

SCBM 342
Systemic Pathology

Semester 2/2017

Department of Pathobiology
Faculty of Science
Mahidol University

Course Syllabus

(Lecture-Lab-Self-study)

SCBM 342 Systemic Pathology

4(2-4-6)

Introduction to macroscopic and microscopic pathological alterations of cytology, respiratory system, reproductive system, renal system, gastro-intestinal system, liver and biliary system, integumentary systems, cardiovascular system, soft tissue, bone and muscular system and endocrine system.

Prerequisite SCBM 341 General Pathology

Type of Course Required course

Session 2nd Semester

Course Conditions class size : None

Course Objectives

By the end of this course the students are able to understand the basic concepts (aetiology, pathogenesis, morphology and complications) of pathological alterations of various system due to cell injury, inflammation, neoplasia, immunological deficiency, infection and other disease.

Course Outline

Date	Time	Topic	Lecture	Lab	Lecturer
15 Jan	9.30-10.00	Introduction			WJ
	10.00-12.00	Respiratory Pathology I	L1		WJ
	13.00-15.00	Respiratory Pathology II	L2		WJ
16 Jan	9.00-12.00	Lab 1: Respiratory Pathology I		3	WJ
	13.00-16.00	Lab 2: Respiratory Pathology II		3	WJ
22 Jan	10.00-12.00	Cardiovascular Pathology	L3		WJ
	13.00-16.00	Lab 3: Cardiovascular Pathology		3	WJ
23 Jan	10.00-12.00	Liver, Pancreas and Gall Bladder Pathology	L4		WP
	13.00-16.00	Lab 4: Liver, Pancreas, Gall Bladder		3	WP
29 Jan	10.00-12.00	Gastrointestinal Pathology I	L5		PS
	13.00-15.00	Gastrointestinal Pathology II	L6		PS
30 Jan	9.00-12.00	Lab 5: Gastrointestinal Pathology I		3	PS
	13.00-16.00	Lab 6: Gastrointestinal Pathology II		3	PS
5 Feb	10.00-12.00	Skin Pathology	L7		SN
	13.00-16.00	Lab 7: Skin Pathology		3	SN
6 Feb	10.00-12.00	Soft tissue and Bone-Joint Pathology	L8		PC
	13.00-16.00	Lab 8: Soft tissue and Bone-Joint		3	PC
12 Feb	9.00-16.00	Midterm Examination: L1-7, Lab1-7			

Date	Time	Topic	Lecture	Lab	Lecturer
13 Feb	10.00-12.00	Endocrine Pathology	L9		ANJ
	13.00-16.00	Lab 9: Endocrine Pathology		3	ANJ
19 Feb	9.00-10.00	Assignment I		1	NK
	10.00-12.00	Renal Pathology I	L10		NK
	13.00-14.00	Assignment II		1	NK
	14.00-16.00	Renal Pathology II	L11		NK
20 Feb	10.00-12.00	Lab 10: Renal Pathology I		3	NK
	13.00-16.00	Lab 11: Renal Pathology II		3	NK
21 Feb	13.00-16.30	Data Searching I		3.5	
26 Feb	10.00-12.00	Neuro and musculoskeletal	L12		NC
	13.00-16.00	Lab 12: Neuro and musculoskeletal		3	NC
27 Feb	10.00-12.00	Male Reproductive Pathology	L13		NC
	13.00-16.00	Lab 13: Male Reproductive Pathology		3	NC
28 Feb	13.00-16.30	Data Searching II		3.5	
5 March	10.00-12.00	Female Reproductive Pathology I	L14		SN
	13.00-16.00	Female Reproductive Pathology II	L15		SN
6 March	10.00-12.00	Lab 14: Female Reproductive Pathology I		3	SN
	13.00-16.00	Lab 15: Female Reproductive Pathology II		3	SN
7 March	13.00-16.00	Data Searching III		3	
12 March	9.00-16.00	Final Examination: L8-15, Lab8-15			
16 March	13.00-16.00	Presentation		3	
Total (h)			30	60	

Teaching methods

1. Lectures in class 30 hours.
2. Students design and carry out experiments in laboratory session 60 hours.

Teaching Media

1. Class handouts, Power point presentation
2. Gross specimens and Histopathology glass slides

Measurement and Evaluation of Students Achievement

1. Examination in lecture 50%
2. Examination in laboratory 30%
3. Class participation 10%
4. Quiz 10%
5. Student Examination Grade = A, B+, B, C+, C, D+, D, F

References

1. Kumar V, Abbas AK, and Aster JC. 2017. Robbins Basic Pathology. 10th Edition. Elsevier. 952pp. ISBN 10: 0323353177 / ISBN 13: 9780323353175
2. Rubin E, Reisner HM. Essentials of Rubin's Pathology. 6th ed., Lippincott Williams & Wilkins, 2013, 704p.
3. Underwood JCE, Cross SS. General and Systematic Pathology. 5th ed., Churchill Livingstone, 2009, 872p.
4. The Internet Pathology Laboratory for Medical Education Florida State University College of Medicine : <http://library.med.utah.edu/WebPath/webpath.html>
5. The Pathology Guy" Ed Friedlander MD Chairman, Dept. of Pathology, University of Health Sciences, KC : <http://www.pathguy.com/>

Instructors

1. ANJ = Assistant Professor Amornrat Naranuntarat Jensen, Ph.D
2. NC = Nisamanee Charoenchon, Ph.D
3. NK = Niwat Kangwanransan, Ph.D
4. PC = Pornthip Chaichompoo, Ph.D
5. PS = Assistant Professor Prasit Suwannalert, Ph.D
6. SN = Somphong Narkpinit, M.D.
7. WJ = Associate Professor Wannee Jiraungkoorskul, Ph.D
8. WP = Witchuda Payuhakrit, Ph.D

Teaching Assistant

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|----------------------------------|----------------|
| 1. Miss Ayushi Jain | 5838298 SCPA/M |
| 2. Miss Areewan Tansiri | 5937197 SCPA/M |
| 3. Miss Parinda Jamrus | 5937198 SCPA/M |
| 4. Miss Onnicha Pongwattanakewin | 5937742 SCPA/M |
| 5. Miss Suchanya Suesattayapirom | 5937743 SCPA/M |

Scientists

1. Athisri Sitthipunya (Pathobiology)
2. Sumalee Chanchai (MDL Salaya)

Coordinator

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Requesting an appeal

1. Somphong Narkpinit, M.D. (Course coordinator)

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