



Acute and Emergency Care in Athletic Training is an invaluable text for students in athletic training programs. It provides them with the necessary information to examine, treat, and manage common acute injuries and illnesses.

A true account of going through UCLA's famed Daniel Freeman Paramedic Program and practicing emergency medicine on the streets of Los Angeles. Nine months of tying tourniquets and pushing new medications, of IVs, chest compressions, and defibrillator shocks that was Kevin Grange's initiation into emergency medicine when, at age thirty-six, he enrolled in the "Harvard of paramedic schools": UCLA's Daniel Freeman Paramedic Program, long considered one of the best and most intense paramedic training programs in the world. Few jobs can match the stress, trauma, and drama that a paramedic calls a typical day at the office, and few educational settings can match the pressure and competitiveness of paramedic school. Blending months of classroom instruction with ER rotations and a grueling field internship with the Los Angeles Fire Department, UCLA's paramedic program is like a mix of boot camp and med school. It would turn out to be the hardest thing Grange had ever done but also the most transformational and inspiring. An in-depth look at the trials and tragedies that paramedic students experience daily, Lights and Sirens is ultimately about the best part of humanity: people working together to help save a human life.

This workbook gives nurses and nursing students the opportunity to practice and perfect their rhythm interpretation skills on more than 600 realistic ECG strips. Introductory text offers a refresher on cardiac anatomy and physiology and ECG basics, and subsequent chapters provide in-depth coverage of each type of arrhythmia, pacemakers, and 12-lead ECGs, with scores of practice strips in each chapter.

Biomedical Signal Analysis for Connected Healthcare provides rigorous coverage on several generations of techniques, including time domain approaches for event detection, spectral analysis for interpretation of clinical events of interest, time-varying signal processing for understanding dynamical aspects of complex biomedical systems, the application of machine learning principles in enhanced clinical decision-making, the application of sparse techniques and compressive sensing in providing low-power applications that are essential for wearable designs, the emerging paradigms of the Internet of Things, and connected healthcare. Provides comprehensive coverage of biomedical engineering, technologies, and healthcare applications of various physiological signals Covers vital signals, including ECG, EEG, EMG and body sounds Includes case studies and MATLAB code for selected applications

In the highly specialized field of caring for children in the PICU, Fuhrman and Zimmerman's Pediatric Critical Care is the definitive reference for all members of the pediatric intensive care team. Drs. Jerry J. Zimmerman and Alexandre T. Rotta, along with an expert team of editors and contributors from around the world, have carefully updated the 6th Edition of this highly regarded text to bring you the most authoritative and useful information on today's pediatric critical care—everything from basic science to clinical applications. Contains highly readable, concise chapters with hundreds of useful photos, diagrams, algorithms, and clinical pearls. Uses a clear, logical, organ-system approach that allows you to focus on the development, function, and treatment of a wide range of disease entities. Features more international authors and expanded coverage of global topics including pandemics, sepsis treatment in underserved communities, specific global health concerns by region. Covers current trends in sepsis-related mortality and acute care after sepsis, as well as new device applications for pediatric patients.

Copyright code : 66ef6ff233b1426302e8175ddf1ff56b