

武汉大学医学部基础医学院教案

课 程	Medical Immunology 医学免疫学	教 师	张秋萍	职 称	副教授	授课方式	大课(理论课) (英语或 双语讲 授)
授课内容	Cytokines, leukocyte differentiation antigens and adhesion molecules						
授课对象	临床医学和口腔和（八年制）和全英语留学生 (for 8-year Clinical Medicine and Stomatology students and foreign students)	教材	Immunology (sixth edition) by Roitt, Brostoff and Male, Harcourt Asia Pta Ltd 2001, 人民卫生出版社		授课日期	2006-2007	
学 时	2		教学地点		602		
教学目的 与要求	Understand the concept of Cytokines; Familiar with common features of cytokines; The functions of cytokines; cytokine and its clinical application concept of leukocyte differentiation antigens, CD molecules and adhesion molecules; Familiar with important CD moleculrest in immune response; Familiar with classification of cell adhesion molecules and its function in immune response; Comprehend physiological functions and pathology functions of cell adhesion molecules						
教 学 内 容			时 间 分 配		课 堂 教 学 方 法		
Cytokine 1. Concept of cytokine (CK), common feature of CK 2. Classification and biological activities of cytokines 3. Cytokines receptors 4. cytokine and its clinical application leukocyte differentiation antigens and adhesion molecules 1. Leukocyte differentiation antigen and CD molecules 2. Cell adhesion molecules 3. Clinical application of CD , adhesion molecules and its monoclonal antibody			15min 15min 10min 10min 15min 15min 15min		PPT 多媒体教学, 因 CK 内容多且抽象, 可结合临床应用介绍 本章节内容		
重 点	Concept of Cytokine; Common features of cytokines; Important CD molecules on T cells						
难 点	Cytokine receptors, ITAM, ITIM						
教学准备	Prepare PPT(多媒体课件)						
最新进展	New cytokines and chemokines and receptors						
英语词汇	Cytokine; interleukine, interferon, tumor necrosis factor, chemokine, Erythropoietin (EPO) .colony stimulating factor(CSF), leucocyte differentiation						

	antigen; adhesion molecules; cluster of differentiation
参考资料	<p>《Immunology》 for Medical Students, Editors: Roderick Marim, Matthew Helbert, Mosby, 2002</p> <p>《Medical Immunology》 Editors: Tristram G. Parslow, Daniel P. Stites., et al. tenth edition McGraw-Hill. 2001</p> <p>Textbook of Medical Immunology, Original Editors: Tristram G. Parslow et al 改编主编: Tan Jinquan 谭锦泉; Yao Kun 姚堃</p> <p>《医学免疫学》(第四版, 陈慰峰主编, 人民卫生出版社)</p> <p>《免疫学原理》第二版 周光炎主编 上海科学技术出版社</p> <p>《医学免疫学》 第二版 龚非力主编 科学出版社</p> <p>《医学免疫学精要速览》(双语版) 张秋萍, 谭锦泉主编 武汉大学出版社 2006</p> <p>《医学免疫学》 高晓明主编 高等教育出版社 2006</p> <p>《医学免疫学》 何维主编 人民卫生出版社 2005</p> <p>司传平, 2003, 医学免疫学多媒体教程, 北京: 高等教育出版社</p>
思考题	<p>1. Technical terms: CK, IL, IFN, CSF, chemokine.</p> <p>2. Questions:</p> <p>Describe the common features of cytokines;</p> <p>Describe the classification of cytokines</p> <p>Describe the common characteristic of Leukocyte differentiation antigen</p> <p>Give some examples of important CD molecules on T cells</p>
备注	