

**THE MALTA COLLEGE OF PHARMACY PRACTICE**  
 PROFESSIONAL DEVELOPMENT PROGRAMME - AUTUMN 2007  
**IS BEING SUPPORTED BY**



**Malta College  
of Pharmacy Practice**

c/o Department of Pharmacy  
University of Malta  
Msida MSD 06 • Malta  
Tel: (356) 2340 2908

**MALTA COLLEGE OF PHARMACY PRACTICE**

**CONTINUING PROFESSIONAL DEVELOPMENT PROGRAMME AUTUMN 2007**

**Renewal of Membership**

October 2007 - September 2008

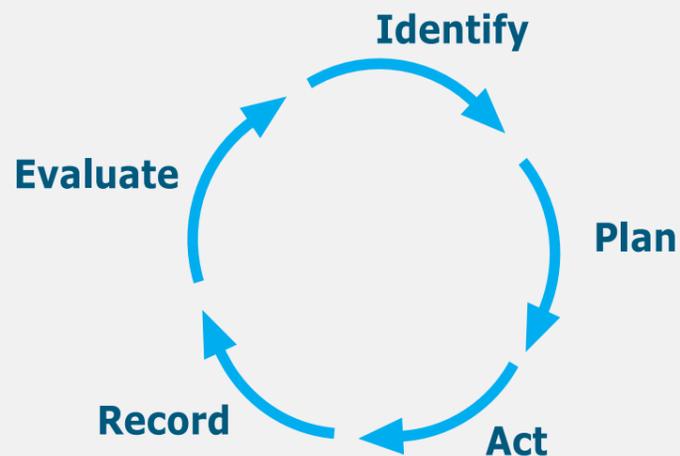
Lm9.00 (€20.96) Full Member (≥30 credits)  
 Lm10.00 (€23.29) Associate Member (< 30 credits)  
 Lm10.00 (€23.29) New Member

For clarification of membership status and amount payable  
 you may send an email to: [registrar@mcppnet.org](mailto:registrar@mcppnet.org)

In the interest of efficiency we would  
 like to urge pharmacists to pay their  
 membership in advance. Cheques payable to  
 The Malta College of Pharmacy Practice  
 Cheques should be mailed to:  
 Dr Maria Cordina, President  
 Malta College  
 of Pharmacy Practice  
 c/o Department of Pharmacy  
 University of Malta, Msida

in collaboration with  
 Department of Pharmacy  
 Department of Clinical Pharmacology & Therapeutics  
 University of Malta

**Continuing Professional  
Development Cycle**



- Identify knowledge gaps through personal assessment
- Select appropriate learning activities
- Participate in activities
- Document activities as proof of participation
- Evaluate the success of your activity

Session	Date	Book by
1 Acute renal failure	16 October	9 October
2 Chronic renal failure	23 October	16 October
3 Drug dosing	30 October	23 October
4 Drug and renal	6 November	30 October
5 Liver disease	13 November	6 November
6 Monitoring liver	20 November	13 November

