

*"The future belongs to those who believe in the beauty of their dreams"*

*- Eleanor Roosevelt*



# DPC NEWSLETTER

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## DPCSU-IPSF students attend - The Second Emirates International Conference on Combating Medicinal Products Counterfeit

The Second Emirates International Conference on Combating Medicinal Products Counterfeit (1-2 May 2017 @ Dubai Conrad Hotel)

The conference was held under the patronage of His Excellency Dr. Amin Hussain Al Amiri, Assistant Undersecretary for Medical Practice and License Sector in UAE Ministry of Health, and the Chairman of the UAE Supreme National Blood Transfusion Committee.

The Medicine Counterfeit phenomenon is a serious issue that threatens International Health & Financial Security, affecting patients' health leading to thousands of death cases and threatening countries' economics with losses that reach billions of dollars. Therefore, Ministry of Health & Prevention, United Arab Emirates (MOHAP) organized the Conference for the second time in collaboration with Les Laboratoires Servier, to study this phenomenon seeking to find solutions, to reduce or stop it, in order to protect and maintain our countries' health and economic security.



### Objectives of the conference

- To promote public awareness about counterfeit medicines, the consequence and its negative impact on public health
- To enhance enforcement against those who counterfeit medicines, by sharing best practices, encouraging transnational cooperation and collaboration
- Sharing best practices; cutting edge latest technology in combating counterfeits
- Highlighting the importance of legislative and regulatory reforms
- Developing task force and plans of action at regional and international levels, starting with countries represented at the conference



*DPCSU-IPSF students with HE Dr. Amin Hussain Al Amiri, Assistant Undersecretary for Medical Practice and License Sector in UAE Ministry of Health, and the Chairman of the UAE Supreme National Blood Transfusion Committee.*



**Aim of activity** To raise awareness among people on the risk factors, types, causes and prevention methods of hepatitis.

**Hepatitis Awareness Campaign** Organized by DPCSI-IPSF, Pharmacy Students, Pharmacists

**Date of activity** 20<sup>th</sup> – 25<sup>th</sup> April 2017

**Venue** Round Hall

**Target audience** Pharmacy Students, Society

**Description of the activity:**

- Live interviews and videos were recorded with public and people from various professions and cultures to assess the level of awareness on hepatitis and raise it as well.
- Interview with Dr. Doaa Kamal- Assistant Lecturer, Clinical Pharmacy and Pharmacy Practice Department

**Results**

- The campaign reached about 150 people.



# Clinical Skills Event

<b>Aim of activity</b>	To test and strengthen students' ability to solve drug-therapy related problems and strengthen their knowledge of clinical pharmacy required skills by holding clinical cases competitions and clinical skills session.
<b>Co-ordinator</b>	Ms. Rajia Fahim Portfolio: Pharmacy Education
<b>Clinical Skills event</b>	Organized by DPCSI-IPSF, Pharmacy Students
<b>Date of activity</b>	28 <sup>th</sup> May 2017
<b>Venue</b>	Round Hall
<b>Target audience</b>	Pharmacy Students
<b>Speakers</b>	<b>Dr. Mohamed Hisham Basheer</b> <i>BSP Pharm., PharmD, (Inpatient Pharmacist, Department of Pharmacy Services- Cleveland Clinic Abu Dhabi)</i>
<b>Description of the activity:</b>	<ul style="list-style-type: none"> <li>• Welcoming speech by DPCSU-IPSF chairperson.</li> <li>• A video about the role and importance of hospital/clinical pharmacist.</li> <li>• Dr. Mohamed Hisham Basheer delivered the presentation on skills and traits required by clinical pharmacists, along with some case scenarios.</li> <li>• Competitions were held with some case studies prepared and evaluated by Dr. Doaa Kamal and winners were provided certificates.</li> </ul>
<b>Results</b>	<ul style="list-style-type: none"> <li>• The students refreshed their clinical knowledge and practiced solving drug therapy related problem.</li> <li>• The audience enjoyed the presentation made by the guest and the event as a whole.</li> </ul>
<b>Special thanks to</b>	Clinical Pharmacy and Pharmacy Practice Department: <ul style="list-style-type: none"> <li>• Prof. Mirza Baig</li> <li>• Dr. Juliana Roos</li> <li>• Dr. Doaa Kamal</li> </ul>



# Farewell to Batch 22

*Special thanks to:*



The fresh and vibrant morning at DPC Auditorium saw yet another warm and emotional farewell to Batch 22. The students turned up in big number to watch the happening and lively program.

