

Copd Heterogeneity And Personalized Treatment

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AJRCCM - 2008

HANDBOOK OF BIOMARKERS AND PRECISION MEDICINE - CLAUDIO CARINI 2019-04-16

"THE FIELD OF BIOMARKERS AND PRECISION MEDICINE IN DRUG DEVELOPMENT IS RAPIDLY EVOLVING AND THIS BOOK PRESENTS A SNAPSHOT OF EXCITING NEW APPROACHES. BY PRESENTING A WIDE RANGE OF BIOMARKER APPLICATIONS, DISCUSSED BY KNOWLEDGEABLE AND EXPERIENCED SCIENTISTS, READERS WILL DEVELOP AN APPRECIATION OF THE SCOPE AND BREADTH OF BIOMARKER KNOWLEDGE AND FIND EXAMPLES THAT WILL HELP THEM IN THEIR OWN WORK." -MARIA FREIRE, FOUNDATION FOR THE NATIONAL INSTITUTES OF HEALTH *HANDBOOK OF BIOMARKERS AND PRECISION MEDICINE* PROVIDES COMPREHENSIVE INSIGHTS INTO BIOMARKER DISCOVERY AND DEVELOPMENT WHICH HAS DRIVEN THE NEW ERA OF PRECISION MEDICINE. A WIDE VARIETY OF RENOWNED EXPERTS FROM GOVERNMENT, ACADEMIA, TEACHING HOSPITALS, BIOTECHNOLOGY AND PHARMACEUTICAL COMPANIES SHARE BEST PRACTICES, EXAMPLES AND EXCITING NEW DEVELOPMENTS. THE HANDBOOK AIMS TO PROVIDE IN-DEPTH KNOWLEDGE TO RESEARCH SCIENTISTS, STUDENTS AND DECISION MAKERS ENGAGED IN BIOMARKER AND PRECISION MEDICINE-CENTRIC DRUG DEVELOPMENT. FEATURES: DETAILED INSIGHTS INTO BIOMARKER DISCOVERY, VALIDATION AND DIAGNOSTIC DEVELOPMENT WITH IMPLEMENTATION STRATEGIES LESSONS-LEARNED FROM SUCCESSFUL PRECISION MEDICINE CASE STUDIES A VARIETY OF EXCITING AND EMERGING BIOMARKER TECHNOLOGIES THE NEXT FRONTIERS AND FUTURE CHALLENGES OF BIOMARKERS IN PRECISION MEDICINE CLAUDIO CARINI, MARK FIDOCK AND ALAIN VAN GOOL ARE INTERNATIONALLY RECOGNIZED AS SCIENTIFIC LEADERS IN BIOMARKERS AND PRECISION MEDICINE. THEY HAVE WORKED FOR DECADES IN ACADEMIA AND PHARMACEUTICAL INDUSTRY IN EU, USA AND ASIA. CURRENTLY, DR. CARINI IS HONORARY FACULTY AT KINGS'S COLLEGE SCHOOL OF MEDICINE, LONDON, UK. DR. FIDOCK IS VICE PRESIDENT OF PRECISION MEDICINE LABORATORIES AT ASTRAZENECA, CAMBRIDGE, UK. PROF.DR. VAN GOOL IS HEAD

TRANSLATIONAL METABOLIC LABORATORY AT RADBOUT UNIVERSITY MEDICAL SCHOOL, NIJMEGEN, NL.

HYPOXIA AND HUMAN DISEASES - JING ZHENG 2017-02-01

THIS BOOK CONTAINS A TOTAL OF 21 CHAPTERS, EACH OF WHICH WAS WRITTEN BY EXPERTS IN THE CORRESPONDING FIELD. THE OBJECTIVE OF THIS BOOK IS TO PROVIDE A COMPREHENSIVE AND UPDATED OVERVIEW OF CELLULAR AND MOLECULAR MECHANISMS UNDERLYING HYPOXIA'S IMPACTS ON HUMAN HEALTH, AS WELL AS CURRENT ADVANCES AND FUTURE DIRECTIONS IN THE DETECTION, RECOGNITION, AND MANAGEMENT OF HYPOXIA-RELATED DISORDERS. THIS COLLECTION OF ARTICLES PROVIDES A CLEAR UPDATE IN THE AREA OF HYPOXIA RESEARCH FOR BIOMEDICAL RESEARCHERS, MEDICAL STUDENTS, NURSE PRACTITIONERS, AND PRACTICING CLINICIANS IN THE FIELDS OF HIGH ALTITUDE BIOLOGY, CARDIOVASCULAR BIOLOGY AND MEDICINE, TUMOR ONCOLOGY, OBSTETRICS, PEDIATRICS, AND ORTHODONTICS AND FOR OTHERS WHO MAY BE INTERESTED IN HYPOXIA.

ADVANCES IN PERSONALIZED NANOTHERAPEUTICS - AJEET KAUSHIK 2017-12-08

PERSONALIZED HEALTH CARE TO MANAGE DISEASES AND OPTIMIZED TREATMENT IS CRUCIAL FOR EVERYONE TO MAINTAIN HEALTH QUALITY. SIGNIFICANT EFFORTS HAVE BEEN MADE TO DESIGN AND DEVELOP NOVEL NANO-ENABLING THERAPEUTIC STRATEGIES TO CURE AND MONITOR DISEASES FOR PERSONALIZED HEALTH CARE. AS STATE-OF-THE-ART, VARIOUS STRATEGIES HAVE BEEN REPORTED TO DEVELOP PERSONALIZED NANOMEDICINE TO COMBAT AGAINST TARGET DISEASES WITH NO SIDE EFFECTS. IN THIS BOOK PROPOSAL, WE ARE TRYING TO DESCRIBE FUNDAMENTALS OF PERSONALIZED NANOMEDICINE, NOVEL NANOMATERIALS FOR DRUG DELIVERY, ROLE OF NANOTECHNOLOGY FOR EFFICIENT THERAPEUTICS APPROACH, NANO-PHARMACOLOGY, TARGETED CNS DRUG DELIVERY, STIMULI RESPONSIVE DRUG RELEASE AND NANOTECHNOLOGY FOR DISEASES MANAGEMENT. THIS BOOK WOULD SERVE AS A PLATFORM FOR NEW SCHOLARS TO UNDERSTAND STATE-OF-THE-ART OF NANOTECHNOLOGY FOR THERAPEUTICS AND DESIGNING THEIR FUTURE RESEARCH TO DEVELOP EFFECTIVE PERSONALIZED NANOMEDICINE AGAINST

TARGETED DISEASES. AS OF NOW, VARIOUS STUDIES HAVE BEEN REPORTED TO DESIGN AND DEVELOP NANOMEDICINES OF HIGHER EFFICACY BUT UNFORTUNATELY, SUCH PRODUCTS ARE UP TO LABORATORY RESEARCH ONLY AND NEED TO BE WELL-TESTED USING PRE-CLINICAL OR HUMAN MODELS. OUR BOOK WOULD BE A CALL FOR EXPERTS TO EXPLORE MULTIDISCIPLINARY RESEARCH FOR DEVELOPING NOVEL AND EFFICIENT APPROACHES TO EXPLORE SMART EFFICIENT NANOCARRIERS FOR SITE-SPECIFIC ON-DEMAND CONTROLLED DRUG DELIVERY TO COMBAT AGAINST TARGETED DISEASES TO PERSONALIZED HEALTH CARE.

