmacy Information Session

For admission in September 2021

**April 21, 2021** 





#### **Ann KY Leung**

- MClinPharm Programme Coordinator
- BScPhm University of Toronto
- Pharm.D. University of Florida
- St. Michael's Hospital in Toronto, Ontario
  - Accredited Canadian pharmacy resident
  - Clinical pharmacist TNICU, CVICU, CICU, peri-operative services



#### Janet KT Wong

- Lecturer (HKU) / Senior Pharmacist (Health In Action, on secondment)
- Immunisation Training Programme for Pharmacists Programme Coordinator
- BPharm CUHK
- MSc in Cardiology CUHK
- Diploma in Advances in Medicine CUHK
- Areas of practice
  - Primary care pharmacy practice
  - Community-based Medication management services
  - Transdisciplinary approach to social determinants of health



## Clinical Pharmacy – a Definition

"Clinical pharmacy is a health science discipline in which pharmacists provide patient care that optimizes medication therapy and promotes health, wellness, and disease prevention.

The practice of clinical pharmacy embraces the philosophy of pharmaceutical care; it blends a caring orientation with **specialized therapeutic knowledge**, **experience**, and **judgment** for the purpose of ensuring **optimal patient outcomes**."

ACCP: The Definition of Clinical Pharmacy *Pharmacotherapy.* 2008;28(6):816–817



# MClinPharm Programme Learning Objectives

Evaluate and apply clinical knowledge

Appraise literature to guide evidence-based practice

Conduct original research

Problem-solving skills and judgement

Communication skills

Professional ethics and conduct

Commitment to continuing professional development

Leadership in health practice



# **MClinPharm Programme Entrance Requirements**

To be eligible for admission, the candidate should:

- Comply with the General Regulations; and
- Be a registered pharmacist holding a Bachelor's degree in Pharmacy from this University, or from another university, or comparable institution accepted for this purpose; and
- Be a registered Pharmacist in Hong Kong; and
- Satisfy the examiners in a qualifying examination, if required



# Two-Year Curriculum of MClinPharm (Subject to Approval)

Year 1		Year 2	
Semester 1	Semester 2	Semester 1	Semester 2
	arch Project & Question Forming	<b>7201 Research Project</b> Data Collection & Analysis	<b>7201 Research Project</b> Project Write Up
7410 – Integrated Pharmacy Practice I (6)		7420 – Integrated Pharmacy Practice II (6)	
7130 – Neurology, Psychiatry, Immunology & Rheumatology (6)  7140 – Gastroenterology, Hepatology & ID (6)	7160 – Cardiometabolic Diseases, Respiratory & Critical Care (9)	7150 Nephrology, Fluids & Electrolytes, Paediatrics & Pregnancy (6)	
7002 Evidence Based Practice (3)		<ul> <li>2 of 3 electives</li> <li>7110 – Geriatric &amp; Ambulatory Care (6)</li> <li>7120 – Oncology (6)</li> <li>7170 - Advanced Topics in Paediatrics (6)</li> </ul>	

#### Two-Year Curriculum of MClinPharm - Research

Year 1		Year 2	
Semester 1 Semester 2 Semester 1		Semester 2	
7201 Research Project Literature Review & Question Forming		<b>7201 Research Project</b> Data Collection & Analysis	<b>7201 Research Project</b> Project Write Up
7002 Evidence Based Practice (3)			



### **Research Project**

- Generate and disseminate new knowledge
- Each student will be allocated an academic supervisor at HKU
- Students are encouraged to identify their workplace supervisor
- Research project begins in Year 1 Semester 1
  - 1. Literature review & research question forming
  - 2. Submission of Literature Review
  - 3. Submission of Project Proposal
  - 4. Data collection & analysis
  - 5. Project write up
  - 6. Submission of Final Report

#### **HKU Master of Clinical Pharmacy Open Seminar**



# Cancer Treatment: Financial Toxicity, Access & Pharmacy Services

#### 10 OCTOBER 2020 (SAT) | 4:30 - 5:30 PM

ONLINE VIA ZOOM. To be conducted in Cantonese.

