

講義ユニット名 Title of Lecture	Ophthalmology		所属科目名 Title of Course	Clinical diagnosis and treatment II
講義ユニット責任者 Responsible Instructor	KIUCHI YOSHIAKI	所属 Affiliation	Ophthalmology (内線 Ext. Number 5245)	
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授業方法 Lesson Style	Lectures using Power Point slides.			
概要 Overview	Students will understand the mechanism of seeing and learn the pathology and treatment of eye diseases. An eyeball is as small as 2 cm but its diseases are diversified, including ocular surface, intraocular, and optic nerve diseases. Students will also learn about ocular diseases associated with systemic diseases and ocular emergency diseases.			
講義ユニットの到達目標 Academic Goals	Explain the structures and functions of the eyeball and its appendages. Explain the mechanism for receiving visual information and its neural pathway. Explain the mechanism of eye movement. Explain the functions of light reflex, convergence reflex, and corneal reflex. List basic ophthalmological examinations (vision test, visual field test, slit-lamp biomicroscopy, tonometry, and ophthalmoscopy) and describe their principles and indications, and interpret major findings. List major symptoms of the optical and visual systems (visual impairment, abnormal visual field, eye movement disorder, eye discharge/redness, myodesopsia, and eye pain) and explain the pathogenesis, primary disease, and treatment of these symptoms. Explain the pathophysiology of refractive errors (myopia, hyperopia, astigmatism) and accommodation disorders. Explain the symptoms, diagnosis, and treatment of contagious conjunctival diseases. Explain the causes, symptoms, diagnosis, and treatment of cataract. List the causes of glaucoma and their pathogenesis, symptoms, and treatments. Explain the symptoms, diagnosis, and treatment of rhegmatogenous retinal detachment. Explain diabetic, hypertensive, and arteriosclerotic fundus changes. Explain the causes, symptoms, diagnosis, and treatment of uveitis.			

	<p>Explain the causes, symptoms, and diagnosis of papilledema.</p> <p>Explain the causes, symptoms, and diagnosis of optic neuritis and neuropathy.</p> <p>Explain the symptoms and emergency treatment of chemical injury (alkali and acid).</p> <p>Give an outline of achromatopsia.</p> <p>Explain the symptoms, diagnosis, and treatment of retinal vein occlusion and arterial occlusion.</p> <p>Explain the symptoms, diagnosis, and treatment of retinoblastoma.</p> <p>Explain the symptoms, diagnosis, and treatment of central retinal artery occlusion.</p>
講義日程 Class Schedule	See the attached schedule.
出席の取り扱い Class Attendance Policy	Attendance is taken every lecture using the Student Attendance Management System. A student whose attendance is less than two-thirds of all the classes is not eligible for taking the final examination.
評価項目 Evaluation Item	Achievement level of goals (basic understanding and application of knowledge)
評価法 Evaluation Method	Essay examination
履修上のアドバイス Advice for Taking the Lecture	
推奨参考書 Recommended Reference Books	[Reference books recommended for purchase] <i>Hyojun Gankagaku (Standard Textbook)</i> . Ono S. superv-ed. Igakushoin