Course title <English>	医学基礎　II Basic Medicine II	Affiliated department, Job title,Name	Graduate School of Medicine Professor,KOIZUMI AKIO

Grade alloted	Professional degree students	Number of credits	2	Course offered year/period	2016/Second semester

Day/period	Thu.2	Class style	Lecture	Language	Japanese and English

[Outline and Purpose of the Course]

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)

This course introduces the basics of human anatomy, physiology endocrinology , biochemistry, immunology as a basis for the understanding of human diseases.

[Course Goals]

・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]

Course Schedule (*Schedule may be changed)
1 Oct 6 Circulatory system (Introduction)
2 Oct 13 Circulatory system 1 (valvular heart disease, congenital heart disease, and vascular disease)
3 Oct 20 Circulatory system 2 (ischemic heart disease and emergency medicine)
4 Oct 27 Circulatory system 3 (hypertension and arrhythmia)
5 Nov 10 Neuronal cell and signaling
6 Nov 17 Nervous system research
7 Nov 24 Structure and function: spinal and brainstem
8 Dec 1 Structure and function: basal ganglion and cerebellum
9 Dec 8 Movement control of cerebral cortex
10 Dec 15 Sleep, arousal and vital environmental control
11 Dec 22 Lecture about reports
12 Jan 5 Sensory system: gustatory, olfaction, vestibular sense, audition, somatosensory
13 Jan 12 Sensory system: ocular vision
14 Jan 19 Emotion and Memory, synaptic plasticity
15 Jan 26 Cerebrum association area and higher function

[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.
・テイポド一、パットン(コメデイ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.シェフラ一、S.シュミット(三木明徳、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（野村嶬、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 Schwarts 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.