**Exclusive attendance**

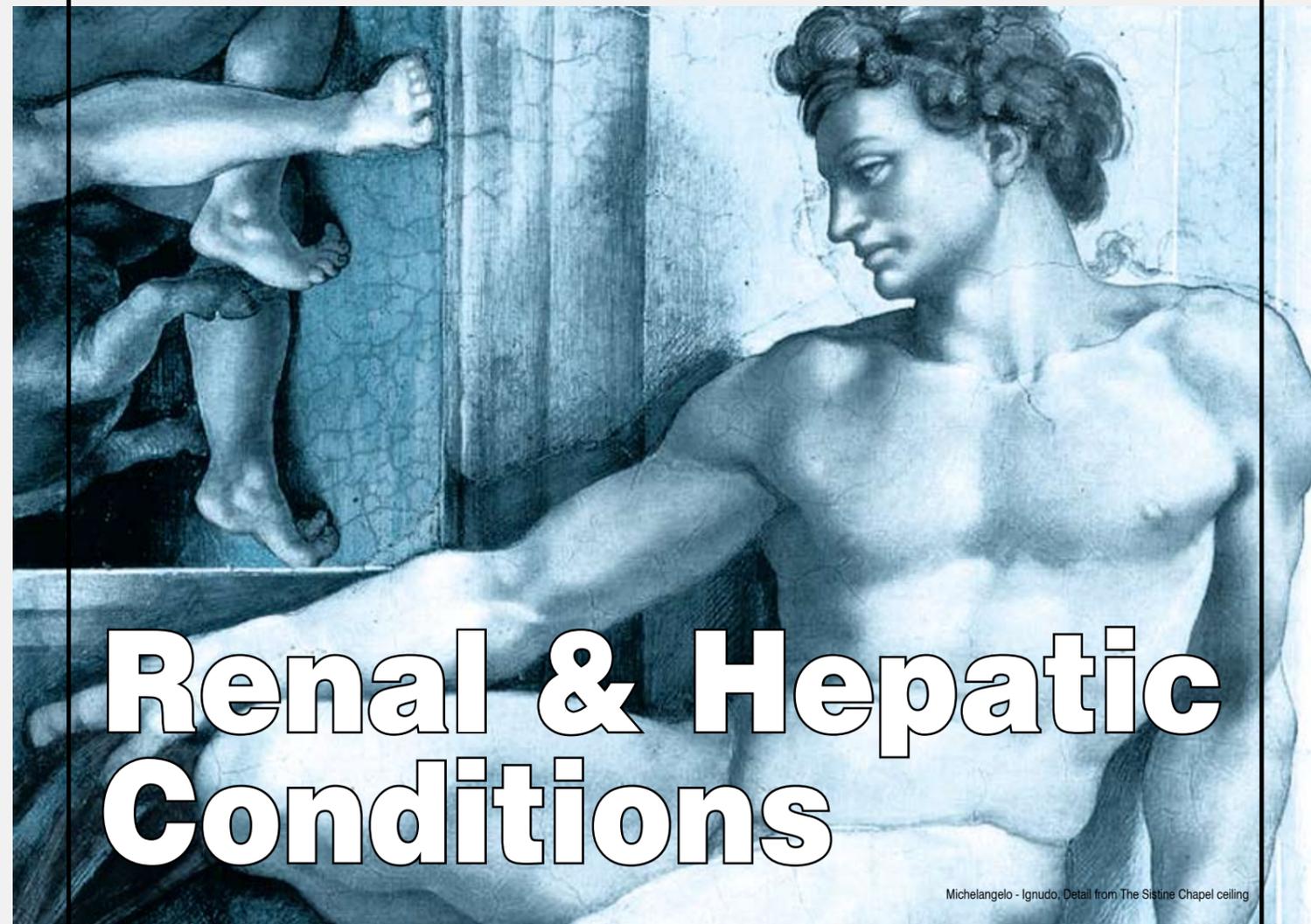
All registered pharmacists are invited to become members of the Malta College of Pharmacy Practice and attend. Only registered pharmacists are eligible to become members of the College and thus participate in the events organised.

Students wishing to attend should send  
 an email to: [president@mcppnet.org](mailto:president@mcppnet.org)

**BOOKING**

may be placed preferably by email [info@mcppnet.org](mailto:info@mcppnet.org)  
 or by phone 7947 0720 or 2340 2908 (office hours)

Update your details online  
[www.mcppnet.org](http://www.mcppnet.org)



**Renal & Hepatic  
Conditions**

**Dear Colleagues**

Our autumn programme will focus on the management of renal and hepatic conditions. Kidney and liver function are of primary importance in the pharmacotherapeutic management of disease and hence of high relevance to the practice of pharmacy. Reduced renal function may lead to toxicity, increase sensitivity to drugs, poorly tolerated side-effects in some cases drugs may cease to be effective. Liver disease may significantly alter the response to drugs in a number of ways thus drugs should be used with careful consideration in such a condition. Our panel of specialist multidisciplinary speakers will provide us with an extensive overview of the management of these conditions.

As always we urge all pharmacists to become members of The College and to attend our programmes. We would like to thank all our speakers who have kindly agreed to prepare and facilitate these workshops and to the sponsoring companies for their support.

**Maria Cordina**

BPharm(Hons), PhD(QUB), Dip Health Outcomes Research  
President, Malta College of Pharmacy Practice

**PHARMACEUTICAL CARE**

*...is the responsible provision of drug therapy for the purpose of achieving definite outcomes that improve a patient's quality of life...  
...is provided for the direct benefit of the patient and the pharmacist is responsible directly to the patient for the quality of that care."*