The 3<sup>rd</sup> years showcased an immense talent and dedication to the seniors as well as to the faculty and staff.

The atmosphere got a bit sentimental but the Dean's subsequent address propped up spirits of the outgoing batch advising the students to uphold the values and knowledge imparted to them in the four years of study.

specialization, which is trying to meet the current and future demands of human resource requirements for pharmaceutical industries, scientific offices of multinational companies, regulatory affairs and quality control labs.



The auditorium was filled with shrieks of loud music and dance by seniors and juniors collaboratively making it a lively spot. It was followed by gifts and titles to all the seniors and further by a sumptuous lunch. The efforts of the cultural club heads were clearly visible through the systematic and fulfilling farewell program.



Following the Dean's speech, Ms. Rana Sammour gave an informative speech to students on the MPharm program with special focus on courses of MPharm Pharmaceutical Product Development





# "It's Time To Say Good Bye To College!"

- Sharmina Begum ( BPharm Batch 22)

In the first year, all of us were wondering how four years of college life would subside, but after getting adjusted and getting closer to sweet friends and caring lecturers who gave us wings to fly, it is heartbreaking to leave.

College life is a journey unlike any other – it represents happiness and sadness; charming and cute, exciting and exhausting, lovely and lonely moments. College is all about building friendships, experiences, connections and more importantly building our future.

**WHERE DID THE YEARS GO?** It feels like just yesterday I got into college and experienced the joy of meeting wonderful people. Now I have to say good bye to this wonderful college campus and move on to face the new outside world.

It is hard to say goodbye to all of my friends, I've shared some of my most memorable experiences with them and we spent time together chit chatting, giggling and cracking jokes. We had some ups and downs, but at the end they are my best friends and we made it through! You would think that we would cry when saying goodbye, but



surprisingly we may not because at the end, we know we'll see each other soon - we will find a way.

It didn't occur to us how much we will be missing every moment spent in this college with everyone, it turns out to be the opposite, because I am sure these memories will be so unforgettable and soon may even turn out to be nostalgic. In this stressful time, I think it is important to take a step back and acknowledge all of our friends and professors. Thank you for helping me, for loving me and for making me who I am today.

*Goodbyes are never easy, but in carrying these memories begins a new journey...*