CYSTIC FIBROSIS IN THE LIGHT OF NEW RESEARCH - DENNIS WAT 2015-08-24

CYSTIC FIBROSIS IN THE LIGHT OF NEW RESEARCH PROVIDES THE LATEST RESEARCH AND CLINICAL EVIDENCE THAT WILL BE USEFUL FOR CLINICIANS, SCIENTISTS AND RESEARCHERS TO FURTHER THEIR KNOWLEDGE AROUND THIS FASCINATING CONDITION. THE AUTHORS HAVE BROUGHT ALONG THEIR EXPERTISE AND WEALTH OF KNOWLEDGE TO PRODUCE THIS BOOK, INCLUDING THE BASIC SCIENCE THAT UNDERLIES THE DISEASE, THE BURDEN OF BACTERIAL AND VIRAL INFECTIONS, IMMUNOLOGIC ASPECTS OF CF, A VARIETY OF CLINICAL MEASUREMENTS TO PREDICT PROGNOSIS AND NOVEL THERAPIES INCLUDING GENE THERAPY. THIS BOOK WILL BE INVALUABLE AND ENTERTAINING FOR ANYONE WHO IS INVOLVED IN THE CARE OF PATIENTS WITH CYSTIC FIBROSIS.

TUMOR MICROENVIRONMENT (TME) AND TUMOR IMMUNE MICROENVIRONMENT (TIME): NEW PERSPECTIVES FOR PROGNOSIS AND THERAPY - ANA KARINA DE OLIVEIRA 2022-09-30

IMPROVING PATIENT CARE - RICHARD GROL 2013-03-18

AS INNOVATIONS ARE CONSTANTLY BEING DEVELOPED WITHIN HEALTH CARE, IT CAN BE DIFFICULT BOTH TO SELECT APPROPRIATE NEW PRACTICES AND TECHNOLOGIES AND TO SUCCESSFULLY ADOPT THEM WITHIN COMPLEX ORGANIZATIONS. IT IS NECESSARY TO UNDERSTAND THE CONSEQUENCES OF INTRODUCING CHANGE, HOW TO BEST IMPLEMENT NEW PROCEDURES AND TECHNIQUES, HOW TO EVALUATE SUCCESS AND TO IMPROVE THE QUALITY OF PATIENT CARE. THIS COMPREHENSIVE GUIDE ALLOWS YOU TO DO JUST THAT. IMPROVING PATIENT CARE, 2ND EDITION PROVIDES A STRUCTURE FOR PROFESSIONALS AND CHANGE AGENTS TO IMPLEMENT BETTER PRACTICES IN HEALTH CARE. IT HELPS HEALTH PROFESSIONALS, MANAGERS, POLICY MAKERS AND RESEARCHERS TO ASSESS NEW TECHNIQUES AND SELECT AND IMPLEMENT CHANGE IN THEIR ORGANIZATIONS. THIS NEW EDITION INCLUDES RECENT EVIDENCE AND FURTHER COVERAGE ON PATIENT SAFETY AND PATIENT CENTRED STRATEGIES FOR CHANGE. WRITTEN BY AN INTERNATIONAL EXPERT AUTHOR TEAM, IMPROVING PATIENT CARE IS AN ESTABLISHED STANDARD TEXT FOR POSTGRADUATE STUDENTS OF HEALTH POLICY, HEALTH SERVICES AND HEALTH MANAGEMENT. THE STRONG AUTHOR TEAM ARE GLOBAL PROFESSORS INVOLVED IN MANAGING RESEARCH AND DEVELOPMENT IN THE FIELD OF QUALITY IMPROVEMENT, EVIDENCE-BASED PRACTICE AND GUIDELINES, QUALITY ASSESSMENT AND INDICATORS TO IMPROVE PATIENT OUTCOMES THROUGH RECEIVING APPROPRIATE HEALTHCARE.

LUNG VOLUME REDUCTION SURGERY - MICHAEL ARGENZIANO 2001-10-15

A PANEL OF RECOGNIZED AUTHORITIES COMPREHENSIVELY REVIEW THE MEDICAL, SURGICAL, AND PATHOPHYSIOLOGIC ISSUES RELEVANT TO LUNG VOLUME REDUCTION SURGERY FOR EMPHYSEMA. TOPICS RANGE FROM THE OPEN TECHNIQUE AND VIDEO-ASSISTED THORACOSCOPIC APPROACHES TO LVRS, TO ANESTHETIC MANAGEMENT, TO PERIOPERATIVE AND NURSING CARE OF THE PATIENT. THE EXPERTS ALSO DETAIL THE SELECTION OF CANDIDATES FOR LVRS, THE CLINICAL RESULTS AND CLINICAL TRIALS IN LVRS, AND THE EFFECTS OF LVRS ON SURVIVAL RATES.

ASTHMA, COPD, AND OVERLAP - JONATHAN A. BERNSTEIN 2018-03-22

USING ILLUSTRATIVE CASE EXAMPLES, THIS BOOK THOROUGHLY REVIEWS SIMILARITIES AND DIFFERENCES BETWEEN ASTHMA, CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD) AND THE OVERLAP SYNDROME. IT IS IMPORTANT TO HIGHLIGHT THE DISTINCTIONS BECAUSE THESE COMMONLY ENCOUNTERED CONDITIONS IN RESPIRATORY AND PRIMARY CARE SHARE MANY SIMILARITIES BUT HAVE IMPORTANT DIFFERENCES OFTEN MISTAKEN FOR EACH OTHER. THIS CAN HAVE SERIOUS IMPLICATIONS FOR TREATMENT, PARTICULARLY AS NEW TREATMENTS ARE TARGETED AT SPECIFIC PHENOTYPES OF THE DISEASES. THIS PRACTICAL GUIDE SHOWS HOW TO DISTINGUISH BETWEEN THE DISEASES ON A PATHOLOGICAL AND CLINICAL BASIS SO THAT APPROPRIATE MANAGEMENT AND TREATMENT MAY BE PURSUED.

