<table>
<tr><td>講義ユニット名
Title of Lecture</td><td colspan="2">Diagnostic Radiology</td><td>所属科目名
Title of Course</td><td>Clinical diagnosis and treatment II</td></tr>
<tr><td rowspan="2">講義ユニット責任者
Responsible Instructor</td><td>AWAI KAZUO</td><td>所属
Affiliation</td><td colspan="2">Diagnostic Radiology (内線 Ext. Number 5257)</td></tr>
<tr><td></td><td>メール
E-mail</td><td colspan="2"></td></tr>
<tr><td rowspan="2">講義ユニットコーディネーター
Lecture Coordinator</td><td>AWAI KAZUO</td><td>所属
Affiliation</td><td colspan="2">Diagnostic Radiology (内線 Ext. Number 5257)</td></tr>
<tr><td></td><td>メール
E-mail</td><td colspan="2"></td></tr>
<tr><td>授業方法
Lesson Style</td><td colspan="4">Lectures using Power Point slides.</td></tr>
<tr><td>概要
Overview</td><td colspan="4">In the Diagnostic Radiology unit, lectures will cover how to interpret diagnostic images, including radiographs and CT, MRI, and nuclear medicine scans, made differential diagnosis of representative diseases or pathologies of organ systems. In lectures on interventional radiology (IVR), a less invasive treatment option using imaging modalities, a brief explanation of basic IVR procedures and its theoretical background will be provided and the position of IVR in modern medicine will be described.</td></tr>
<tr><td>講義ユニットの到達目標
Academic Goals</td><td colspan="4">Determine diseases and pathologies for which radiography, CT, MRI, and nuclear medicine scanning is indicated.
Give an outline of diagnostic imaging of tumors.
Interpret basic image findings from CT, MRI, and angiography of brain and spinal cord diseases and list possible diagnoses.
Interpret representative image findings of heart and great vessel diseases and list possible diagnoses.
Interpret representative image findings of respiratory diseases and list possible diagnoses.
Interpret representative image findings of digestive diseases and list possible diagnoses.
Interpret representative image findings of kidney and urinary system diseases and list possible diagnoses.
Interpret representative CT and MRI findings of male genital organs (testicle, prostate) and list possible diagnoses.
Interpret representative image findings of the female pelvis and retroperitoneal organs and list possible diagnoses.
Give an outline of diagnostic imaging (mammography, ultrasonography, CT) of breast mass.</td></tr>
</table>

	Give an outline of indications for diagnostic imaging (radiography, MRI, myelography) of musculoskeletal disease. Interpret representative image findings of pediatric tumors and battered-child syndrome and list possible diagnoses. Explain interventional radiology (IVR) using imaging diagnosis procedures. Determine indications for representative IVR procedures.
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	Grading will be based on basic knowledge of images (how to interpret CT values, signal characteristics on MRI images, and etc.), knowledge of disease and pathology related to images, and logical image interpretation abilities and disease diagnosis abilities based on the aforementioned knowledge. (basic understanding and application of knowledge)
評価法 Evaluation Method	Examination in the form of a national examination. In a quarter to one-third of all the questions, actual images will be presented. Grading will also be based on class attendance.
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] *Igakusei/Kenshui-notameno Gazoshindan First Aid: Basic 222 (First Aid for Diagnostic Imaging: Basic 222 for Medical Students and Residents)*. Medical Science International