

교과목명	심폐물리치료학	학수번호	M2662001	이수	전선	학점	3
강의시간	월11, 수5, 수6	강의실	가천관-M614, 박애관-P306				
선수과목	Anatomy, Physiology		공학인증 이수구분				
교수소속	보건과학대학(M) 물리치료학과(M)	교수성명	이하늘	연락처			
e-mail		연구실		지도상담시간	화요일 5,6 교시		
홈페이지/카페			조교				

강의 개요

Review of pathology, etiology, and clinical manifestations of cardiopulmonary disorders commonly encountered by the physical therapist. Emphasis will be placed on ECG interpretation and assessment and practical strategies in the management of patients at risk for chronic vascular disease. Comprehensive overview of the epidemiology, risk factor identification, assessment and intervention to remediate or ameliorate risk and negative health effects of metabolic syndrome. Emphasizes evidence-based research to guide the development of assessment, prevention, and intervention strategies.

강의 목표

To provide the PT students with a practical working knowledge of:

1. The anatomy and physiological consequences of the more common cardiopulmonary diseases and disorders.
2. The role of physical therapy in cardiopulmonary disease management.
3. The application of appropriate physical therapy techniques to patients with cardiopulmonary dysfunction in a variety of settings.
4. Management of the cardiopulmonary rehab patient using a team approach.

강의 진행방법

1. The student is required to come to every class with a prepared question they have on the lecture topic as well as having completed any assigned reading. After the lecture we will review the questions to be sure they have been answered to the students' satisfaction.
2. Each lecture will accompany a case study question that the class will discuss and contribute answers to clinical scenarios based on their new knowledge of cardiopulmonary practice.

평가요소	성적 평가방법	비율
출석	지각 및 결석 시 점수를 차감함.	10
중간고사	객관식 및 주관식 점수별 차등적 평가.	25
기말고사	객관식 및 주관식 점수별 차등적 평가.	25
레포트	2회의 개인별 레포트를 제출함. 수행 정도에 따라 차등적으로 점수를 부여할 것임.	20
그룹 프로젝트	Group Presentation (Patient case study). 수행 정도에 따라 차등적으로 점수를 부여할 것임.	20
기타		0
합 계		100

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과제명 및 과제작성 방법안내	제출일	제출물 유형 및 제출방법
Assignment 1. Discussion Object : The role of Physical Therapist in Cardiac Rehabilitation	April, 8th	2-3 pages
Assignment 2. Evidence-based article review The student will be required to read and submit one evidence based article review pertinent to the topics covered. Included will be a copy of the article and one page typed review of the article. Also, student will be required to have 10-minute presentation.	May, 13th	Review form will be given

* 과제지연시 패널티 기준 : Deducting 10% for late assignments.

구분	교재명	저자	출판사	출판년도
주교재	Essentials of Cardiopulmonary Physical Therapy	Ellen Hillegss	Saunders	2011
부교재	Cardiovascular and Pulmonary Physical Therapy : Evidence to Practice	Donna Frownfelter, Elizabeth D	Mosby	2012

강의 규정 (학습자 유의사항)
1. Students are expected to attend all sessions. Call the department or instructor regarding unavoidable absence so the course instructor can be notified. The instructor must be notified of absence for any course activity. Unexcused absence affects the course grade. 2. If a student is more than 20 minutes late for a lecture they will not receive any attendance points for the class period. 3. A sign-up sheet will be in every class session and possible at the end of the lectures for the students to sign in. (Having others sign your name is a form of ACADEMIC DISHONESTY) 4. More than 4 absences may be cause for failing the course. 5. Any of dishonesty—including plagiarism, giving or obtaining information in examinations or other academic exercises, or knowingly giving false information—is unacceptable for students. 6. Assignments, including group projects must represent the original work of each student.

장애학생 지원내용
If you have special needs or need assistance, please notify the department office or course instructor immediately. Reasonable efforts will be made to accommodate your special needs.