- Guest Speakers -

Mr Horton Tang Honorary Pharmacist We Care Bill Foundation Mr Danny Ma Associate Market Access Manager Merck Sharp & Dohme (Asia) Ltd Ms Eva Lam
Pharmacist
St. James' Settlement



Register Now ALL ARE WELCOME



#### **Primary Care**

# Hong Kong women's knowledge, attitude and usage of combined oral contraceptive pills and the role of pharmacist in improving patient care

LAM Yuen Man, Mandy

Bayer HealthCare Limited, 14/F, Oxford House, Taikoo Place, Quarry Bay

#### ABSTRAC

A total of 357 responses were collected from Hong Kong females aged 18-50 years to describe Hong Kong females' knowledge, attitude and usage of combined oral contraceptive pills (COCP) and to analyze the common misconceptions on COCP usage among Hong Kong females. The mean knowledge score obtained was 17.5±8.32 out of the total score of 39. The mean knowledge scores obtained by current users, past users and non-users of COCP were 19.2±6.3, 17.7±5.9 and 16.9±6.4 respectively. All participants demonstrated knowledge gaps in four knowledge domains. In particular, knowledge deficit is evident for mechanism of action and side effects/drug-interactions of COCP. The internet/ online forum and product information sheet were the preferred information source for drug enquires due to easy accessibility, while healthcare professionals such as pharmacists were the least preferred due to low accessibility. Misconceptions related to knowledge of COCP were identified among respondents of online survey. The low tendency in seeking drug information from healthcare professionals could have potentiated the gap. Further education and enhanced accessibility to pharmacist service in community is warranted to improve general drug literacy.

Keywords: Combined oral contraceptives, pharmacists, knowledge, attitude, usage, Hong Kong.

#### INTRODUCTION

Combined eal contraceptive pill (COCP) is one of the most effective non-invasive contraceptive methods with contraceptive effectiveness at around 91%. Although COCP are available over-the-counter in Hong Kong, prevalence of COCP usage was relatively low at 6.2%, comparing to over 20% in other developed regions, e.g. Northern Europe, Australia and New Zealand in 2019, <sup>9,84</sup> The findings from past local studies echoed the United Nations report. One large-scale local study by The Family Planning Association of Hong Kong (HKPPA) reported that among 1295 contraceptive eversages aged 18 to 45, majority (76.1%) used mais condomin past year, followed by softis interruptus (20.9%) and only 12.6% used COCP.<sup>90</sup>

The underutilization of COCP was widely recognized to local healthcare professionals. If Several studies found consistently low knowledge in COCP. If A local study found that majority of Hong Kong women had misconceptions over the side effect profits of COCP. Majority of the respondents failed to identify correctly the side effects of COCP, it was possible that the misconception about COCP hindered their usage.

Among women who acquired contraceptives, most obtained contraceptive pills from convenience store (52.1%) and dispensary (31.6%). Withile significant proportion of users obtained contraceptive pills at premises with phermacitis, most women sought information about contraception from health websites (46.5%) and online forums (40.1%). The tack of access to consultation service resulted in fear of side effects. Woverseas researchers had established study methodology to evaluate women's knowledge of COCP, and to provide insight into specific areas of contraceptive knowledge that have to be addressed. Within study aims to adapt similar methodology in assessing systematically the knowledge aga, attitude and usage of COCP among females in Hong Kong.

#### AIMS & OBJECTIVES

This study alms to describe Hong Kong females' knowledge, attitude and usage of COCP and to provide insights into enhancement of drug education. This study also aims to identify the association between the knowledge score and females' attitude towards and usage of COCP. Lastly, this study explores the contraceptive behaviors, preception of pharmacist's role in contraceptive counselling and education among Hong Kong females.