ROBBINS & COTRAN PATHOLOGIC BASIS OF DISEASE E-BOOK - VINAY KUMAR 2020-05-18

READABLE AND HIGHLY ILLUSTRATED, ROBBINS AND COTRAN PATHOLOGIC BASIS OF DISEASE, 10TH EDITION PRESENTS AN IN-DEPTH, STATE-OF-THE-ART OVERVIEW OF HUMAN DISEASES AND THEIR CELLULAR AND MOLECULAR BASIS. THIS BEST-SELLING TEXT DELIVERS THE LATEST, MOST ESSENTIAL PATHOLOGY KNOWLEDGE IN A READABLE, INTERESTING MANNER, ENSURING OPTIMAL UNDERSTANDING OF THE LATEST BASIC SCIENCE AND CLINICAL CONTENT. MORE THAN 1,000 HIGH-QUALITY PHOTOGRAPHS AND FULL-COLOR ILLUSTRATIONS HIGHLIGHT NEW INFORMATION IN MOLECULAR BIOLOGY, DISEASE CLASSIFICATIONS, NEW DRUGS AND DRUG THERAPIES, AND MUCH MORE. THIS SUPERB LEARNING PACKAGE ALSO INCLUDES AN ENHANCED EBOOK WITH A FULL COMPLEMENT OF ANCILLARY CONTENT ON STUDENT CONSULT. PROVIDES UNIQUELY AUTHORITATIVE AND READABLE COVERAGE, IDEAL FOR USMLE OR SPECIALTY BOARD PREPARATION, AS WELL AS FOR COURSEWORK. COVERS THE HOT TOPICS YOU NEED TO KNOW ABOUT, INCLUDING NOVEL THERAPIES FOR HEPATITIS C, CLASSIFICATION OF LYMPHOMAS, UNFOLDED PROTEIN RESPONSE, NON-APOPTOTIC PATHWAYS OF CELL DEATH, CORONAVIRUS INFECTIONS, LIQUID BIOPSY FOR CANCER DETECTION, REGULATION OF IRON ABSORPTION, CLONAL HEMATOPOIESIS AND ATHEROSCLEROSIS, THROMBOTIC MICROANGIOPATHIES, HEPARIN-INDUCED THROMBOCYTOPENIAS, INFLAMMATORY MYOPATHIES, GENETIC TOOLS FOR TREATMENT OF CYSTIC FIBROSIS, AND MANY MORE. USES AN OUTSTANDING FULL-COLOR, USER-FRIENDLY DESIGN TO SIMPLIFY YOUR STUDY AND QUICKLY DIRECT YOU TO THE INFORMATION YOU NEED TO

KNOW, WITH LEARNING FEATURES SUCH AS BOLDFACE OVERVIEWS AT THE BEGINNING OF EACH SECTION, KEY CONCEPTS BOXES, SUGGESTED READINGS, SCHEMATIC DIAGRAMS THAT ILLUSTRATE COMPLEX CONCEPTS, AND NEW GROSS AND MICROSCOPIC FIGURES FOR CLARITY OF MORPHOLOGY. BRINGS YOU UP TO DATE WITH THE LATEST INFORMATION IN MOLECULAR AND GENETIC TESTING, MECHANISMS OF DISEASE, PERSONALIZED MEDICINE AND ITS IMPACT ON TREATMENT OF HUMAN DISEASES, THE ROLE OF MICROBIOME AND METABOLOME IN NON-COMMUNICABLE DISEASES, AND MUCH MORE. PROVIDES ACCESS TO A WEALTH OF INTERACTIVE ANCILLARIES ONLINE: PATHOLOGY CASE STUDIES, VIDEOS, SELF-ASSESSMENT QUESTIONS, TARGETED THERAPY BOXES THAT DISCUSS DRUG THERAPY FOR SPECIFIC DISEASES, INTERACTIVE CASES, AND MORE. ENHANCED eBook VERSION INCLUDED WITH PURCHASE. YOUR ENHANCED eBook ALLOWS YOU TO ACCESS ALL OF THE TEXT, FIGURES, AND REFERENCES FROM THE BOOK ON A VARIETY OF DEVICES

DEVELOPING A PROTOCOL FOR OBSERVATIONAL COMPARATIVE EFFECTIVENESS RESEARCH: A USER'S GUIDE - AGENCY FOR HEALTH CARE RESEARCH AND QUALITY (U.S.) 2013-02-21

THIS USER'S GUIDE IS A RESOURCE FOR INVESTIGATORS AND STAKEHOLDERS WHO DEVELOP AND REVIEW OBSERVATIONAL COMPARATIVE EFFECTIVENESS RESEARCH PROTOCOLS. IT EXPLAINS HOW TO (1) IDENTIFY KEY CONSIDERATIONS AND BEST PRACTICES FOR RESEARCH DESIGN; (2) BUILD A PROTOCOL BASED ON THESE STANDARDS AND BEST PRACTICES; AND (3) JUDGE THE ADEQUACY AND COMPLETENESS OF A PROTOCOL. ELEVEN CHAPTERS COVER ALL ASPECTS OF RESEARCH DESIGN, INCLUDING: DEVELOPING STUDY OBJECTIVES, DEFINING AND REFINING STUDY QUESTIONS, ADDRESSING THE HETEROGENEITY OF TREATMENT EFFECT, CHARACTERIZING EXPOSURE, SELECTING A COMPARATOR, DEFINING AND MEASURING OUTCOMES, AND IDENTIFYING OPTIMAL DATA SOURCES. CHECKLISTS OF GUIDANCE AND KEY CONSIDERATIONS FOR PROTOCOLS ARE PROVIDED AT THE END OF EACH CHAPTER. THE USER'S GUIDE WAS CREATED BY RESEARCHERS AFFILIATED WITH AHRQ'S EFFECTIVE HEALTH CARE PROGRAM, PARTICULARLY THOSE WHO PARTICIPATED IN AHRQ'S DECIDE (DEVELOPING EVIDENCE TO INFORM DECISIONS ABOUT EFFECTIVENESS) PROGRAM. CHAPTERS WERE SUBJECT TO MULTIPLE INTERNAL AND EXTERNAL INDEPENDENT REVIEWS. MORE MORE INFORMATION, PLEASE CONSULT THE AGENCY WEBSITE:

WWW.EFFECTIVEHEALTHCARE.AHRQ.GOV)

IAPSM'S TEXTBOOK OF COMMUNITY MEDICINE - AM KADRI 2019-06-30

ADVANCED HPC-BASED COMPUTATIONAL MODELING IN BIOMECHANICS AND SYSTEMS BIOLOGY - MARIANO V ZQUEZ 2019-04-04

THIS eBook IS A COLLECTION OF ARTICLES FROM A FRONTIERS RESEARCH TOPIC. FRONTIERS RESEARCH TOPICS ARE VERY POPULAR TRADEMARKS OF THE FRONTIERS JOURNALS SERIES: THEY ARE COLLECTIONS OF AT LEAST TEN ARTICLES, ALL CENTERED ON A PARTICULAR SUBJECT. WITH THEIR UNIQUE MIX OF VARIED CONTRIBUTIONS FROM ORIGINAL RESEARCH TO REVIEW ARTICLES, FRONTIERS RESEARCH

TOPICS UNIFY THE MOST INFLUENTIAL RESEARCHERS, THE LATEST KEY FINDINGS AND HISTORICAL ADVANCES IN A HOT RESEARCH AREA! FIND OUT MORE ON HOW TO HOST YOUR OWN FRONTIERS RESEARCH TOPIC OR CONTRIBUTE TO ONE AS AN AUTHOR BY CONTACTING THE FRONTIERS EDITORIAL OFFICE: FRONTIERSIN.ORG/ABOUT/CONTACT.