C.D. Hepler

SESSION 1	SESSION 2	SESSION 3	SESSION 4	SESSION 5	SESSION 6
<p><b>Acute renal failure</b></p> <p><b>Scope</b> Acute renal failure (ARF) or acute kidney injury (AKI), as it is now referred to in the literature, is defined as an abrupt or rapid decline in renal filtration function which results in retention of nitrogenous and non-nitrogenous waste products that are normally excreted by the kidney. This session aims to provide an extensive overview of acute renal failure and its management.</p> <p><b>Objectives</b></p> <ul style="list-style-type: none"> <li>To provide an overview of ARF</li> <li>To highlight salient points in history and examination of ARF</li> <li>To outline the clinical investigations involved</li> <li>To address the management of ARF</li> </ul> <p><b>Learning objectives</b> By the end of the session pharmacists will be:</p> <ul style="list-style-type: none"> <li>Able to differentiate between pre-renal, intrinsic renal and post-renal causes</li> <li>Familiar with the clinical evaluation of ARF</li> <li>Familiar with the management of ARF</li> </ul> <p><b>Delivered by</b> <b>Joe Farrugia</b> MD MRCP (UK) Senior Registrar, Department of Medicine, SLH</p>	<p><b>Chronic renal failure</b></p> <p><b>Scope</b> Chronic renal failure (CRF) is a clinical syndrome which results from an irreversible decline in renal function resulting from a variety of diseases notably diabetic nephropathy which causes 50% of cases in the Maltese population. Although in many cases deterioration in renal function is indolent and irreversible many therapeutic options are proved to help decrease the rate of loss of glomerular filtration rate. Renal transplantation is a therapeutic option which restores a near normal quality of life but necessitates pharmacological immunosuppression using an ever-expanding variety of agents.</p> <p><b>Objectives</b></p> <ul style="list-style-type: none"> <li>To describe the various causes of CRF, its epidemiology and pathophysiology.</li> <li>To describe various evidence-based therapeutic options and the pharmacological principles involved</li> <li>To describe the various modes of renal replacement therapy and how pharmacological intervention is necessary to counter-act altered physiology in CRF.</li> <li>To introduce newer immunosuppressive agents used in renal transplantation.</li> </ul> <p><b>Learning objectives</b> By the end of the session pharmacists will:</p> <ul style="list-style-type: none"> <li>Be familiar themselves with the causes of chronic renal failure and its presentation.</li> <li>Understand which options are proved to retard decline in renal function.</li> <li>Come to know which are the modes and roles of RRT.</li> <li>Appreciate the close interaction between chronic renal disease and cardiovascular complications.</li> </ul> <p><b>Delivered by</b> <b>Louis Buhagiar</b> MD (Malta) MRCS (Eng) MRCP (UK) FRCP (Lond.) FRCP (Edin) Consultant Physician, Nephrologist SLH, SJH Senior Lecturer in Medicine, University of Malta. Member European Dialysis and Transplant Association.</p>	<p><b>Drug dosing regimes in renal failure</b></p> <p><b>Scope</b> The session will provide an overview of drug dosing regimes in renal failure.</p> <p><b>Objectives</b></p> <ul style="list-style-type: none"> <li>To review current methodology for estimating GFR.</li> <li>To review general and pharmacokinetic principles of prescribing in renal impairment.</li> <li>To discuss drug issues in the CKD patient with sepsis/heart disease/pain problems.</li> </ul> <p><b>Learning objectives</b> By the end of the session, pharmacists will:</p> <ul style="list-style-type: none"> <li>Be able to calculate the GFR</li> <li>Understand the principles of dose adjustment in renal failure</li> <li>Be familiar with drug issues in commonly encountered renal failure scenarios</li> </ul> <p><b>Delivered by</b> <b>Emanuel Farrugia</b> MD Dip Neph (Lond) FRCP (Lond) FRCP (Edin) FACP FEFIM Consultant Physician and Nephrologist Department of Medicine, SLH Senior Lecturer, University of Malta</p>	<p><b>Drugs and renal disease</b></p> <p><b>Scope</b> This session will be dedicated to factors influencing decisions to alter drug doses in renal failure and renal replacement therapies. Special focus will also be given to medicines and toxins which may cause renal injury.</p> <p><b>Objectives</b></p> <ul style="list-style-type: none"> <li>To understand drug handling in renal failure</li> <li>To understand factors to consider when choosing a drug in renal disease</li> <li>To understand assessment of renal function</li> <li>To understand the principles of dose adjustment in renal impairment</li> <li>To understand drug dosing in renal replacement therapies</li> <li>To understand general nephrotoxicity factors</li> <li>To heighten awareness of classes of drugs which are nephrotoxic</li> </ul> <p><b>Learning objectives</b> By the end of the session pharmacists:</p> <ul style="list-style-type: none"> <li>Will understand the principles of drug dosing in renal disease</li> <li>Have a general guidance when dealing with patients</li> <li>Be able to create awareness of which classes of drugs need to be used with caution due to nephrotoxicity.