#### METHOD

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An observational cross-sectional survey study was conducted to investigate the knowledge, attitude and usage of COCP among Hong Kong temales aged 18-50 using convenience sampling. This study adapts the questionnaire developed for a similar autarial a study upon consent granted by the authors.<sup>16</sup> The adapted



# **Two-Year Curriculum of MClinPharm - Therapeutics**

Year 1		Year 2	
Semester 1	Semester 2 Semester 1 Semest		Semester 2
7201 Research Project Literature Review & Question Forming		<b>7201 Research Project</b> Data Collection & Analysis	<b>7201 Research Project</b> Project Write Up
7130 – Neurology, Psychiatry, Immunology & Rheumatology (6)	7160 – Cardiometabolic Diseases, Respiratory &	7150 Nephrology, Fluids & Electrolytes, Paediatrics &	
7140 – Gastroenterology, Hepatology & ID (6)	Critical Care (9)	Pregnancy (6)	
7002 Evidence Based Practice (3)		<ul> <li>2 of 3 e</li> <li>7110 – Geriatric &amp; Ambula</li> <li>7120 – Oncology</li> <li>7170 - Advanced Topics in</li> </ul>	·



# Two-Year Curriculum of MClinPharm (Subject to Approval)

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7002 Evidence Based Practice (3)		<ul> <li>2 of 3 electives</li> <li>7110 – Geriatric &amp; Ambulatory Care (6)</li> <li>7120 – Oncology (6)</li> <li>7170 - Advanced Topics in Paediatrics (6)</li> </ul>	

#### **2020 Admission and Before**

Year 1		Year 2	
Semester 1	Semester 2	Semester 1	Semester 2
7201 Research Project Literature Review & Question Forming		<b>7201 Research Project</b> Data Collection & Analysis	<b>7201 Research Project</b> Project Write Up
7003 Safe Medication Practice	7001 Leadership in Health Care System		
7009 Neurology	7004 Cardiovascular, Diabetes & Nephrology	7008 Connective Tissue Disorders	7012 Paediatric & Pregnancy
7007 Psychiatry	7005 Respiratory & Infectious Diseases	7010 Oncology	1 of 3 electives (Professional Practice)
7006 Gastroenterology & Hepatology		7011 Care of the Elderly	<ul> <li>7101 – Oncology</li> <li>7102 – Paediatrics</li> <li>7103 – Elderly</li> </ul>
7002 Evidence Based Practice		7013 Clinical Pharmacy – Primary Care	



# **Study Schedule**

- Semester 1
  - September to December
- Semester 2
  - January to May
- Every Monday, Thursday, and occasionally Saturday



#### Clinical Research (Core) – 3 credits

Course Code	Course Name	Credits
MCPH7002	Evidence-based Practice	3

#### Therapeutics (Core) – 27 credits

Course Code	Course Name	Credits
MCPH7130	Neurology, Psychiatry, Immunology & Rheumatology	6
MCPH7140	Gastroenterology, Hepatology & Infectious Diseases	6
MCPH7150	Nephrology, Fluids & Electrolytes, Paediatrics & Pregnancy	6
MCPH7160	Cardiometabolic Diseases, Respiratory & Critical Care	9

#### Clinical Practice (Core) – 12 credits

Course Code	Course Name	Credits
MCPH7410	Integrated Pharmacy Practice I	6
MCPH7420	Integrated Pharmacy Practice II	6

#### Research (Core) – 15 credits

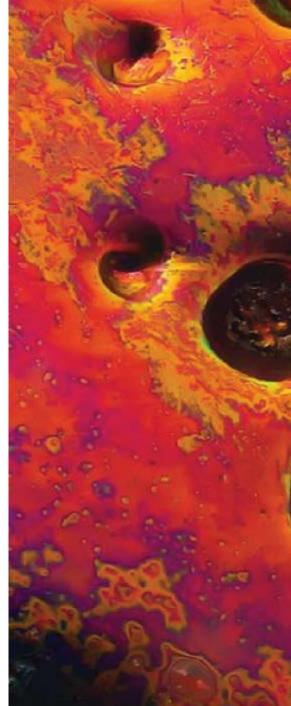
Course Code	Course Name	Credits
MCPH7201	Research Project	15

