

Course title <English>	医学基礎 II Basic Medicine II	Affiliated department, Job title,Name	Graduate School of Medicine Professor,KAWAKAMI KOUJI		
Grade allotted	Professional degree students	Number of credits	2	Course offered year/period	2015/Second semester
Day/period	Thu.2	Class style	Lecture	Language	Japanese and English
[Outline and Purpose of the Course]					
<p>Director and Instructors: Kenji Kono (Professor, Emeritus of Kyoto University) Kenji Ueshima(Professor, Department of EBM research,Institute for Advancement of Clinical and translational Science, Kyoto University Hospital)</p> <p>This course introduces the basics of human anatomy, physiology endocrinology , biochemistry, immunology as a basis for the understanding of human diseases.</p>					
[Course Goals]					
<ul style="list-style-type: none"> • To understand the basics of circulatory system • To understand the basics of the structure and function of nervous system • To understand the basics of sensory system • To understand the basics of movement control 					
[Course Schedule and Contents]					
<p>Course Schedule (*Schedule may be changed)</p> <p>1 Oct 1 Circulatory system (Introduction)</p> <p>2 Oct 8 Circulatory system 1 (valvular heart disease and congenital heart disease)</p> <p>3 Oct 15 Circulatory system 2 (ischemic heart disease and vascular disease)</p> <p>4 Oct 22 Circulatory system 3 (hypertension and arrhythmia)</p> <p>5 Oct 29 Neuronal cell and signaling</p> <p>6 Nov 5 Nervous system research</p> <p>7 Nov 12 Structure and function: spinal and brainstem</p> <p>8 Nov 19 Structure and function: basal ganglion and cerebellum</p> <p>9 Nov 26 Movement control of cerebral cortex</p> <p>10 Dec 3 Sleep, arousal and vital environmental control</p> <p>11 Dec 10 Sensory system: gustatory, olfaction, vestibular sense, audition, somatosensory</p> <p>12 Dec 17 Sensory system: ocular vision</p> <p>13 Dec 24 Lecture about reports</p> <p>14 Jan 7 Emotion and Memory, synaptic plasticity</p> <p>15 Jan 14 Cerebrum association area and higher function</p>					
[Class requirement]					
Second Semester , Required for students without medical background					
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医学基礎 II(2)

[Method, Point of view, and Attainment levels of Evaluation]

Attitude & Attendance 30%, Examination 70%

[Textbook]

Suggested readings:

- ・佐藤昭夫、佐伯由香編. 人体の構造と機能. 医歯薬出版, 2006.
- ・テイポドー、パットン(コメディカルサポート研究会訳). カラーで学ぶ解剖生理学. 医学書院, 2002.
- ・A.シェフラー、S.シュミット(三木明德、井上食央訳). からだの構造と機能. 西村書店, 2002.
- ・クロスマン、ネアリー (野村巖、水野昇訳). 神経解剖カラーテキスト 第2版. 医学書院, 2008.
- ・大地陸男 (著). 生理学テキスト. 文光堂, 2013.
- ・福田康一郎 (監修). 標準生理学. 医学書院, 2014.
- ・Eric Kandel, James Schwartzs 他. Principles of Neural Science 5th edition. McGraw-Hill Professional, 2012.
(日本語版) 金澤一郎、宮下保司 (監修). カンデル神経学. メディカルサイエンスインターナショナル, 2014.
- ・泰羅雅登、中村克樹 (監修、翻訳). カールソン神経科学テキスト 脳と行動. 丸善出版, 2013.

[Reference books, etc.]

(Reference books)

[Regarding studies out of class (preparation and review)]

Preparation in advance and review after lecture

(Others (office hour, etc.))

Koji Kawakami (Education Committee Chairman; Professor, Department of Pharmacoepidemiology : kawakami.koji.4e@kyoto-u.ac.jp)

※The class is open to students from Graduate School of Human Health Science.

*Please visit KULASIS to find out about office hours.