

课程详述

COURSE SPECIFICATION

以下课程信息可能根据实际授课需要或在课程检讨之后产生变动。如对课程有任何疑问，请联系授课教师。

The course information as follows may be subject to change, either during the session because of unforeseen circumstances, or following review of the course at the end of the session. Queries about the course should be directed to the course instructor.

1.	课程名称 Course Title	再生医学：创面修复 Regenerative Medicine: Wound Repair
2.	授课院系 Originating Department	医学院 School of Medicine
3.	课程编号 Course Code	MED231
4.	课程学分 Credit Value	3
5.	课程类别 Course Type	专业选修课 Major Elective Courses
6.	授课学期 Semester	秋季 Fall
7.	授课语言 Teaching Language	中英双语 English & Chinese
8.	授课教师、所属学系、联系方式 (如属团队授课，请列明其他授课教师) Instructor(s), Affiliation & Contact (For team teaching, please list all instructors)	黄跃生，医学院，13608371707 Yuesheng Huang, School of Medicine, 13608371707
9.	实验员/助教、所属学系、联系方式 Tutor/TA(s), Contact	无 NA
10.	选课人数限额(可不填) Maximum Enrolment (Optional)	

11. 授课方式 Delivery Method	讲授 Lectures	习题/辅导/讨论 Tutorials	实验/实习 Lab/Practical	其它(请具体注明) Other (Please specify)	总学时 Total
	40	8			48
学时数 Credit Hours					
12. 先修课程、其它学习要求 Pre-requisites or Other Academic Requirements	无				
13. 后续课程、其它学习规划 Courses for which this course is a pre-requisite					
14. 其它要求修读本课程的学系 Cross-listing Dept.					

教学大纲及教学日历 SYLLABUS

15. 教学目标 Course Objectives

本课程通过讲授、讨论等形式，使学生了解再生医学中创面修复的发展历史，以及创面修复的发展历史、细胞反应、微环境与修复、创面床准备的理念与方法、创面治疗的方法与选择、创面手术清创与游离皮片移植、干细胞及生物材料、无序修复与瘢痕等知识，使学生加深对创面修复知识的理解，了解创面再生修复涉及多学科知识的掌握与综合应用，提高学生利用多学科交叉知识解决创面修复及其他临床问题的兴趣。

Through lectures, tutorials, this course enables students to understand the development history of wound repair in regenerative medicine, the basic knowledge, basic theories and methods of wound repair, as well as the hotspots and difficulties in wound repair, such as cell reactions, microenvironment and repair, concept and method of wound bed preparation, methods and selection of wound treatment, surgical debridement and free skin grafting, stem cells and biomaterials, disordered repair and scar formation. Furthermore, this course also enables students to understand comprehensive application of multidisciplinary knowledge related to wound regeneration and repair, improving students' interest in utilizing interdisciplinary knowledge to solve wound repair and even other clinical problems.

16. 预达学习成果 Learning Outcomes

学生了解创面修复的基本知识，基本理论和基本方法，并能提出解决创面修复的一些初步想法。

Students understand the basic knowledge, theories, and methods of wound repair, and can propose some preliminary ideas for solving wound repair.

17. 课程内容及教学日历（如授课语言以英文为主，则课程内容介绍可以用英文；如团队教学或模块教学，教学日历须注明主讲人）

Course Contents (in Parts/Chapters/Sections/Weeks. Please notify name of instructor for course section(s), if this is a team teaching or module course.)

本课程从创面修复基本知识出发，讲述创面修复的发展历史、细胞反应、微环境与修复、创面床准备的理念与方法、创面治疗的方法与选择、创面手术清创与游离皮片移植、干细胞及生物材料、无序修复与瘢痕等知识，并通过讨论等环节使学生加深对创面修复知识的理解。

This course starts from the basic knowledge of wound repair, introduces the development history of wound repair, cell reactions, microenvironment and repair, concept and method of wound bed preparation, methods and selection of wound treatment, surgical debridement and free skin grafting, stem cells and biomaterials, disordered repair and scar formation. It then deepens students' understanding of wound repair knowledge through discussions.