# Therapeutic (Elective) - 12 credits Choose 2 of 3

Course Code	Course Name	Credits
MCPH7110	Geriatrics & Ambulatory Care	6
MCPH7120	Oncology	6
MCPH7170	Advanced Topics in Paediatrics	6

Students are required to successfully complete ALL courses, earning total of 69 credits

# **Teaching & Learning**





## Teaching and Assessment – Our Philosophy

- Enhance your ability to APPLY therapeutic knowledge and skills → stronger and more confident performance in your daily practice
- Optimize balance of local and international perspectives
- Stimulate reflection on how the pharmacist's role can evolve to collaborate more closely with multidisciplinary team to fill gaps in healthcare
- Completion of projects on real-world problems offering an opportunity to practice soft skills, critical thinking skills, and build professional network
- Mentorship



# Lectures – didactic via Zoom, recordings posted for review



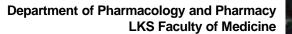
Attendance requirement – at least 70% of sessions



Focus on **paediatric**, and **ICU** setting



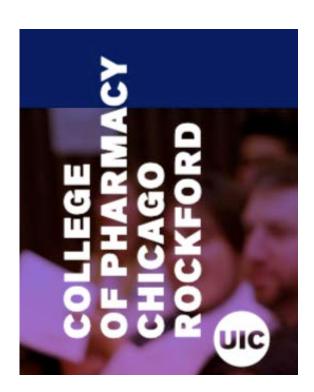
- Monitor for patient safety
- · Optimize for drug efficacy
- Boarder professional activities to smoothen ICU operation
- Other more specific roles to resolve paediatric challenges eg evidence based medicine, patient experience, team communication, cost contentment



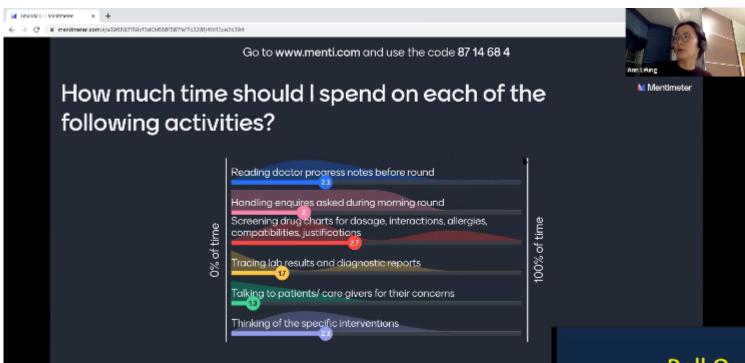


#### **Speakers**

- Multidisciplinary and multi-sector perspectives in local/regional practice
  - Pharmacist specialists
  - Medical specialists
  - Allied health occupational therapist, dietitian, social worker
- Overseas perspectives
  - College of Pharmacy, University of Illinois at Chicago
  - Great Ormond Street Hospital, London
  - Evelina London Children's Hospital
  - National Cancer Center, Singapore
  - Flinders Medical Center, Australia
  - Canada Sick Kids, Bruyere Research Institute







#### **Poll Question Time!**

- B/O Chen A was born 38 weeks with spinal bifida. On his first day of life, neurosurgeons decided for an urgent OT for repair of the spinal bifida. He was prescribed with Rocephin 25mg/kg IV stat on induction to OT. What is your comment on the prescription?
- A. Prescription perfectly ok
- B. Increase the dose of Rocephin to 50mg/kg
- C. Change Rocephin to Cefotaxime IV 50mg/kg
- D. Change Rocephin to Gentamicin IV 5mg/kg