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주차	기간	수업내용 및 학습활동						
1	03/02 ~ 03/08	Class topic : Pulmonary Anatomy & Physiology Class contents : Understand the anatomy and physiology of respiratory system. Teaching methods: Lecture o 교재와 배포된 PPT 자료를 개인적으로 준비합니다.						
2	03/09 ~ 03/15	Class topic : Pulmonary Pathology Class contents : Understand the pathology of respiratory system Teaching methods: Lecture o 교재와 배포된 PPT 자료를 개인적으로 준비합니다.						
3	03/16 ~ 03/22	Class topic : Pulmonary Evaluation Class contents : Chest Evaluation, Thoracic Palpation & Breath sounds, Percussion, Postural Drainage, Cough Training Teaching methods: Lecture o 교재와 배포된 PPT 자료를 개인적으로 준비합니다. o 실습을 위한 복장을 준비합니다.						
4	03/23 ~ 03/29	Class topic : Cardiovascular Anatomy & Physiology Class contents : Understand the anatomy and physiology of cardiovascular system Teaching methods: Lecture o 교재와 배포된 PPT 자료를 개인적으로 준비합니다.						
5	03/30 ~ 04/05	Class topic : Cardiovascular Pathology Class contents : Understand the pathology of cardiovascular system Teaching methods: Lecture o 교재와 배포된 PPT 자료를 개인적으로 준비합니다.						
6	04/06 ~ 04/12	Class topic : Cardiovascular Disease Interventions Class contents : Dysfunction vs. Failure, Medications, Medical Interventions, Pacemaker, Cardioversion Basics Teaching methods: Lecture o 교재와 배포된 PPT 자료를 개인적으로 준비합니다. o 실습을 위한 복장을 준비합니다. o Assignment 1을 제출합니다.						
7	04/13 ~ 04/19	Class topic : Cardiovascular Evaluation Class contents : Cardiovascular Examination & Evaluation and Heart Sounds Teaching methods : Lecture o 교재와 배포된 PPT 자료를 개인적으로 준비합니다. o Conduct group discussion on cardiovascular cases						
8	04/20 ~ 04/26	Mid-term						
9	04/27 ~ 05/03	Class topic : Evidence Based- Practice Class contents : Overview of the current evidence-based cardiopulmonary physical therapy Teaching methods: Lecture o 교재와 배포된 PPT 자료를 개인적으로 준비합니다.						
10	05/04 ~ 05/10	Class topic : Cardiopulmonary Pharmacology Class contents : Explain commonly used medication for cardiac conditions and mechanism of actions, commonly used rugs, and commonly seen side effects Teaching methods: Lecture o 교재와 배포된 PPT 자료를 개인적으로 준비합니다.						
11	05/11 ~ 05/17	Class contents : Overview of Electrocardiogram and learn how to read ECGs Teaching methods: Lecture & Lab o 교재와 배포된 PPT 자료를 개인적으로 준비합니다. o Assignment 2를 제출합니다.						
12	05/18 ~ 05/24	Class topic : Cardiopulmonary Physical Therapy for surgical patients and ICU patients Class contents : Identify commonly seen post-operative complications and their clinical features. Teaching methods: Lecture & Presentation o 교재와 배포된 PPT 자료를 개인적으로 준비합니다. o 1조에 포함된 학생들은 Personal Evidence-Based Review Short Presentation을 준비해 주세요.						
13	05/25 ~ 05/31	Class topic : Cardiopulmonary Physical Therapy for special population Class contents : Identify special considerations in premature infants and children, SCI patients Teaching methods: Lecture & Presentation o 교재와 배포된 PPT 자료를 개인적으로 준비합니다. o 2조에 포함된 학생들은 Personal Evidence-Based Review Short Presentation을 준비해 주세요.						
14	06/01 ~ 06/07	Class topic : Current Practice Management of Cardiovascular diseases Class contents : Etiology, Risk factors, Pathophysiology, Medical Diagnosis, Primary and secondary Impairments, Complication and Indirect Impairments, Recovery and Prognosis, Physical rehabilitation Teaching methods: Lecture, Discussion, & Presentation o 교재와 배포된 PPT 자료를 개인적으로 준비합니다. o 3조에 포함된 학생들은 Personal Evidence-Based Review Short Presentation을 준비해 주세요. o Conduct discussion on current PT practice management of cardiovascular diseases						
15	06/08 ~ 06/14	Final Presentation Project (Patient Case Study)						
16	06/15 ~ 06/21	Final-Exam						