(教学日历：中英双语)

Section	Topic	Hours
1	讲授 Lecture: 创面修复发展简史, 3 学时 The history of wound repair, 3 class hours	3
2	讲授 Lecture: 创面修复的基本规律, 3 学时 Basic rules of wound repair, 3 class hours	3
3	讲授 Lecture: 创面修复过程中的细胞反应, 3 学时 Cell reactions in wound repair, 3 class hours	3
4	讲授 Lecture: 创面微环境与修复, 3 学时 Wound microenvironment and repair, 3 class hours	3
5	讲授 Lecture: 创面生物电场与修复, 2 学时; 学生文献报告与讨论 1 学时 Wound bioelectric field and repair, 2 class hours; Student literature report and discussion, 1 class hour	3
6	讲授 Lecture: 急性创面诊断治疗研讨 (病例介绍与讨论), 3 学时 Discussion on diagnosis and treatment of acute wounds, 3 class hours	3
7	讲授 Lecture: 创面手术清创, 2 学时; 学生文献报告与讨论 1 学时 Surgical debridement of wounds, 2 class hours; Student literature report and discussion, 1 class hour	3
8	讲授 Lecture: 创面床准备的理念与方法, 2 学时; 学生文献报告与讨论 1 学时 Concept and method of wound bed preparation, 2 class hours; Student literature report and discussion, 1 class hour	3
9	讲授 Lecture: 创面治疗的方法与选择, 2 学时; 期中测验 1 学时 Methods and selection of wound treatment, 2 class hours; Midterm test, 1 class hour	3
10	讲授 Lecture: 创面游离皮片移植, 2 学时; 学生文献报告与讨论 1 学时 Free skin grafting, 2 class hours; Student literature report and discussion, 1 class hour	3

11	讲授 Lecture: 干细胞与创面修复, 2 学时; 学生文献报告与讨论 1 学时 Stem cells and wound repair, 2 class hours; Student literature report and discussion, 1 class hour	3
12	讲授 Lecture: 慢性创面诊断治疗研讨 (病例介绍与讨论), 3 学时 Discussion on diagnosis and treatment of chronic wounds, 3 class hours	3
13	讲授 Lecture: 创面无序修复与瘢痕, 2 学时; 学生文献报告与讨论 1 学时 Disordered wound repair and scar formation, 2 class hours; Student literature report and discussion, 1 class hour	3
14	讲授 Lecture: 瘢痕治疗研讨 (病例介绍与讨论), 3 学时 Discussion on scar treatment, 3 class hours	3
15	讲授 Lecture: 创面修复生物材料, 2 学时; 学生文献报告与讨论 1 学时 Biomaterials for wound repair, 2 class hours; Student literature report and discussion, 1 class hour	3
16	讲授 Lecture: 努力建设高水平创面修复新学科, 打造新时代中国临床医学新名片, 1 学时; 学生文献报告讨论 1 学时; 期末测验 1 学时 Strive to build a new discipline of high-level wound repair, and create a new name card of Chinese clinical medicine in new era, 1 class hour; Student literature report and discussion, 1 class hour; Final exam, 1 class hour	3

18. 教材及其它参考资料 Textbook and Supplementary Readings

1. 黄跃生, 吕国忠, 姜玉峰. 创面修复科全科医师分册, 国家卫生健康委能力建设和继续教育中心创面修复科专科能力建设专用系列教材 (第三册), 郑州: 郑州大学出版社, 2021.
2. Fu Xiaobing. Regenerative Medicine In China. Singapore : Springer Nature Singapore Pte Ltd., 2021
3. Kursad Turksen. Wound Healing stem cells repair and restorations, basic and clinical aspects. 2018, New Delhi: John Wiley & Sons, Inc.

课程评估 ASSESSMENT

19. 评估形式 Type of Assessment	评估时间 Time	占考试总成绩百分比 % of final score	违纪处罚 Penalty	备注 Notes
出勤 Attendance		10		
课堂表现 Class Performance		20		
小测验 Quiz				
课程项目 Projects				
平时作业 Assignments				

期中考试 Mid-Term Test				
期末考试 Final Exam				
期末报告 Final Presentation		70		
其它（可根据需要 改写以上评估方式） Others (The above may be modified as necessary)				

20. 记分方式 **GRADING SYSTEM**

- A. 十三级等级制 **Letter Grading**
 B. 二级记分制（通过/不通过） **Pass/Fail Grading**

课程审批 REVIEW AND APPROVAL

21. 本课程设置已经过以下责任人/委员会审议通过
This Course has been approved by the following person or committee of authority

