



Introducing MyDispense to your curriculum :

Lessons from a Beginner

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Why use MyDispense in your curriculum?

- Case scenario based → reflects pharmacy practice
 - Allows students to apply their knowledge
- Simulates a real pharmacy environment- “virtual” experiential learning



Why do you use MyDispense in your curriculum?


- Pharmacy is universal- core concepts, skills, patients are also universal
- Why not?



Creating a MyDispense Hong Kong Instance

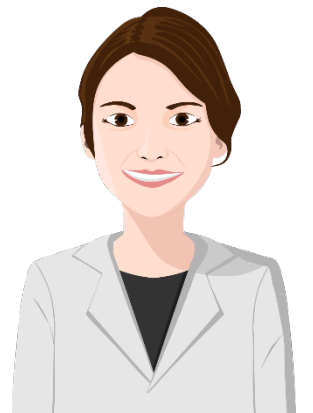


- Hong Kong based Prescribers
- Sample prescription and prescription layout
- HK Legal requirements

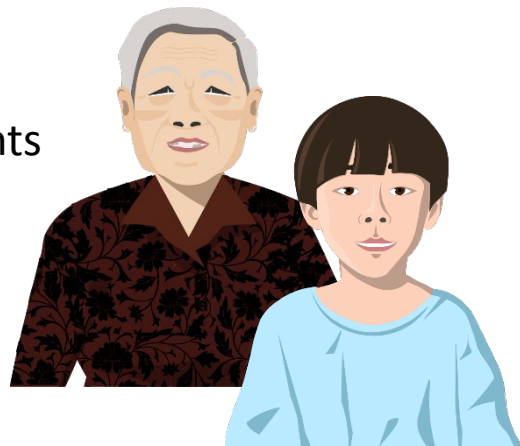
Name: Chan Feng	2198		
Sex: M	Age: 67	H.K.I.D.: F362319(9)	
Address: Room G, 18/F, 13-15 Kong Pui St, Shatinpark Stage 3, Shatin,			
Order Date: 27/04/2019	MO: Charles Au	Ward: GOPC	
Doctor's Prescription			
Drug Allergy: NKDA			
Prescription Amlodipine Besilate Tab PO 5 mg daily for 16 weeks			
Generic substitution is allowed unless otherwise specified.			
Doctor's Signature	For Pharmacy Use Only (Ext. 5787)		
			
Dr. code: OW47430	Filled by	Checked by	Issued by
請於領取藥單當天取藥, 此藥單有效期為四個工作天。 Please collect medications on the same day when the prescription is received. The prescription is valid for 4 working days.			



