

講義ユニット名 Title of Lecture	Anesthesiology and Critical Care		所属科目名 Title of Course	Systemic Disease Control
講義ユニット責任者 Responsible Instructor	KAWAMOTO MASASHI	所属 Affiliation	Anesthesiology and Critical Care (内線 Ext. Number 5265)	
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講義ユニットコーディネーター Lecture Coordinator	HAMADA HIROSHI	所属 Affiliation	Anesthesiology and Critical Care (内線 Ext. Number 5267)	
		メール E-mail		
授業方法 Lesson Style	Lectures using PowerPoint slide Printed course materials will be provided on site.			
概要 Overview	The objective is to outline basic issues in anesthesia management and pain treatment, essential for perioperative management.			
講義ユニットの到達目標 Academic Goals	<p>Explain the concept and types of anesthesia and biological reactions to anesthesia.</p> <p>Explain the types of anesthetics and perioperative medications and general rules for them.</p> <p>Explain the indications, contraindications and complications of and accidents in inhalation anesthesia and intravenous anesthesia.</p> <p>Give an outline of endotracheal/intratracheal intubation and extubation.</p> <p>Explain the indications, contraindications and complications of local anesthesia, peripheral nerve block, plexus block, spinal anesthesia, and epidural anesthesia.</p> <p>Explain the significance and methods of hemodynamics, body fluids/electrolytes, acid-base equilibrium, and blood gas analysis, and interpretation of the obtained data.</p> <p>Give an outline of malignant hyperthermia.</p> <p>Give an outline of the types and principles of major medical devices.</p> <p>Explain the objectives, indications and abnormal findings of arterial blood gas analysis and interpret obtained results.</p> <p>Give an outline of issues in the treatment of chronic pain.</p> <p>Explain the significance of the basic vital signs (temperature, respiration, pulse, blood pressure) and methods for monitoring them.</p> <p>List major postoperative complications and explain the basics to prevent them.</p> <p>List important points about informed consent to surgery.</p> <p>Give an outline of the functions and roles of an operating room and the equipment and supplies that should be on hand in an operating room.</p> <p>Explain the basics of fluid and blood transfusions in perioperative management.</p>			

	<p>Explain wound healing and factors affecting it.</p> <p>Give an outline of the roles of intensive care units.</p> <p>Give an outline of electrolyte imbalance and its correction.</p> <p>Explain the definition, pathophysiology, diagnosis of acid-base imbalance and treatment for it.</p> <p>Give an outline of the characteristics of obstetrical anesthesia.</p>
<p>講義日程 Class Schedule</p>	<p>See the attached schedule.</p>
<p>出席の取り扱い Class Attendance Policy</p>	<p>Attendance is taken every course using the Student Attendance Management System and a test is given to evaluate the level of understanding of individual students.</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>	<p>Examination (in the form of a national examination)</p>
<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] <i>Hyojun Masuikagaku (Standard Textbook)</i> 6th ed. Igakushoin</p> <p>[Other references useful for this unit] <i>Shujutsuki Kanri Team Text (Perioperative Care)</i>. Japanese Society of Anesthesiologists</p>