PATIENT INVOLVEMENT IN HEALTH TECHNOLOGY ASSESSMENT - KAREN M. FACEY 2017-05-15

THIS IS THE FIRST BOOK TO OFFER A COMPREHENSIVE GUIDE TO INVOLVING PATIENTS IN HEALTH TECHNOLOGY ASSESSMENT (HTA). DEFINING PATIENT INVOLVEMENT AS PATIENT PARTICIPATION IN THE HTA PROCESS AND RESEARCH INTO PATIENT ASPECTS, THIS BOOK INCLUDES DETAILED EXPLANATIONS OF APPROACHES TO PARTICIPATION AND RESEARCH, AS WELL AS CASE STUDIES. PATIENT INVOLVEMENT IN HTA ENABLES RESEARCHERS, POSTGRADUATE STUDENTS, HTA PROFESSIONALS AND EXPERTS IN THE HTA COMMUNITY TO STUDY THESE COMPLEMENTARY WAYS OF TAKING ACCOUNT OF PATIENTS' KNOWLEDGE, EXPERIENCES, NEEDS AND PREFERENCES. PART I INCLUDES CHAPTERS DISCUSSING THE ETHICAL RATIONALE, TERMINOLOGY, PATIENT-BASED EVIDENCE, PARTICIPATION AND PATIENT INPUT. PART II SETS OUT METHODOLOGY INCLUDING: QUALITATIVE EVIDENCE SYNTHESIS, DISCRETE CHOICE EXPERIMENTS, ANALYTICAL HIERARCHY PROCESSES, ETHNOGRAPHIC FIELDWORK, DELIBERATIVE METHODS, SOCIAL MEDIA ANALYSIS, PATIENT-REPORTED OUTCOME MEASURES, PATIENTS AS COLLABORATIVE RESEARCH PARTNERS AND EVALUATION. PART III CONTAINS 15 CASE STUDIES SETTING OUT CURRENT ACTIVITIES BY HTA BODIES ON FIVE CONTINENTS, HEALTH TECHNOLOGY DEVELOPERS AND PATIENT ORGANISATIONS. EACH PART INCLUDES DISCUSSION CHAPTERS FROM LEADING EXPERTS IN PATIENT INVOLVEMENT. A FINAL CHAPTER REFLECTS ON THE NEED TO CLEARLY DEFINE THE GOALS FOR PATIENT INVOLVEMENT WITHIN THE CONTEXT OF THE HTA TO IDENTIFY THE OPTIMAL APPROACH. WITH COHESIVE CONTRIBUTIONS FROM MORE THAN 80 AUTHORS FROM A VARIETY OF DISCIPLINES AROUND THE GLOBE, IT IS HOPED THIS BOOK WILL SERVE AS A CATALYST FOR COLLABORATION TO FURTHER DEVELOP PATIENT INVOLVEMENT TO IMPROVE HTA. "IF YOU'RE NOT INVOLVING PATIENTS, YOU'RE NOT DOING HTA!" - DR. BRIAN O'ROURKE, PRESIDENT AND CEO OF CADTH, CHAIR OF INAHTA

TOXICOLOGICAL RISK ASSESSMENT AND MULTI-SYSTEM HEALTH IMPACTS FROM EXPOSURE - ARISTIDIS M. TSATSAKIS 2021-08-01

TOXICOLOGICAL RISK ASSESSMENT AND MULTISYSTEM HEALTH IMPACTS FROM EXPOSURE HIGHLIGHTS THE EMERGING PROBLEMS OF HUMAN AND ENVIRONMENTAL HEALTH ATTRIBUTABLE TO CUMULATIVE AND MULTIPLE SOURCES OF LONG-TERM EXPOSURE TO ENVIRONMENTAL TOXICANTS. THE BOOK DESCRIBES THE CELLULAR, BIOLOGICAL, IMMUNOLOGICAL, ENDOCRINOLOGIC, GENETIC, AND EPIGENETIC EFFECTS OF LONG-TERM EXPOSURE. IT EXAMINES HOW THE COMBINED EXPOSURE TO NANOMATERIALS, METALS, PHARMACEUTICALS, MULTIFREQUENCY RADIATION, DIETARY MYCOTOXINS, AND PESTICIDES ACCELERATES ECOTOXICITY IN HUMANS, ANIMALS, PLANTS, AND THE LARGER ENVIRONMENT. THE BOOK GOES ON TO ALSO OFFER INSIGHTS INTO MIXTURE

RISK ASSESSMENTS, PROTOCOLS FOR EVALUATING THE RISKS, AND HOW THIS INFORMATION CAN SERVE THE REGULATORY AGENCIES IN SETTING SAFER EXPOSURE LIMITS. THE BOOK IS A GO-TO RESOURCE FOR SCIENTISTS AND PROFESSIONALS IN THE FIELD TACKLING THE CURRENT AND EMERGING TRENDS IN MODERN TOXICOLOGY AND RISK ASSESSMENT. • BRIDGES BASIC RESEARCH WITH CLINICAL, EPIDEMIOLOGICAL, REGULATORY, AND TRANSLATIONAL RESEARCH, CONVEYING BOTH AN INTRODUCTORY UNDERSTANDING AND THE LATEST DEVELOPMENTS IN THE FIELD • EVALUATES REAL-LIFE HUMAN HEALTH RISK ASSESSMENT FOR LONG-TERM EXPOSURES TO XENOBIOTIC MIXTURES AND THE ROLE THEY PLAY IN CONTRIBUTING TO CHRONIC DISEASE • DISCUSSES ADVANCES IN PREDICTIVE (IN SILICO) TOXICOLOGY TOOLS AND THE BENEFITS OF USING OMICS TECHNOLOGIES IN TOXICOLOGY RESEARCH

TEXTBOOK OF PULMONARY REHABILITATION - ENRICO CLINI
2017-12-21

THIS BOOK PROVIDES UP-TO-DATE KNOWLEDGE ON ALL ASPECTS OF THE MULTIDISCIPLINARY APPROACH TO PULMONARY REHABILITATION THAT IS ESSENTIAL IN ORDER TO ACHIEVE OPTIMAL RESULTS. IT WILL BE AN IDEAL RESOURCE ESPECIALLY FOR PULMONOLOGISTS IN TRAINING, BUT WILL ALSO BE OF VALUE FOR PHYSIOTHERAPISTS, OTHER HEALTH CARE PROFESSIONALS, AND TECHNICIANS. DETAILED INFORMATION IS PRESENTED ON THE DIVERSE PROGRAM COMPONENTS IN PULMONARY REHABILITATION, WITH CLEAR EXPLANATION OF THE ROLES OF THE NUTRITIONIST, PSYCHOLOGIST, OCCUPATIONAL THERAPIST, RESPIRATORY NURSE, AND PHYSICAL ACTIVITY COACH. GUIDANCE IS PROVIDED ON IDENTIFICATION OF CANDIDATES FOR PULMONARY REHABILITATION AND ON ALL ASPECTS OF ASSESSMENT, INCLUDING EXERCISE CAPACITY, MUSCLE FUNCTION, AND PHYSICAL ACTIVITY. PATIENT-CENTERED, ECONOMIC, AND OTHER OUTCOMES ARE EXAMINED, WITH SEPARATE DISCUSSION OF COMBINED OUTCOME ASSESSMENT. FURTHERMORE, DUE CONSIDERATION IS GIVEN TO ORGANIZATIONAL ASPECTS OF PULMONARY REHABILITATION AND TO REHABILITATION IN SPECIFIC SCENARIOS, E.G., THORACIC ONCOLOGY AND SURGERY, TRANSPLANTATION, AND THE ICU. THE AUTHORS ARE INTERNATIONALLY RECOGNIZED EXPERTS SELECTED FOR THEIR EXPERTISE IN THE TOPICS THEY DISCUSS.