- Top 100 most commonly used medications in Hong Kong



- Hong Kong Patients



Tailoring your MyDispense Instance



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Welcome to MyDispense

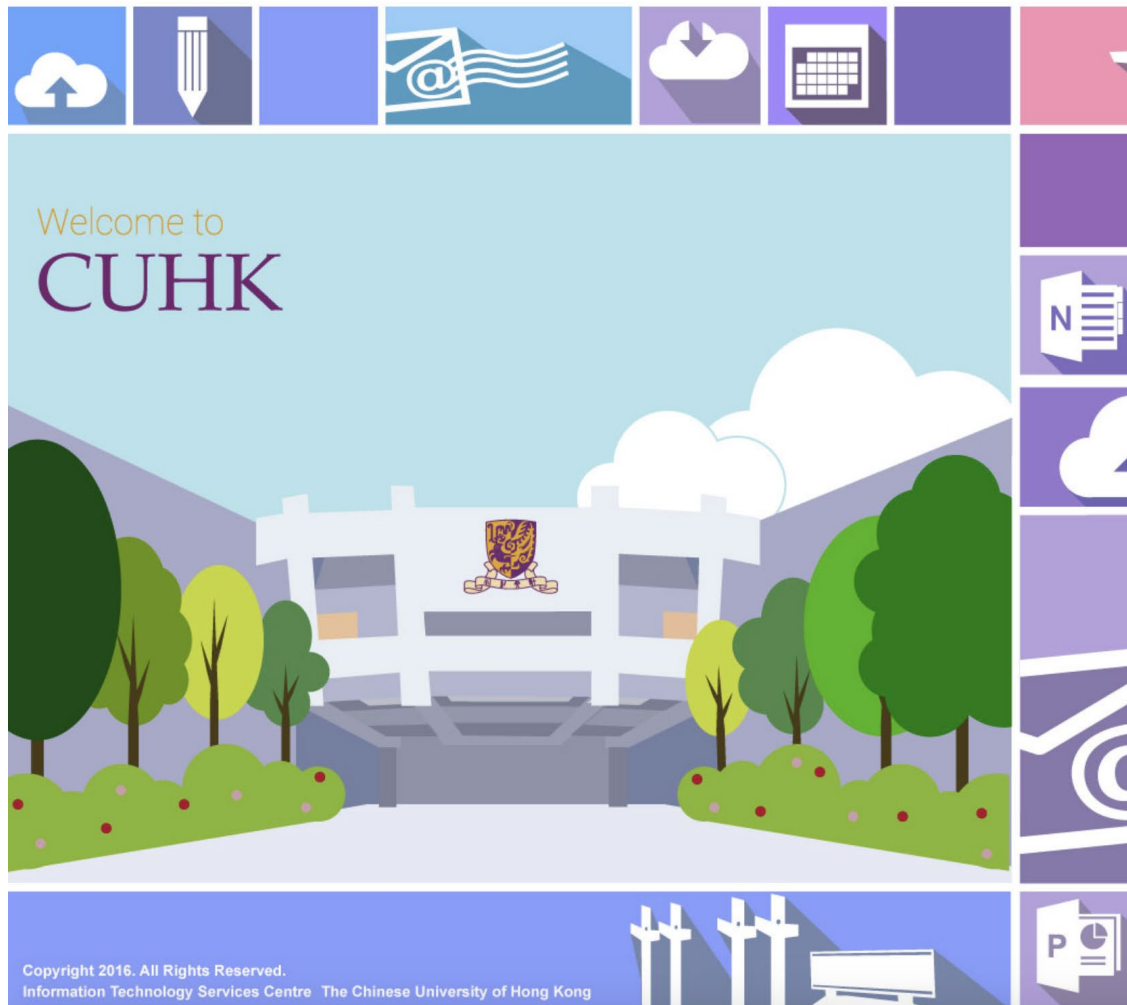


MyDispense is an online pharmacy simulation that allows you to develop and practice your dispensing skills. It provides a safe environment in which you may make mistakes without experiencing the serious consequences of practicing in the real world. For your maximum benefit use MyDispense as seriously as you would when dispensing medicines in real practice.

Login



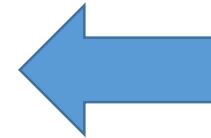
Tailoring your MyDispense Instance



CUHK LOGIN

For Office 365, @Link, LibrarySearch and more

Login with
Student: *Student-ID@link.cuhk.edu.hk*
Staff: *alias@cuhk.edu.hk*
Alumni: *alumni-ID@link.cuhk.edu.hk*
Password: OnePass Password

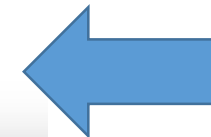


Sign in

- [? Login Help](#)
- [🔒 Change Current / Expired Password](#)
- [🔧 Maintenance Schedule](#)
- [! Contact ITSC](#)

CADS
(CADS Reference Number: 233)

  香港中文大學·資訊科技服務處
Information Technology Services Centre, CUHK



MyDispense Asia 2019

Tailoring your MyDispense Instance

https://mydispense.pharmacy.cuhk.edu.hk/exercises/3044

Name: Chan Feng 2198
Sex: M Age: 67 H.K.I.D.: F362319(9)
Address: Room G, 18/F, 13-15 Kong Pui St, Shatinpark Stage 3, Shatin,
Order Date: 27/04/2019 MO: Charles Au
Ward: GOPC

Doctor's Prescription

Drug Allergy: NKDA
Prescription
Amlodipine Besilate Tab
PO 5 mg daily for 16 weeks

Generic substitution is allowed unless otherwise specified.

Doctor's Signature For Pharmacy Use Only (Ext. 5787)
Charles Au

Dr. code: OW47430 Filled by Checked by Issued by

請於領取藥單當天取藥, 此藥單有效期為四個工作天。
Please collect medications on the same day when the prescription is received.
The prescription is valid for 4 working days.



