Course number	Name of the Course	Japanese Name
HE40233	Practice of Clinical Pharmacology	臨床薬理学実習

Class	Unit	Module	Week	Time	Room
3rd	1	Fall A	Wednesday Thursday	4-5th 3-4th	4B112

Instructors（Office・Tel・email・Office hour）

Norihiko Ohbayashi (Health and Medical Science Innovation Lab Building, Room 304; TEL: 3287)
Yuji Funakoshi (Health and Medical Science Innovation Lab Building, Room 304; TEL: 3115)
Naohiro Katagiri (Health and Medical Science Innovation Lab Building, Room 304; TEL: 3115)
Koichi Hashimoto (E Building, 2nd Floor; TEL: 7945)
Yoshio Nakata (E Building, 2nd Floor; TEL: 3076)
Keiko Fujie (E Building, 2nd Floor; TEL: 91758)

Objectives

- Observe biological functions in the animal and understand mechanisms of action of drugs.
- Develop basic pharmacological principles you have studied to learn theory and practice of drug therapy in clinical medicine.
- Experience the process of clinical trials through group studies and role-plays to understand importance of clinical trials in drug development

Language: ☑ / ☐Japanese、 ☐English、 ☑Bilingual

	Date	Name of instructor	Lecture outline
1	10/4	Ohbayashi N, Funakoshi Y, Katagiri N	Introduction, preparation of reagents
2	10/5	Ohbayashi N, Funakoshi Y, Katagiri N	Effects of insulin and epinephrine on blood glucose levels-1
3	10/11	Ohbayashi N, Funakoshi Y, Katagiri N	Effects of insulin and epinephrine on blood glucose levels-2
4	10/12	Ohbayashi N, Funakoshi Y, Katagiri N	Mechanisms of action of adrenergic receptor antagonists-1
5	10/18	Ohbayashi N, Funakoshi Y, Katagiri N	Mechanisms of action of adrenergic receptor antagonists-2
6	10/19	Ohbayashi N, Funakoshi Y, Katagiri N	Discussion of the results, lectures on the regulation of blood glucose
7	10/25	Hashimoto K, Nakata Y, Fujie K	The process of pharmaceutical drug development
8	10/26	Hashimoto K, Nakata Y, Fujie K	Protocol design and implementation of clinical trials
9	11/2	Hashimoto K, Nakata Y, Fujie K	Role-paly of informed consent in clinical trials-1
10	11/8	Hashimoto K, Nakata Y, Fujie K	Role-paly of informed consent in clinical trials-2

Levels needed for credit	Minimal requirement for credit grant (criteria common to all practical subjects of Sch. Med. Sci.): 1) At least 2/3 attendance to the class, and 2) Submission of reports evaluated as Grade C or higher.
Text and materials	Will be distributed
Grade evaluation	In addition to performance in the class and the report evaluation, examinations may be underwent for particular subjects. For this subjected, evaluation is made by 【Report and attitudes to the practice】.

Remarks：
We expect you to participate actively in the practice and to understand biological functions as well as the importance of clinical trials for drug development.