SYSTEMS MEDICINE - 2020-08-24

TECHNOLOGICAL ADVANCES IN GENERATED MOLECULAR AND CELL BIOLOGICAL DATA ARE TRANSFORMING BIOMEDICAL RESEARCH. SEQUENCING, MULTI-OMICS AND IMAGING TECHNOLOGIES ARE LIKELY TO HAVE DEEP IMPACT ON THE FUTURE OF MEDICAL PRACTICE. IN PARALLEL TO TECHNOLOGICAL DEVELOPMENTS, METHODOLOGIES TO GATHER, INTEGRATE, VISUALIZE AND ANALYZE HETEROGENEOUS AND LARGE-SCALE DATA SETS ARE NEEDED TO DEVELOP NEW APPROACHES FOR DIAGNOSIS, PROGNOSIS AND THERAPY. SYSTEMS MEDICINE: INTEGRATIVE, QUALITATIVE AND COMPUTATIONAL APPROACHES IS AN INNOVATIVE, INTERDISCIPLINARY AND INTEGRATIVE APPROACH THAT EXTENDS THE CONCEPT OF SYSTEMS BIOLOGY AND THE UNPRECEDENTED INSIGHTS THAT COMPUTATIONAL METHODS AND MATHEMATICAL MODELING OFFER OF THE INTERACTIONS

AND NETWORK BEHAVIOR OF COMPLEX BIOLOGICAL SYSTEMS, TO NOVEL CLINICALLY RELEVANT APPLICATIONS FOR THE DESIGN OF MORE SUCCESSFUL PROGNOSTIC, DIAGNOSTIC AND THERAPEUTIC APPROACHES. THIS 3 VOLUME WORK FEATURES 132 ENTRIES FROM RENOWNED EXPERTS IN THE FIELDS AND COVERS THE TOOLS, METHODS, ALGORITHMS AND DATA ANALYSIS WORKFLOWS USED FOR INTEGRATING AND ANALYZING MULTI-DIMENSIONAL DATA ROUTINELY GENERATED IN CLINICAL SETTINGS WITH THE AIM OF PROVIDING MEDICAL PRACTITIONERS WITH ROBUST CLINICAL DECISION SUPPORT SYSTEMS. IMPORTANTLY THE WORK DELVES INTO THE APPLICATIONS OF SYSTEMS MEDICINE IN AREAS SUCH AS TUMOR SYSTEMS BIOLOGY, METABOLIC AND CARDIOVASCULAR DISEASES AS WELL AS IMMUNOLOGY AND INFECTIOUS DISEASES AMONGST OTHERS. THIS IS A FUNDAMENTAL RESOURCE FOR BIOMEDICAL STUDENTS AND RESEARCHERS AS WELL AS MEDICAL PRACTITIONERS WHO NEED TO NEED TO ADOPT ADVANCES IN COMPUTATIONAL TOOLS AND METHODS INTO THE CLINICAL PRACTICE. ENCYCLOPEDIA COVERAGE: 'ONE-STOP' RESOURCE FOR ACCESS TO INFORMATION WRITTEN BY WORLD-LEADING SCHOLARS IN THE FIELD OF SYSTEMS BIOLOGY AND SYSTEMS MEDICINE, WITH EASY CROSS-REFERENCING OF RELATED ARTICLES TO PROMOTE UNDERSTANDING AND FURTHER RESEARCH AUTHORITY: THE WHOLE WORK IS AUTHORED AND EDITED BY RECOGNIZED EXPERTS IN THE FIELD, WITH A RANGE OF DIFFERENT EXPERTISE, ENSURING A HIGH QUALITY STANDARD DIGITALLY INNOVATIVE: HYPERLINKED REFERENCES AND FURTHER READINGS, CROSS-REFERENCES AND DIAGRAMS/IMAGES WILL ALLOW READERS TO EASILY NAVIGATE A WEALTH OF INFORMATION

CONTRIBUTION OF FDG TO MODERN MEDICINE, PART I, AN ISSUE OF PET CLINICS, - S[?] REN HESS 2014-10-01

THIS ISSUE OF PET CLINICS EXAMINES THE CONTRIBUTION OF FDG TO MODERN MEDICINE. IN THE FIRST OF TWO ISSUES, ARTICLES INCLUDE: THE BASIC PRINCIPLES OF FDG-PET/CT IMAGING; FDG-PET IN DIFFUSE LARGE B-CELL LYMPHOMA; FDG-PET IN THORACIC MALIGNANCIES; FDG-PET/CT IN GASTROINTESTINAL MALIGNANCIES; FDG-PET/CT IN INFECTIOUS AND INFLAMMATORY DISEASES; FDG IN UROLOGIC MALIGNANCIES; FDG-PET FOR INTERVENTIONAL ONCOLOGY IN LIVER MALIGNANCY; FDG-PET IN NEUROLOGY AND PSYCHIATRY, AND MORE!

CHRONIC OBSTRUCTIVE PULMONARY DISEASE EXACERBATIONS - JADWIGA A. WEDZICHA 2008-09-22

CHRONIC OBSTRUCTIVE PULMONARY DISEASE EXACERBATIONS COVERS THE DEFINITION, DIAGNOSIS, EPIDEMIOLOGY, MECHANISMS, AND TREATMENT ASSOCIATED WITH COPD EXACERBATIONS. THIS TEXT ALSO ADDRESSES IMAGING AND HOW IT PLAYS A PIVOTAL ROLE IN THE DIAGNOSIS AND STUDY OF EXACERBATIONS. WRITTEN BY TODAY'S TOP EXPERTS, CHRONIC OBSTRUCTIVE PULMONARY DISEASE EXACERBAT

OMICS FOR PERSONALIZED MEDICINE - DEBMALYA BARH 2013-10-14

"OMICS FOR PERSONALIZED MEDICINE" WILL GIVE TO ITS PROSPECTIVE READERS THE INSIGHT OF BOTH THE CURRENT DEVELOPMENTS AND THE FUTURE POTENTIAL OF PERSONALIZED MEDICINE. THE BOOK BRINGS INTO LIGHT HOW THE PHARMACOGENOMICS AND OMICS TECHNOLOGIES ARE BRINGING