44 References

- Lexicomp
- Micromedex
- Natural Medicines

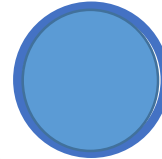
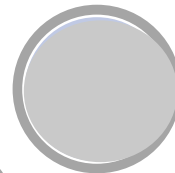
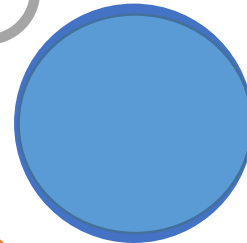
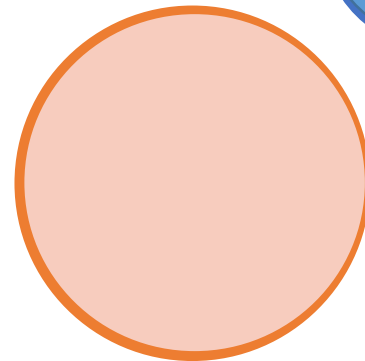
Preparing for Introduction

1. How?

2. Where?

3. When?

MyDispense CUHK
Manual



MyDispense CUHK
User Video

Designing Trial Cases

Trial Run with Student
Helpers

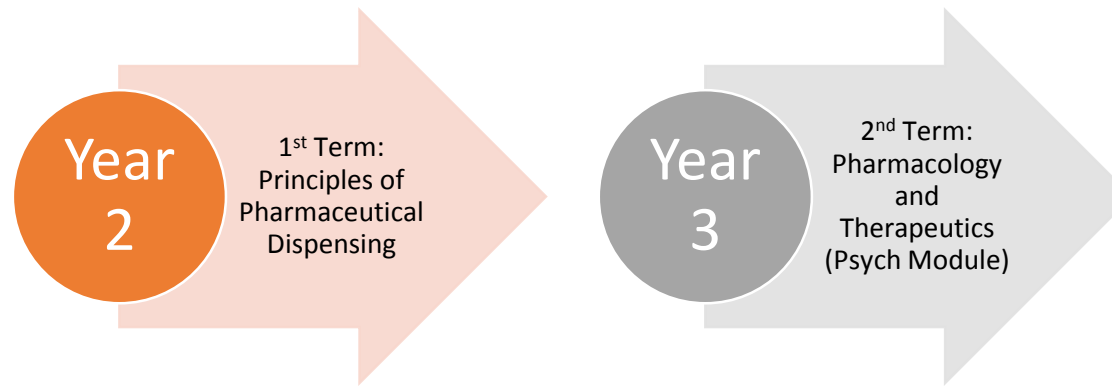
Survey Student
Helpers



Students' perception
on the use of
MyDispense

Duration of each
exercise
Degree of complexity

MyDispense in our BPharm Curriculum



The screenshot shows a digital prescription form. At the top, it lists patient information: Name: Lili Barbara, 1968, Sex: F, Age: 78, HKID: C874728(4). The address is Flat 107, Tower 1, First District, Tai Chee Ave, Tai Yai Chuen, and the order date is 21/11/2017. The prescriber is Lee Wong, MD, West Outpatient. The 'Doctor's Prescription' section includes 'Drug Allergy: No allergies' and 'Prescription: ATACAND 8mg Tab 90 #1 PO QD'. There is a signature field with a handwritten signature 'LW' and a date field '21/11/2017'. At the bottom, there are fields for 'Filed by', 'Checked by', and 'Issued by'. A small note at the bottom states: 'Paper with medication is to be given to the patient when the prescription is issued. The prescription is valid for 4 working days.'

- 20 Prescription Exercises
- Exercises covered different dosage forms
- Students are expected to complete all exercises by a certain date (email pdf to teacher)

- One therapeutic module (Psych)
- Students are expected to complete cases before lecture for in class discussion



Patient Cases

Yr 2 Curriculum: Principles of Pharmaceutical Dispensing

Learning Objectives:

1. Learn Rx abbreviations
2. Know how to interpret Rx instructions to a patient
3. Introduce various dosage formulations
4. Learn counseling points for each type of dosage formulations