# “Optimized Mucoadhesive Coated Niosomes as a Sustained Oral Delivery System of Famotidine”

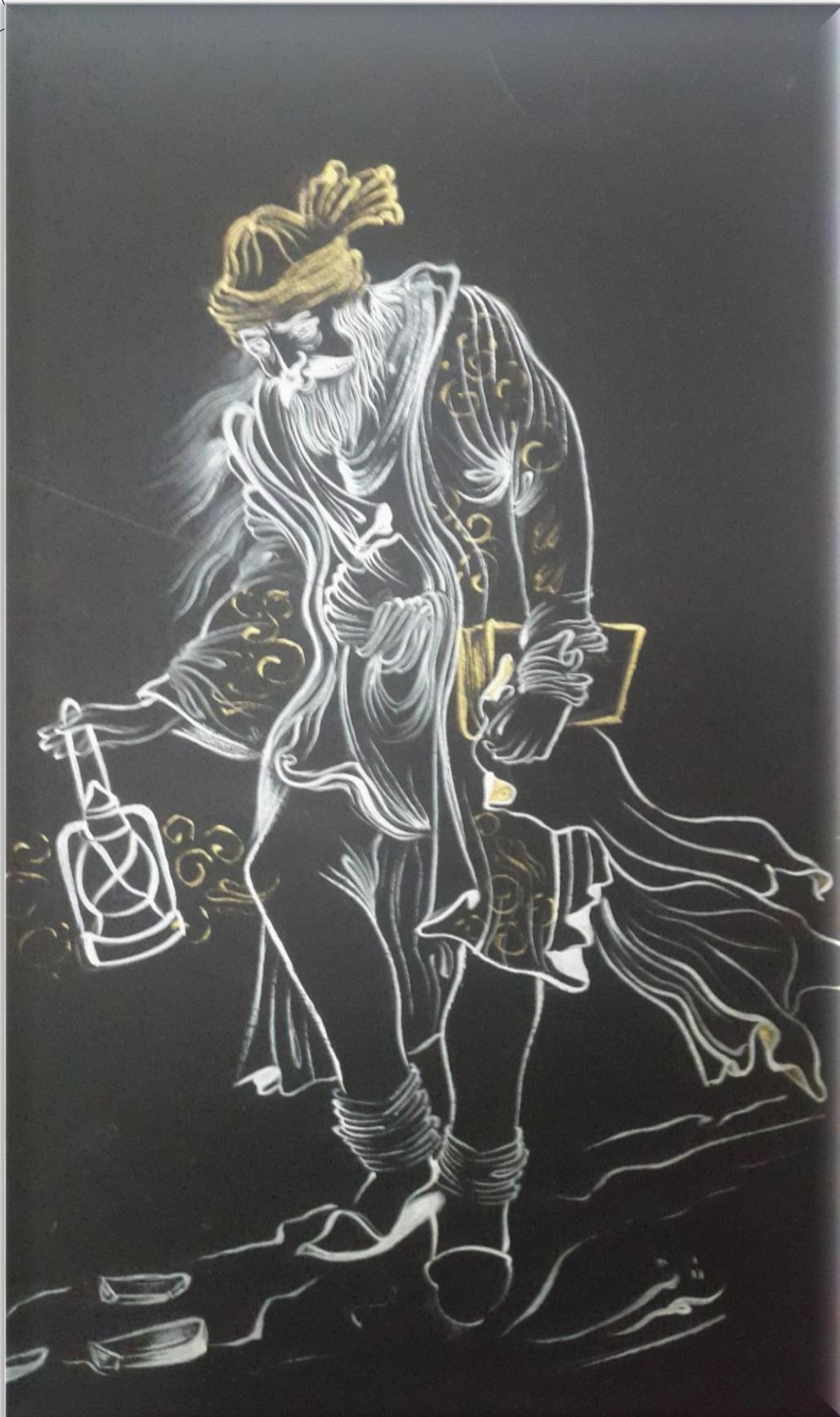
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## Abstract

The objective of this study is to develop an oral formulation of famotidine niosomes coated with amucoadhesive polymer, chitosan. Famotidine (FMT) has low oral bioavailability of 40–45% and short half-life between 2.5 to 4 h. Famotidine is classified as class IV in BCS because of its low aqueous solubility (0.1% w/v) and low permeability. Thus, FMT was loaded to the bioadhesive coated niosomes to improve its solubility, enhance its oral bioavailability, and sustain FMT release pattern. Different formulations were prepared by thin-film hydration method and characterized in terms of entrapment efficiency, morphological features, vesicle size, and zeta potential. In vitro release and ex vivo permeability of famotidine from the formulations were evaluated. The optimized formula was coated with chitosan and its mucoadhesion and stability in bile salt was tested. The optimized formula showed a high entrapment efficiency of 74%, as well as sustained the in vitro release of FMT in the simulated gastric medium and enhanced its permeation through an excised goat's intestinal membrane by 1.4 fold in comparison to FMT control suspension. The mucoadhesive coated formula exhibited a significantly higher ( $p < 0.05$ ) mucoadhesive efficiency and more stability in the bile salt as compared to the uncoated formula. Therefore, it could be considered as an efficient delivery system to maintain the prolonged release of FMT and improve its oral bioavailability.



Golnaz Adel Lashkari  
(Batch 24)