# **Interactive Seminars and Workshops**



#### **Ward/Site Visits**

#### MANDATORY attendance

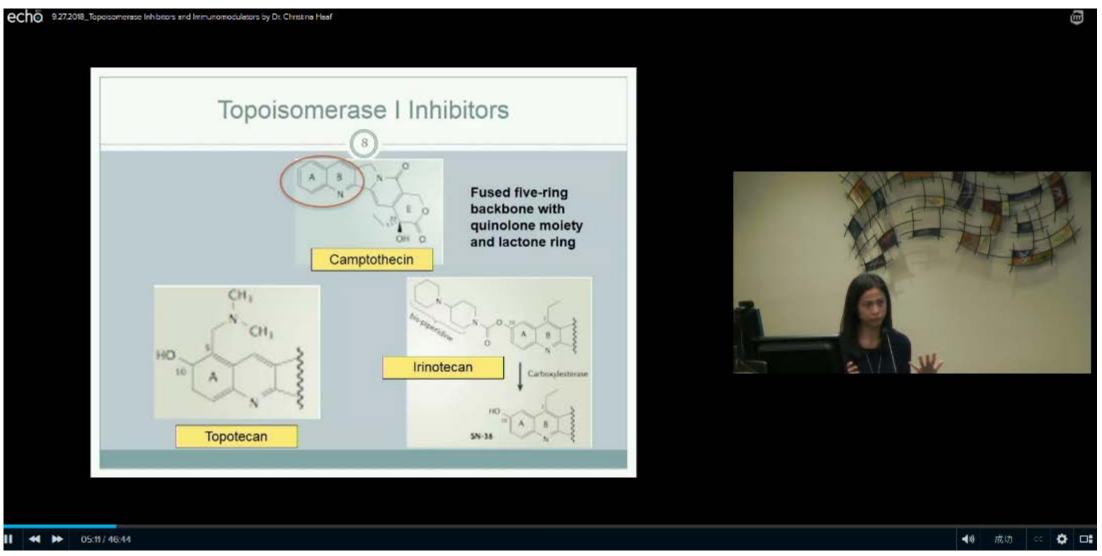




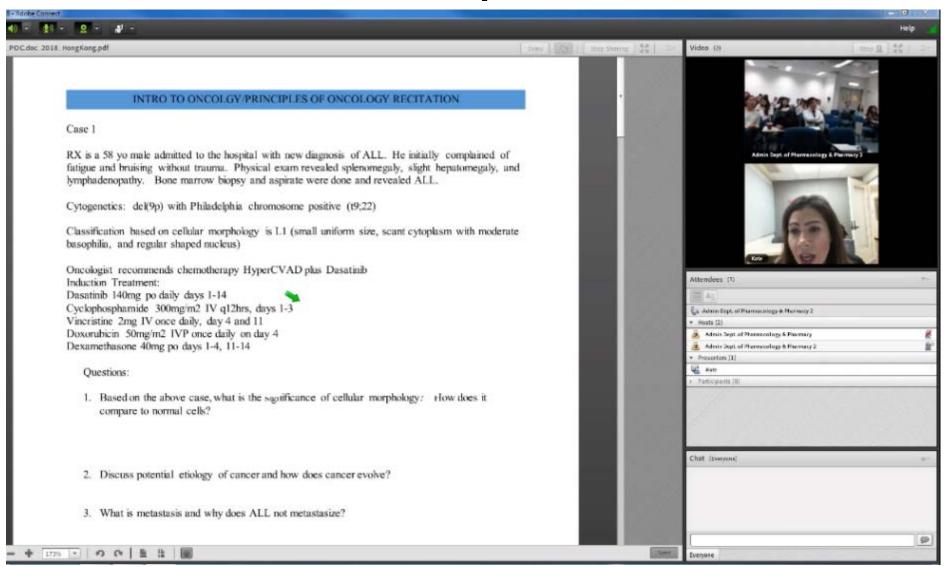


Pharmacy Medicine

#### **Pre-Lecture Video**



### **Live Webinars from Overseas Speakers**

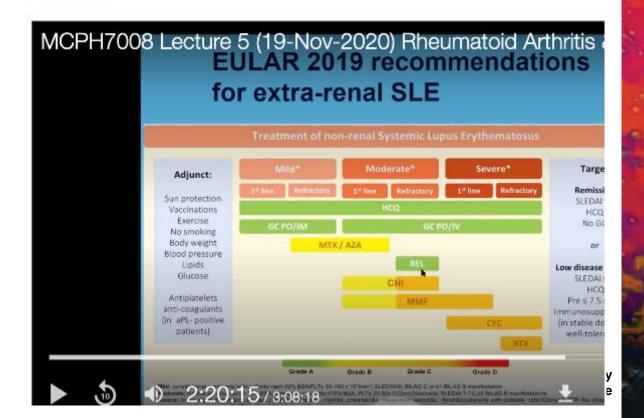


## **Video Recording of Lectures**

#### --- MCPH7008 ---



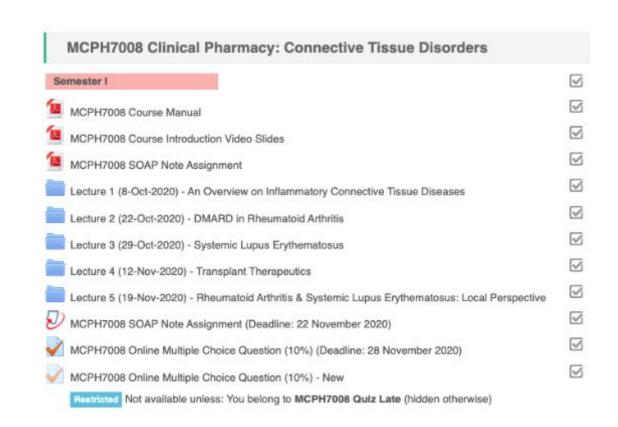
# MCPH7008 Lecture 5 (19-Nov-2020) Rheumatoid Arthritis & Systemic Lupus Erythematosus Local Perspective





#### **Online Platform - Moodle**

- Access teaching materials
- Handouts available for download prior to lecture
- Video lectures
- Assignment submission
- Assessment (e.g. MCQ)



#### **Assessment**

- Pass or Fail
- Assessment may be conducted in any one or any combination of the following format:
  - Research Project
  - Written Examinations
  - Objective Structured Clinical Pharmacy Examination (OSCPE)
  - Continuous Assessments, such as:
    - Pharmaceutical care plans, documentation notes, drug info questions, etc.
    - Online Multiple-Choice Assessment
    - Discussion and participation in class
    - Presentation, projects, etc



# Objective Structured Clinical Pharmacy Examination (OSCPE)

- Gold standard in performance-based teaching, learning and assessment
- Simulated and standardized station designed to test:
  - Applied knowledge
  - Clinical reasoning
  - Communication skills
  - Professional attitudes
- 3 types of stations
  - Patient counseling
  - Phone the doctor
  - Bedside interaction
- Open book to simulate real-life scenario



