

講義ユニット名 Title of Lecture	Emergency and critical care medicine	所属科目名 Title of Course	Systemic Disease Control
講義ユニット責任者 Responsible Instructor	HIROHASHI NOBUYUKI	所属 Affiliation	Emergency and Critical Care Medicine (内線 Ext. Number 5456)
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講義ユニットコーディネーター Lecture Coordinator	IWASAKI YASUMASA	所属 Affiliation	Emergency and Critical Care Medicine (内線 Ext. Number 2031)
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授業方法 Lesson Style	Lectures using PowerPoint slides.		
概要 Overview	<p>[General instructional objective]</p> <p>Students will learn about emergency and severity assessment methods, and the mechanisms underlying different kinds of pathologies and their diagnosis and treatment so that they will be able to appropriately treat critical patients in emergency settings.</p>		
講義ユニットの到達目標 Academic Goals	<p>Explain the necessity of the establishment of a medical system and triage methods in disaster.</p> <p>Explain the significance of wide-area medical evacuation using aviation.</p> <p>Explain the objectives and indications of arterial blood gas analysis and point out some abnormal results.</p> <p>Explain the definition, classification, pathophysiology and major causes of respiratory failure.</p> <p>Explain the causes, classification and diagnosis of hypoxemia (O₂) and hypercapnia (CO₂) and give an outline of treatment options.</p> <p>Explain the classifications of head injuries.</p> <p>Explain the symptoms and diagnoses of acute epidural hematoma and subdural hematoma.</p> <p>Explain the symptoms and diagnosis of chronic subdural hematoma.</p> <p>Give an outline of treatment options of head injuries and their rehabilitation.</p> <p>Give an outline of the initial diagnosis and treatment of multiple traumas.</p> <p>Explain the symptoms, diagnosis, and treatment of anaphylaxis.</p> <p>Give an outline of drug allergies.</p> <p>Give an outline of acute poisoning and the toxicological analysis.</p> <p>Explain the symptoms, diagnosis and treatment of acute alcohol intoxication.</p> <p>Explain the pathogenesis, symptoms, diagnosis, and treatment of carbon monoxide</p>		

	<p>poisoning.</p> <p>Explain the diagnosis and treatment of poisoning by psychotropic drugs, and antipyretic analgesics.</p> <p>Give an outline of <i>fugu</i> and mushroom poisoning.</p> <p>Explain injury caused by high temperatures (heat illness).</p> <p>Explain injury caused by cold temperatures (hypothermia).</p> <p>Explain the severity of burns based on their extent (the Rule of Nine) and depth.</p> <p>Explain the change in body fluids distribution in burn patients.</p> <p>Give an outline of therapeutic strategies for burns.</p> <p>Explain the definition of sudden death and point out some diseases possibly leading to sudden death.</p> <p>Explain the definition, causes, and pathology of shock.</p> <p>List important points in diagnosing a shock patient.</p> <p>Give an outline of the treatment of shock.</p> <p>Explain the causes and pathology of dehydration.</p> <p>Explain important points in diagnosing and treating patients with dehydration.</p>
<p>講義日程 Class Schedule</p>	See the attached schedule.
<p>出席の取り扱い Class Attendance Policy</p>	<p>Attendance is taken every lecture using the Student Attendance Management System and collecting questionnaires.</p> <p>A student whose attendance is less than two-thirds of all the classes is not eligible for taking the final examination.</p>
<p>評価項目 Evaluation Item</p>	<p>Achievement level of goals (basic understanding and application of knowledge)</p>
<p>評価法 Evaluation Method</p>	Examination (in the form of a national examination)
<p>履修上のアドバ イス Advice for Taking the Lecture</p>	
<p>推奨参考書 Recommended Reference Books</p>	<p>[Reference books recommended for purchase]</p> <p><i>Hyojun Kyukyu Igaku (Standard Textbook)</i> 4th ed. Japanese Association for Acute Medicine supervised and edited by Igakushoin</p> <p>[Other references useful for this unit]</p> <p><i>Gaisho Shoki Shinryo Guideline: JATEC</i>. 3rd ed. Japanese Association for Acute Medicine, The Japanese Association for the Surgery of Trauma. Supervised and</p>

	<p>edited by Herusu Shuppan</p>
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Kamijo Y. *Rinsho Chudokugaku (Clinical Toxicology)*. Souma K. supervised and edited
by Igakushoin