</li> </ul> <p><b>Delivered by</b> <b>Corinne Bowman</b> BPharm(Hons), MSc(Agr Vet Pharm) Senior Pharmacist, Medicines and Poisons Information, SLH</p> <p><b>Mark L. Zammit</b> BPharm(Hons), MSc(Agr Vet Pharm), Pg Dip Medical Toxicology (Cardiff) Principal Pharmacist, Clinical Pharmacy and Medicines and Poisons Information, SLH</p>	<p><b>Liver disease and its management</b></p> <p><b>Scope</b> Liver disease is a term for a collection of conditions, diseases, and infections that affect the cells, tissues, structures, or functions of the liver. Symptoms of liver disease may be acute, occurring suddenly, or chronic, developing slowly over a long period of time. Chronic liver disease is much more common than acute. The rates of chronic liver disease for men are two times higher than for women. Liver disease may range from mild to severe depending on the type of disease present. This session will mainly address acute liver failure and alcoholic liver cirrhosis (ALC).</p> <p><b>Objectives</b></p> <ul style="list-style-type: none"> <li>To review the principle causes of acute liver failure</li> <li>To provide an overview of ALC</li> </ul> <p><b>Learning objectives</b> By the end of the session, pharmacists will:</p> <ul style="list-style-type: none"> <li>Be able to identify the main causes of acute liver failure</li> <li>Be Familiar with the pathogenesis and clinical features of ALC</li> <li>Master the therapeutic management of ALC</li> <li>Be familiar with the long term complications of ALC</li> </ul> <p><b>Delivered by</b> <b>Alfred Caruana Galizia</b> MD, FRCP(Edin), FRCP(Glas.) FRCP(Lond.) Consultant Physician &amp; Gastroenterologist Chairman, Department of Medicine</p>	<p><b>Drug-induced liver disease-monitoring and counseling</b></p> <p><b>Scope</b> Drug-induced liver injury is a frequent cause of hepatic dysfunction and the most common cause of acute liver failure. Despite recent advances in knowledge of the mechanisms implicated in drug-induced hepatocellular damage and cholestasis, as well as the identification of several risk factors, the diagnosis of hepatotoxicity remains a difficult task because specific tests are not available.</p> <p><b>Objectives</b></p> <ul style="list-style-type: none"> <li>To identify which drugs are associated with hepatic injury</li> <li>To highlight risk factors for developing drug-induced liver disease</li> <li>To discuss the presentation and clinical features of drug-induced liver disease</li> <li>To discuss the monitoring required in liver disease</li> </ul> <p><b>Learning objectives</b> By the end of the session pharmacists will be able to:</p> <ul style="list-style-type: none"> <li>Identify the signs and symptoms of drug-induced hepatic disease</li> <li>Master the knowledge on drugs which can cause acute or chronic drug-induced liver disease</li> <li>Advise patients about monitoring required</li> </ul> <p><b>Delivered by</b> <b>Valerie Vella</b> B.Pharm (Hons) MSc (Aberdeen) MpharmS Senior Clinical Pharmacist, SLH</p>
<p><b>Date</b> Tuesday, 16 October 2007 <b>Time</b> 19:30 for 20:00 <b>Venue</b> Lecture Centre, Car Park 2 University of Malta <b>Book by</b> Tuesday, 9 October 2007</p> <p>This workshop provides 4 credits towards the MCPP continuing education requirement.</p>	<p><b>Date</b> Tuesday, 23 October 2007 <b>Time</b> 19:30 for 20:00 <b>Venue</b> Lecture Centre, Car Park 2 University of Malta <b>Book by</b> Tuesday, 16 October 2007</p> <p>This workshop provides 4 credits towards the MCPP continuing education requirement.</p>	<p><b>Date</b> Tuesday, 30 October 2007 <b>Time</b> 19:30 for 20:00 <b>Venue</b> Lecture Centre, Car Park 2 University of Malta <b>Book by</b> Tuesday, 23 October 2007</p> <p>This workshop provides 4 credits towards the MCPP continuing education requirement.</p>	<p><b>Date</b> Tuesday, 6 November 2007 <b>Time</b> 19:30 for 20:00 <b>Venue</b> Lecture Centre, Car Park 2 University of Malta <b>Book by</b> Tuesday, 30 October 2007</p> <p>This workshop provides 4 credits towards the MCPP continuing education requirement.</p>	<p><b>Date</b> Tuesday, 13 November 2007 <b>Time</b> 19:30 for 20:00 <b>Venue</b> Lecture Centre, Car Park 2 University of Malta <b>Book by</b> Tuesday, 6 November 2007</p> <p>This workshop provides 4 credits towards the MCPP continuing education requirement.</p>	<p><b>Date</b> Tuesday, 20 November 2007 <b>Time</b> 19:30 for 20:00 <b>Venue</b> Lecture Centre, Car Park 2 University of Malta <b>Book by</b> Tuesday, 13 November 2007</p> <p>This workshop provides 4 credits towards the MCPP continuing education requirement.</p>