## **Objective Structured Clinical Pharmacy Examination (OSCPE)**

**Actor (Patient)** 

materials &

Reading

**Timer** 

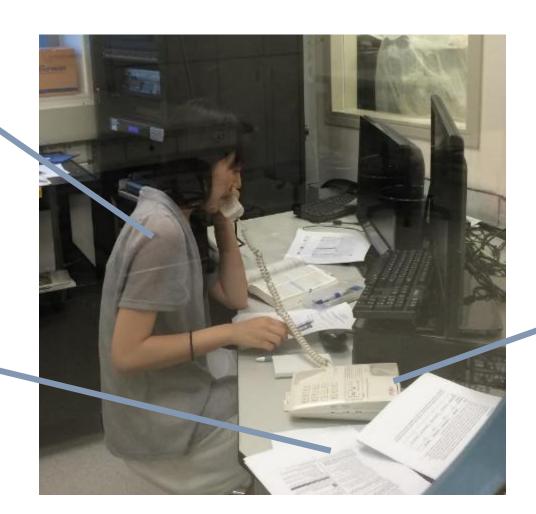
**Candidate** 

**Assessor** (Observer)

## **Objective Structured Clinical Pharmacy Examination (OSCPE)**

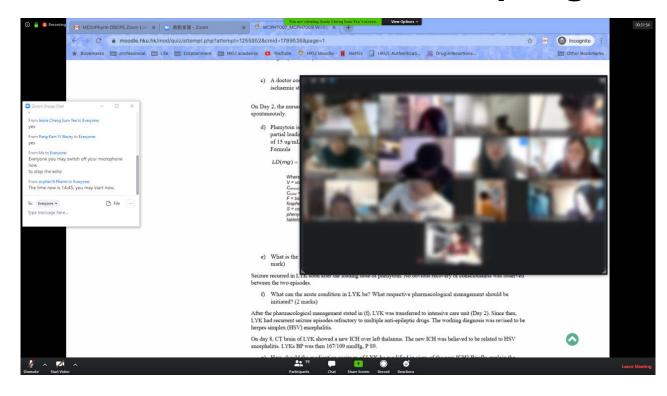
**Candidate** 

Reading materials & Timer



Assessor & Actor (Doctor)

# Online Examination – Adapting to COVID







#### **HKU MClinPharm**

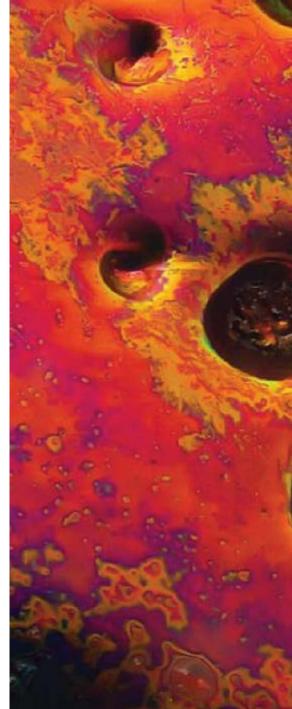
- Focus on application and improving your daily practice
- Optimal balance of local and international perspectives and multidisciplinary expert speaker team
- Blend of online didactic and in-person interactive sessions for a well-rounded, effective learning experience
- Strong team of research and teaching staff to guide your research project
- Professional networking and opportunities
- Responsive to student needs and feedback → constantly improving
- Strong support in your academic and professional development





Department of Pharmacology and Pharmacy LKS Faculty of Medicine

# **Application Procedure**



# **Online Application**

https://aal.hku.hk/tpg/programme/master-clinical-pharmacy

Deadline: 12:00nn (HKT), June 4, 2021

#### Master of Clinical Pharmacy [MClinPharm] (Part-time) User Account Creation

Please read the Programme In carefully, before you create the	Choose Programme ☑ Home☑  Information, Regulations and Syllabuses, and Instructions and Supporting Documents  e User Account.	
	create an application account for the above programme. If you have already ccount for this programme, please click <u>here</u> to login and retrieve your application.	
The name provided below mus	st be identical to your official identity document in your home country.	
Title:*	< Please Select> ▼	
Surname:*		
Given names:*		
Middle names:		
Email address:*		
Re-type email address:*		
need to provide the account inf	our application to faciliate your logging onto the system again in the future. You will formation every time you wish to access your application. Please note that your ld consist of letters and numeric characters only without any spaces, and your	
(6-20 characters)	(use a different username if you are applying for more than one programme)	
Password:* (8-20 characters)		
Re-type password:*		
IMPORTANT: Please complete and submit your application within 4 weeks from the date of the creation of your account or before the deadline of application in Hong Kong time, whichever is earlier. If you do not submit your application by that time, all records you have entered into the system will be deleted. It is advisable to submit your application as early as possible.		
* Required fields		
I agree with the Personal II	nformation Collection Statement.	
	Save & Continue Reset	

#### **Supporting Documents**

- Academic transcripts
- Degree Certificates
- Registration Certificate with the Pharmacy & Poison Board of Hong Kong (Certified copy) May be submitted later upon conditional offer
- Annual Practicing Certificate with the Pharmacy & Poison Board of Hong Kong (Certified copy) –
   May be submitted later upon conditional offer
- Registration Certificate with other overseas Pharmacy Registration Authorities
- TOEFL/IELTS\* official score report (if appropriate)
- Referee's reports

#### **Timeline**

- Deadline: 12:00 noon (HKT), June 4, 2021
- Online Interview (if applicable) late-June to July 2021
- Offer July 2021



