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## Digihealth E-module Learning Design

### Course Summary

Title	Specialized Pharmacology 1		
Code	PHARL6403	Credit/Hours	20 hours
Program	Pharmacy		
Academic Year	Third year		
Lecturer's Name(s)	Dr Racha KARAKY & Pr Marianne HADDAD		



## 1. Context

Topic: Drugs reducing gastric acidity

Designed learning time: 2 hours and 41 minutes

Size of class: 20 students

Description: This course provides the basic knowledge and general principles to effectively manage conditions of gastric hyperacidity

Mode of delivery: Blended

## 2. Aims

1-Review succinctly the physiology of gastric secretion

2. For each pharmacological family ,

- o Name the prototype and the “me-too” agents
- o Explain the mechanism(s) of action
- o Recognize the pharmacological effects
- o Compare and contrast the pharmacokinetic parameters of the agents
- o Identify the principal adverse effects
- o Analyze the principles of good use of the drugs in order to predict their indications, precautions of use and contraindications
- o Detect the eventual drug-drug interactions

## 3. Outcomes

Knowledge: Relate the therapeutic agents to their pharmacological families

Comprehension: Identify within a pharmacological class the differences among the agents with regard to mechanism of action, pharmacokinetic parameters and side effects

Application: Council patients about appropriate use of drugs, possible adverse effects, measures for therapy monitoring and eventual drug-drug interactions

Analysis: Evaluate the therapeutic options of relevant diseases based on the characteristics of each pharmacological class

Synthesis: Interpret a patient’s pharmacotherapeutic regimens and optimize them in order to prevent drug interactions, minimize side effects, increase compliance and improve therapeutic outcomes

Evaluation: Interpret a patient’s pharmacotherapeutic regimens and optimize them in order to prevent drug interactions, minimize side effects, increase compliance and improve therapeutic outcomes





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*Investigate*                      *20 minutes*                      *2 Students*                      *Teacher not present*                      *Online*

Case report : Identify a patient using chronically PPI, describe him and apply Dharmarajan algorithm

*Produce*                      *20 minutes*                      *2 Students*                      *Teacher not present*                      *Online*

Case report : Produce a report (using the grid) and upload it on the padlet

*Practice*                      *10 minutes*                      *1 Student*                      *Teacher not present*                      *Online*

Crosswords : Solve the crosswords on drugs that reduce gastric acidity (Activinspire activity)



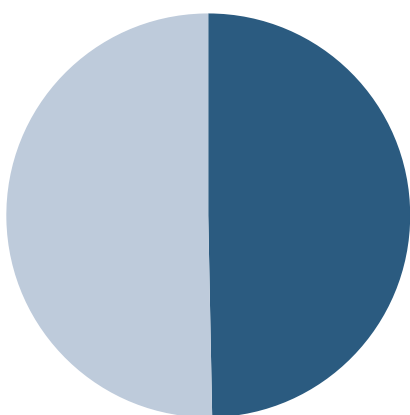
## 5. Representations of the learning experience



Learning through	minutes	%
Acquisition (Read, Watch, Listen)	76	47
Investigation	25	16
Discussion	0	0
Practice	10	6
Collaboration	30	19
Production	20	12



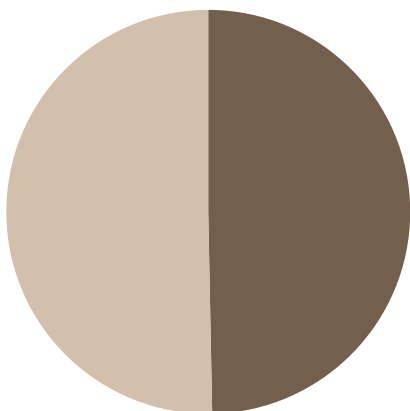
	minutes	%
Whole class	80	50
Group	60	37
Individual	21	13



	minutes	%
Face to face (not online)	80	50
Online	81	50



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	minutes	%
Teacher present	80	50
Teacher not present	81	50