A REVOLUTION IN TRANSFORMING THE MEDICINE AND THE HEALTH CARE SECTOR FOR THE BETTER. STUDENTS OF BIOMEDICAL RESEARCH AND MEDICINE ALONG WITH MEDICAL PROFESSIONALS WILL BENEFIT TREMENDOUSLY FROM THE BOOK BY GAINING FROM THE DIVERSE FIELDS OF KNOWLEDGE OF NEW AGE PERSONALIZED MEDICINE PRESENTED IN THE HIGHLY DETAILED CHAPTERS OF THE BOOK. THE BOOK CHAPTERS ARE DIVIDED INTO TWO SECTIONS FOR CONVENIENT READING WITH THE FIRST SECTION COVERING THE GENERAL ASPECTS OF PHARMACOGENOMIC TECHNOLOGY THAT INCLUDES LATEST RESEARCH AND DEVELOPMENT IN OMICS TECHNOLOGIES. THE FIRST SECTION ALSO HIGHLIGHTS THE ROLE OF OMICS IN MODERN CLINICAL TRIALS AND EVEN DISCUSSES THE ETHICAL CONSIDERATION IN PHARMCOGENOMICS. THE SECOND SECTION IS FOCUSING ON THE DEVELOPMENT OF PERSONALIZED MEDICINE IN SEVERAL AREAS OF HUMAN HEALTH. THE TOPICS COVERED RANGE FROM METABOLIC AND NEUROLOGICAL DISORDERS TO NON-COMMUNICABLE AS WELL AS INFECTIOUS DISEASES, AND EVEN EXPLORES THE ROLE OF PHARMACOGENOMICS IN CELL THERAPY AND TRANSPLANTATION TECHNOLOGY. THIRTY-FOUR CHAPTERS OF THE BOOK COVER SEVERAL ASPECTS OF PHARMACOGENOMICS AND PERSONALIZED MEDICINE AND HAVE TAKEN INTO CONSIDERATION THE VARIED INTEREST OF THE READERS FROM DIFFERENT FIELDS OF BIOMEDICAL RESEARCH AND MEDICINE. ADVENT OF PHARMACOGENOMICS IS THE FUTURE OF MODERN MEDICINE, WHICH HAS RESULTED FROM CULMINATION OF DECADES OF RESEARCH AND NOW IS SHOWING THE WAY FORWARD. THE BOOK IS AN HONEST ENDEAVOUR OF RESEARCHERS FROM ALL OVER THE WORLD TO DISSEMINATE THE LATEST KNOWLEDGE AND KNOWHOW IN PERSONALIZED MEDICINE TO THE COMMUNITY HEALTH RESEARCHERS IN PARTICULAR AND THE EDUCATED PUBLIC IN GENERAL.

MEDICINAL AND ENVIRONMENTAL CHEMISTRY: EXPERIMENTAL ADVANCES AND SIMULATIONS (PART II) - TAHMEENA KHAN 2021-09-02

MEDICINAL AND ENVIRONMENTAL CHEMISTRY: EXPERIMENTAL ADVANCES AND SIMULATIONS IS A COLLECTION OF TOPICS THAT HIGHLIGHT THE USE OF PHARMACEUTICAL CHEMISTRY TO ASSESS THE ENVIRONMENT OR MAKE DRUG DESIGN AND CHEMICAL TESTING MORE ENVIRONMENT FRIENDLY. THE ELEVEN CHAPTERS INCLUDED IN THE SECOND PART OF THIS BOOK SET COVER DIVERSE TOPICS, BLENDING THE FIELDS OF ENVIRONMENTAL CHEMISTRY AND MEDICINAL CHEMISTRY AND HAVE BEEN AUTHORED BY EXPERTS, SCIENTISTS AND ACADEMICIANS FROM RENOWNED INSTITUTIONS. THIS PART IS MORE SPECIALIZED IN NATURE, FOCUSING PRIMARILY ON THE EFFECTS OF AIR POLLUTION AND WATER CONTAMINATION ON HUMAN HEALTH. CHAPTERS COVERING PHARMACEUTICAL INTERVENTIONS AND POLLUTION CONTROL MEASURES, RESPECTIVELY FOLLOW THESE INITIAL TOPICS. PART II ALSO FEATURES SPECIALIZED TOPICS THAT AIM TO ADDRESS SOME UNIQUE CHALLENGES OF THE ABOVE MENTIONED PROBLEMS INCLUDING ANTIBIOTIC POLLUTION, PHARMACEUTICAL ANALYSIS OF POLLUTANTS, CHEMOSENSORS, BIOSTERIC MODIFICATIONS AND NEW DRUG DEVELOPMENT STRATEGIES AGAINST SARS-CoV2. KEY FEATURES: 1. 11 TOPICS WHICH BLEND ENVIRONMENTAL CHEMISTRY AND MEDICINAL CHEMISTRY 2. CONTRIBUTIONS FROM MORE THAN 40 EXPERTS 3. INCLUDES TOPICS COVERING EFFECTS OF AIR POLLUTION ON

HUMAN HEALTH AND DISEASE 4. INCLUDES SPECIALIZED TOPICS ON PHARMACEUTICAL ANALYSIS IN THE ENVIRONMENT, AND MODIFICATIONS OF COMPOUNDS FOR PHARMACEUTICAL PURPOSES 5. BIBLIOGRAPHIC REFERENCES THIS REFERENCE IS AN ESSENTIAL SOURCE OF INFORMATION FOR READERS AND SCHOLARS INVOLVED IN ENVIRONMENTAL CHEMISTRY, POLLUTION MANAGEMENT AND PHARMACEUTICAL CHEMISTRY COURSES AT GRADUATE AND UNDERGRADUATE LEVELS. PROFESSIONALS AND STUDENTS INVOLVED IN OCCUPATIONAL MEDICINE WILL ALSO BENEFIT FROM THE WIDE RANGE OF TOPICS COVERED.

GENOMIC AND PERSONALIZED MEDICINE - 2012-10-30
GENOMIC AND PERSONALIZED MEDICINE, SECOND EDITION — WINNER OF A 2013 HIGHLY COMMENDED BMA MEDICAL BOOK AWARD FOR MEDICINE — IS A MAJOR DISCUSSION OF THE STRUCTURE, HISTORY, AND APPLICATIONS OF THE FIELD, AS IT EMERGES FROM THE CAMPUS AND LAB INTO CLINICAL ACTION. AS WITH THE FIRST EDITION, LEADING EXPERTS REVIEW THE DEVELOPMENT OF THE NEW SCIENCE, THE CURRENT OPPORTUNITIES FOR GENOME-BASED ANALYSIS IN HEALTHCARE, AND THE POTENTIAL OF GENOMIC MEDICINE IN FUTURE HEALTHCARE. THE INCLUSION OF THE LATEST INFORMATION ON DIAGNOSTIC TESTING, POPULATION SCREENING, DISEASE SUSCEPTABILITY, AND PHARMACOGENOMICS MAKES THIS WORK AN IDEAL COMPANION FOR THE MANY STAKEHOLDERS OF GENOMIC AND PERSONALIZED MEDICINE. WITH ADVANCING KNOWLEDGE OF THE GENOME ACROSS AND OUTSIDE PROTEIN-CODING REGIONS OF DNA, NEW COMPREHENSION OF GENOMIC VARIATION AND FREQUENCIES ACROSS POPULATIONS, THE ELUCIDATION OF ADVANCED STRATEGIC APPROACHES TO GENOMIC STUDY, AND ABOVE ALL IN THE ELABORATION OF NEXT-GENERATION SEQUENCING, GENOMIC MEDICINE HAS BEGUN TO ACHIEVE THE MUCH-VAUNTED TRANSFORMATIVE HEALTH OUTCOMES OF THE HUMAN GENOME PROJECT, ALMOST A DECADE AFTER ITS OFFICIAL COMPLETION IN APRIL 2003. HIGHLY COMMENDED 2013 BMA MEDICAL BOOK AWARD FOR MEDICINE MORE THAN 100 CHAPTERS, FROM LEADING RESEARCHERS, REVIEW THE MANY IMPACTS OF GENOMIC DISCOVERIES IN CLINICAL ACTION, INCLUDING 63 CHAPTERS NEW TO THIS EDITION DISCUSSES STATE-OF-THE-ART GENOME TECHNOLOGIES, INCLUDING POPULATION SCREENING, NOVEL DIAGNOSTICS, AND GENE-BASED THERAPEUTICS WIDE AND INCLUSIVE DISCUSSION ENCOMPASSES THE FORMIDABLE ETHICAL, LEGAL, REGULATORY AND SOCIAL CHALLENGES RELATED TO THE EVOLVING PRACTICE OF GENOMIC MEDICINE CLEARLY AND BEAUTIFULLY ILLUSTRATED WITH 280 COLOR FIGURES, AND MANY THOUSANDS OF REFERENCES FOR FURTHER READING AND DEEPER ANALYSIS