The screenshot displays the MyDispense software interface. At the top, there is a navigation bar with the MyDispense logo and several menu items: Exam Manager, Units, Medications, Prescribers, Patients, Admin Options, and Celeste EWIG. Below this is a secondary navigation bar with 'Tutorials', 'Studentgroups', 'Students', and 'Reports'. The main content area is titled 'Oral Formulations' and includes a sub-header 'Including tablet, capsule and liquid dosage forms.' Below this, there are ten case study cards, each with a blue icon and a set of four buttons labeled 'P', 'E', 'C', and 'D'. The cases are: Case 1 (Amlodipine Tab), Case 2 (Celecoxib Cap), Case 3 (Sertraline Tab), Case 4 (Slow K), Case 5 (Thyroxine Tab), Case 6 (Simvastatin Tab), Case 7 (Ranitidine syrup), Case 8 (Clarithromycin suspension), Case 9 (Chlorhexidine mouthwash), and Case 10 (DDAVP SL). At the bottom of the case study area, there are five buttons: 'Create dispense exercise', 'Create validation exercise', 'Create OTC exercise', 'Add existing exercise', and 'Import exercise'. Below the case studies, there is a list of other formulation types: 'Topical Formulations', 'OSCE', 'Additional Exercises', and 'Exam', each with its own set of control buttons.

MyDispense Asia 2019

Yr 3 Curriculum: Pharmacology and Therapeutics

MyDispense MONASH University  **Psychiatric Medications - Case 2 (SSRI New case)** 440766
Exercise date: 02/05/2019



This patient claims she feels really bad recently. She is at low mood, having insomnia, low appetite for 2 months. She is referred to psychiatry unit and will have a follow-up in 2 weeks.

FREE BLOOD PRESSURE CHECK
BEAT THE FLU
ASK YOUR PHARMACIST

MONASH University logo and navigation icons at the bottom.

Prescription

Name: Wong Erin 2204
Sex: F Age: 30 H.K.I.D.: A352234(9)
Address: 15 Marlborough Dr,
Order Date: 02/05/2019 MO: Amrita Choi
Ward: Staff Clinic

Doctor's Prescription

Drug Allergy: Clindamycin
Prescription
Citalopram Tab
PO: 20 mg daily for 3 weeks
ADRs: Benzoyl Peroxide

Generic substitution is allowed unless otherwise specified.

Doctor's Signature *Amrita Choi* For Pharmacy Use Only (Ext. 5787)

Dr. code: JZ39906 Filled by _____ Checked by _____ Issued by _____

請於領取藥單當天取藥, 此藥單有效期為四個工作天。
Please collect medications on the same day when the prescription is received.
The prescription is valid for 4 working days.

Yr 3 Curriculum: Pharmacology and Therapeutics

Learning Objectives (CNS Module):

1. Understand the clinical use of CNS medications
2. Learn important clinical concepts
 - Drug drug interactions
 - Adverse effect detection and management
 - Starting or stopping a medication
 - Counseling points

Dispense Screen

Patient Name: Age: 30 years old Phone: 61435716199

Chinese Name: 王一心 Address: 15 Marlborough Dr
Hong Kong ID: A352234(9)

Script Date: Prescriber: Prescriber No: Quantity: Pharmacist Initials:

Drug: Drug Details:

Directions: Precautions:

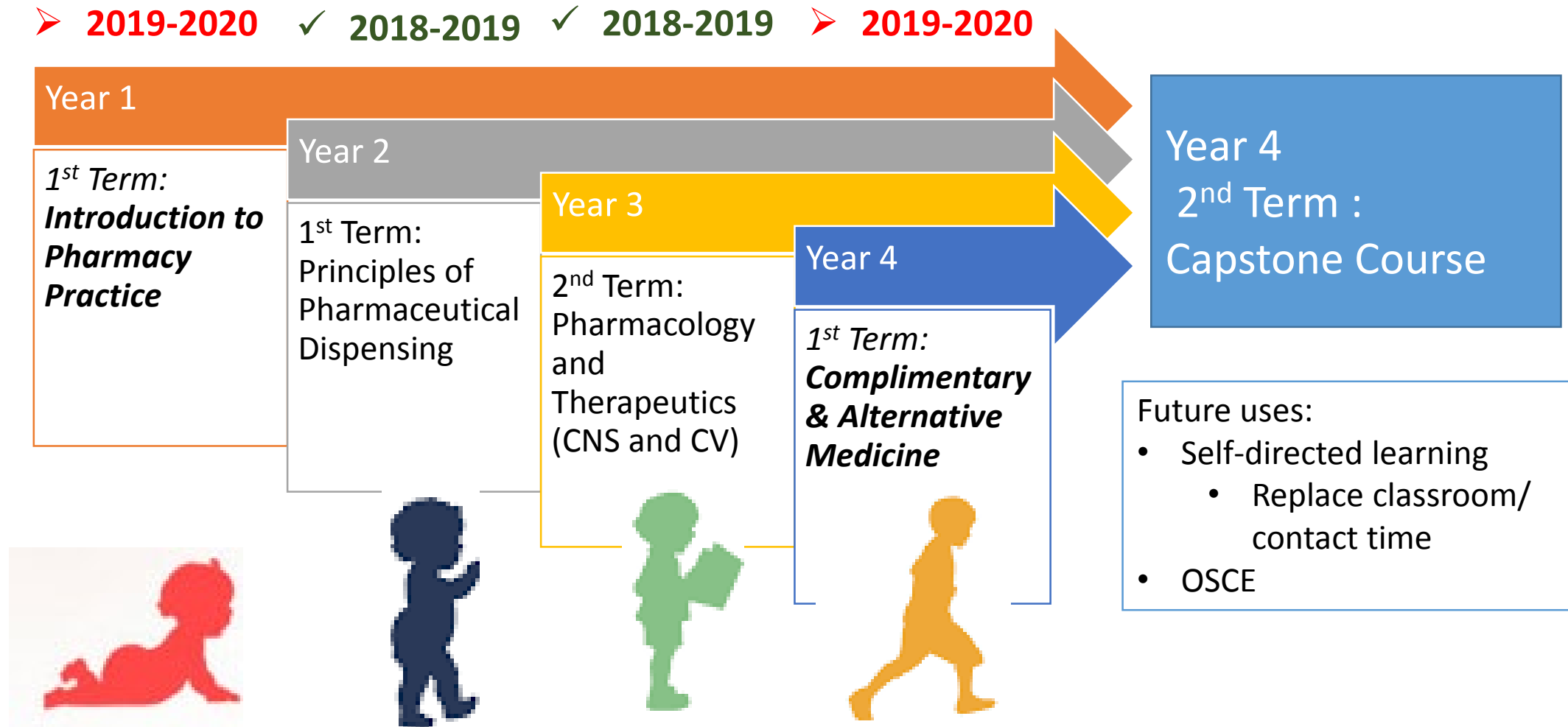
Label Preview:

Date	Rx No	Qty	Rpt
02/05/2019	008647	21	0
Citalopram 20mg Tab			
02/05/2019	008648	21	0
Zopiclone 7.5mg Tab			
04/04/2019	008649	1	0
Hydrocortisone acetate 1% Cr			
04/04/2019	008650	1	0
FUCIDIN 15GM (Sodium Fusidate) 15g Oint			

Patient Notes: +

Navigation icons: x0, x0, [check], [screen], [list], [chat], [person], [magnifying glass], [document], [close], [back], [forward]

Future Plans with MyDispense



Students' Feedback...

Best Aspects

- "It is convenient"
- "Easy to use"
- "I am able to learn outside of class"

- "I can practice my counseling"
- "Real-world patient cases/ real life simulation"
- "As a platform to apply knowledge learned"
- "Not constrained by time, we have enough time to check references"

- "Interesting"
- "Visually appealing"

Worst Aspects

- "The cases are repetitive"
- "The cases are too straight forward"
- "Very mechanical"
- "No wrong case"

- "Lots of time required to find the drug from the shelf"
- "Time consuming"
- "No specific instruction for each exercise"
- "Unclear patient counseling"

- "Interface is not user friendly"
- "Need to learn how to use MyDispense"

Students' Feedback

How could MyDispense be improved as a learning tool?

- “Make the cases more difficult”
- “Include problematic cases”
- “ Consistent counseling notes”
- “Less modules”
- “Be more user-friendly”
- “Include extemporaneous compounding”
- “More explanation in the feedback”
- “Regular submission of exercise”
- “Provide feedback”
- “More functions can be added to MyDispense”
- “Make a mobile app”
- “Have voice over”
- “More clear instructions”

Lessons from a Beginner (My Feedback)

1. Consult a more experienced user who you can connect to
2. Find a willing colleague
3. Reach out to past students who are now practicing pharmacists to collect good exercises
4. Consider developing your own user manual/ video
5. Gather a group of students to trial run the exercises to identify any problems
6. Plan for the unexpected
7. Ask for help/ resources





Thank you and Good luck!

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