

A Master Course	Class Style	Lecture/Practice	FB : Compulsory 2 credits AM : Compulsory 2 credits GM : Compulsory 2 credits	2020
Course Title	General Pathology	Numbering code	FB : G M D M F B 1 0 0 3 AM : G M D M A M 1 0 0 3 GM : G M D M G M 1 0 0 3	
Objectives	Learning concepts and basic mechanisms of diseases and anatomical, histological changes by those			
Semester	The first half of the 1st grade, The 6th period, Friday(18:00~19:30)			
Location				
Couse Director	Tatsuhiko Furukawa (連絡先 : furukawa@m3.kufm.kagoshima-u.ac.jp)			
G I O	1) Learn about diseases and the causes of diseases 2) Learn about basic mechanisms of diseases and anatomical, histological changes by those			
S B O	Students will get the ability to 1) Classify various diseases by their mechanisms 2) Explain the mechanisms of cell damage and regeneration including necrosis, apoptosis, and metaplasia 3) Explain developmental abnormalities and related diseases 4) Explain inflammation and immunological disorders and related diseases 5) Explain circulation abnormalities and related diseases 6) Explain tumor development and its molecular mechanisms 7) Explain diseases caused by environmental factors with relation to legal medicine 8) Explain major pathological changes (especially tumor and inflammation) grossly and histologically 9) Explain analytical methods in pathology and legal medicine			
Outline (90 minutes x 15 lectures)			Instructor	
1	Introduction to pathology	Michiyo Higashi		
2	An introduction of tumor	Michiyo Higashi		
3	Tumors of major organs	Akihide Tanimoto		
4	Circulation abnormalities and their pathology	Akihide Tanimoto		
5	Inflammation and immunological disorder 1	Mitsuhiro Hara		
6	Inflammation and immunological disorder2	Mitsuhiro Hara		
7	Molecular background of cancers 1	Tatsuhiko Furukawa		
8	Molecular background of cancers 2	Tatsuhiko Furukawa		
9	Metabolic diseases and their pathology1	Masahisa Horiuchi		
1 0	Metabolic diseases and their pathology2	Masahisa Horiuchi		
1 1	Principle of determining cause of death1	Takahito Hayashi		
1 2	Principle of determining cause of death2	Takahito Hayashi		
1 3	Clinical pathology of tumor	Tsuyoshi Sugiura		
1 4	Etiology and pathology of oral cancers	Kaori Shima		
1 5	Oncology practical work	Kaori Shima		

Teaching Materials	We don't specify a textbook. We will introduce and/or provide references as needed.	
Grading Method	Comprehensive determination on active attendance to lectures (70%) and practical work (30%)	
Contact	Office hours	19:40~20:10 on Tuesday and Thursday, I recommend making appointment by e-mail in advance, then other occasions might be available.
	email	furukawa@m2.kufm.kagoshima-u.ac.jp
Others	Please leave your e-mail address at registration. Subjects and instructors might be changed.	