RESPIRATORY MUSCLE STRENGTH TRAINING - CHRISTINE SAPIENZA 2020-12-18

RESPIRATORY MUSCLE STRENGTH TRAINING IS A CLINICAL GUIDE, INTENDED TO PROVIDE CLINICIANS WITH THE BACKGROUND INFORMATION THEY NEED TO UNDERSTAND RESPIRATORY MUSCLE STRENGTH TRAINING (RMST). WITH A VARIETY OF CASE STUDIES PROVIDED BY WELL-KNOWN AUTHORS AND CLINICIANS, THIS TEXT ACTS AS A GUIDEBOOK TO THE RMST PROTOCOL AND PROVIDES PRACTICAL INFORMATION FOR USE IN THE FIELD OF HEALTHCARE. IN

ADDITION TO REAL-WORLD CASE STUDIES, RESPIRATORY MUSCLE STRENGTH TRAINING INCLUDES A CHAPTER DEVOTED TO FREQUENTLY ASKED QUESTIONS, A REPRESENTATIVE SAMPLE OF THE DEVICES COMMONLY USED FOR RESPIRATORY TRAINING, AND INSTRUCTIONS FOR USING THEM IN PATIENT CARE.

MURRAY & NADEL'S TEXTBOOK OF RESPIRATORY MEDICINE E-BOOK - ROBERT C MASON 2015-03-17

IDEAL FOR FELLOWS AND PRACTICING PULMONOLOGISTS WHO NEED AN AUTHORITATIVE, COMPREHENSIVE REFERENCE ON ALL ASPECTS OF PULMONARY MEDICINE, MURRAY AND NADEL'S TEXTBOOK OF RESPIRATORY MEDICINE OFFERS THE MOST DEFINITIVE CONTENT ON BASIC SCIENCE, DIAGNOSIS, EVALUATION AND TREATMENT OF THE FULL SPECTRUM OF RESPIRATORY DISEASES. FULL-COLOR DESIGN ENHANCES TEACHING POINTS AND HIGHLIGHTS CHALLENGING CONCEPTS. UNDERSTAND CLINICAL APPLICATIONS AND THE SCIENTIFIC PRINCIPLES OF RESPIRATORY MEDICINE. DETAILED EXPLANATIONS OF EACH DISEASE ENTITY ALLOW YOU TO WORK THROUGH DIFFERENTIAL DIAGNOSES. KEY POINTS AND KEY READING SECTIONS HIGHLIGHT THE MOST USEFUL REFERENCES AND RESOURCES FOR EACH CHAPTER. AN EXPANDED SLEEP SECTION NOW COVERS FOUR CHAPTERS AND INCLUDES CONTROL OF BREATHING, CONSEQUENCES OF SLEEP DISRUPTION, AS WELL AS OBSTRUCTIVE AND CENTRAL APNEA. NEW CHAPTERS IN THE CRITICAL CARE SECTION COVER NONINVASIVE VENTILATION (NIV) AND EXTRACORPOREAL SUPPORT OF GAS EXCHANGE (ECMO). NEW CHAPTERS FOCUSING ON DIAGNOSTIC TECHNIQUES NOW INCLUDE INVASIVE DIAGNOSTIC IMAGING AND IMAGE-GUIDED INTERVENTIONS AND POSITRON EMISSION TOMOGRAPHY, AND A NEW CHAPTER ON THERAPEUTIC BRONCHOSCOPY HIGHLIGHTS THE INTERVENTIONAL ROLE OF PULMONOLOGISTS.

LUNG CANCER - ALBA FABIOLA COSTA TORRES
2018-10-31

AMONG THE DEADLIEST TYPE OF CANCERS, LUNG CANCER FACES SEVERAL CHALLENGES IN DIAGNOSIS AND TREATMENT: LATE DIAGNOSIS AND MISDIAGNOSIS, INADEQUATE TUMOR SAMPLING, AND RESISTANCE DEVELOPMENT TO CURRENT THERAPIES, AMONG OTHERS. TOGETHER WITH ADVANCES IN THE UNDERSTANDING OF MOLECULAR FEATURES, FACTORS, AND MECHANISMS INVOLVED IN INITIATION AND TUMOR PROGRESSION, IMPORTANT IMPROVEMENTS HAVE OCCURRED IN DIAGNOSTICS AND THERAPEUTICS IN THE SHAPE OF ADVANCES IN MOLECULAR GENOTYPING, PROCEDURES FOR SAMPLING, NEW POTENTIAL, AND LESS INVASIVE SOURCES OF SAMPLES FOR THE DIAGNOSIS AND DEVELOPMENT OF NEW TARGETED THERAPIES. THE AIM OF THIS BOOK IS TO PROVIDE AN EXCITING READ ON STRATEGIES IN THE DIAGNOSIS AND THERAPY OF LUNG CANCER.

PRECISION IN PULMONARY, CRITICAL CARE, AND SLEEP MEDICINE - JOSE L. GOMEZ 2020-01-30

THIS BOOK SERVES AS THE PRIMARY REFERENCE FOR PRECISION MEDICINE IN THE FIELDS OF PULMONARY, CRITICAL CARE AND SLEEP MEDICINE BY DOCUMENTING PRINCIPLES WRITTEN BY EXPERTS IN SEVERAL ASPECTS OF PRECISION MEDICINE. IT COMBINES FUNDAMENTAL CONCEPTS OF THE FIELD WITH STATE-OF-THE-ART STUDIES AND HOW THEY TRANSLATE INTO INDIVIDUAL PREVENTIVE, DIAGNOSTIC AND THERAPEUTIC

PLANS. PRECISION MEDICINE IS FOCUSED ON THE INTEGRATION OF INDIVIDUAL VARIABILITY WITH DISEASE PREVENTION AND TREATMENT PRINCIPLES DERIVED FROM POPULATION STUDIES. THIS CONCEPT HAS RISEN TO PROMINENCE IN RECENT YEARS IN PARALLEL WITH ADVANCES IN GENETICS, MOLECULAR DIAGNOSTICS AND NOVEL TARGET-SPECIFIC THERAPIES. THIS FUNDAMENTAL SHIFT IN THE APPROACH TO TREATMENT HAS BROAD IMPLICATIONS IN HOW WE PREVENT, DIAGNOSE AND TREAT DISEASE. DESCRIBING KEY CONCEPTS OF PRECISION MEDICINE AND RELATING THESE TO PULMONARY, CRITICAL CARE AND SLEEP DISORDERS IS ESSENTIAL TO EDUCATE RELEVANT STAKEHOLDERS AND INCREASE THE IMPACT OF PULMONARY PRECISION MEDICINE. THE BOOK IS ORGANIZED INTO SEVEN SECTIONS: INTRODUCTION; GENETICS; BIOMARKERS; PRECISE PHENOTYPING; MOBILE HEALTH, WEARABLES AND TELEMEDICINE; PRECISION THERAPEUTICS; AND ENABLING WIDESPREAD ADOPTION OF PRECISION MEDICINE. THE CHAPTERS ARE ORGANIZED WITH AN INTRODUCTION TO THE SPECIFIC THEME, FOLLOWED BY ITS BASIC CONCEPTS. THEY THEN DELVE INTO HOW THESE BASIC CONCEPTS RELATE TO THE LARGER THEME OF PRECISION MEDICINE, NEW PRECISION MEDICINE APPROACHES TO DEALING WITH THESE PROBLEMS, AND KEY TAKEAWAY POINTS. LIBERALLY ILLUSTRATED WITH IMAGES, FIGURES, AND TABLES, THE TEXT IS THOROUGH AND INTUITIVE FOR CLINICIANS AND RESEARCHERS TO LEARN THE PROCESSES AND APPLICATIONS OF PRECISION MEDICINE. THIS IS AN IDEAL GUIDE FOR CLINICIANS TO LEARN NEW PRECISION MEDICINE CONCEPTS IN THE FIELDS OF GENETICS, GENOMICS, MOBILE HEALTH, AND HOW THEY APPLY TO THEIR PRACTICE AND THEIR PATIENTS, AS WELL AS RESEARCHERS SEEKING A BASIC UNDERSTANDING OF PRECISION MEDICINE TO ASSIST IN DESIGNING FUTURE RESEARCH STUDIES.

TEXTBOOK OF PERSONALIZED MEDICINE - KEWAL K. JAIN
2015-03-17

ADVANCES IN THE TECHNOLOGY USED IN PERSONALIZED MEDICINE AND INCREASED APPLICATIONS FOR CLINICAL USE HAVE CREATED A NEED FOR THIS EXPANSION AND REVISION OF KEWAL K. JAIN'S TEXTBOOK OF PERSONALIZED MEDICINE. AS THE FIRST DEFINITIVE WORK ON THIS TOPIC, THIS BOOK REVIEWS THE FUNDAMENTALS AND DEVELOPMENT OF PERSONALIZED MEDICINE AND SUBSEQUENT ADOPTIONS OF THE CONCEPTS BY THE BIOPHARMACEUTICAL INDUSTRY AND THE MEDICAL PROFESSION. IT ALSO DISCUSSES EXAMPLES OF APPLICATIONS IN KEY THERAPEUTIC AREAS, AS WELL AS ETHICAL AND REGULATORY ISSUES, PROVIDING A CONCISE AND COMPREHENSIVE SOURCE OF REFERENCE FOR THOSE INVOLVED IN HEALTHCARE MANAGEMENT, PLANNING AND POLITICS. ALGORITHMS ARE INCLUDED AS A GUIDE TO THOSE INVOLVED IN THE MANAGEMENT OF IMPORTANT DISEASES WHERE DECISION-MAKING IS INVOLVED DUE TO THE MULTIPLE CHOICES AVAILABLE. TEXTBOOK OF PERSONALIZED MEDICINE, SECOND EDITION WILL SERVE AS A CONVENIENT SOURCE OF INFORMATION FOR PHYSICIANS, SCIENTISTS, DECISION MAKERS IN THE BIOPHARMACEUTICAL AND HEALTHCARE INDUSTRIES AND INTERESTED MEMBERS OF THE PUBLIC.

PULMONARY DISEASE: NEW INSIGHTS FOR THE HEALTHCARE PROFESSIONAL: 2013 EDITION - 2013-07-22

PULMONARY DISEASE: NEW INSIGHTS FOR THE HEALTHCARE PROFESSIONAL: 2013 EDITION IS A SCHOLARLYEDITIONS®

BOOK THAT DELIVERS TIMELY, AUTHORITATIVE, AND COMPREHENSIVE INFORMATION ABOUT DIAGNOSIS AND SCREENING. THE EDITORS HAVE BUILT PULMONARY DISEASE: NEW INSIGHTS FOR THE HEALTHCARE PROFESSIONAL: 2013 EDITION ON THE VAST INFORMATION DATABASES OF SCHOLARLYNEWS.[®] YOU CAN EXPECT THE INFORMATION ABOUT DIAGNOSIS AND SCREENING IN THIS BOOK TO BE DEEPER THAN WHAT YOU CAN ACCESS ANYWHERE ELSE, AS WELL AS CONSISTENTLY RELIABLE, AUTHORITATIVE, INFORMED, AND RELEVANT. THE CONTENT OF PULMONARY DISEASE: NEW INSIGHTS FOR THE HEALTHCARE PROFESSIONAL: 2013 EDITION HAS BEEN PRODUCED BY THE WORLD'S LEADING SCIENTISTS, ENGINEERS, ANALYSTS, RESEARCH INSTITUTIONS, AND COMPANIES. ALL OF THE CONTENT IS FROM PEER-REVIEWED SOURCES, AND ALL OF IT IS WRITTEN, ASSEMBLED, AND EDITED BY THE EDITORS AT SCHOLARLYEDITIONS.[®] AND AVAILABLE EXCLUSIVELY FROM US. YOU NOW HAVE A SOURCE YOU CAN CITE WITH AUTHORITY, CONFIDENCE, AND CREDIBILITY. MORE INFORMATION IS AVAILABLE AT [HTTP://WWW.SCHOLARLYEDITIONS.COM/](http://www.ScholarlyEditions.com/).

CYSTIC FIBROSIS - DENNIS WAT 2020-07-08

CYSTIC FIBROSIS - HETEROGENEITY AND PERSONALIZED TREATMENT PROVIDES THE LATEST RESEARCH AND CLINICAL EVIDENCE FOR CLINICIANS, SCIENTISTS AND RESEARCHERS INVOLVED IN THE CARE OF PATIENTS WITH CYSTIC FIBROSIS (CF). THIS BOOK OUTLINES THE BURDEN OF THE CF MICROBIOME, UTILISATION OF CF REGISTRIES TO IMPACT FUTURE CARE, THE SEQUELAE OF HEPATOBILIARY COMPLICATION, THE USE OF UPCOMING TECHNOLOGIES TO PROVIDE PATIENT-CENTRED CARE, AND PROVIDES AN OVERVIEW OF CYSTIC FIBROSIS TRANSMEMBRANE REGULATOR (CFTR) MODULATORS. LOOKING AFTER PATIENTS WITH CF IS HIGHLY REWARDING, ALLOWING THOSE OF US TO COMBINE OUR DEDICATION AND PROBLEM-SOLVING SKILLS TO CREATE A PERSONALIZED APPROACH. THIS BOOK IS INVALUABLE FOR THOSE INVOLVED IN THE CARE OF CF PATIENTS.

SLEEP MEDICINE: CURRENT CHALLENGES AND ITS FUTURE, AN ISSUE OF SLEEP MEDICINE CLINICS, AN ISSUE OF SLEEP MEDICINE CLINICS - BARBARA GNIDOVEC STRAZISAR 2021-07-30

THIS ISSUE OF SLEEP MEDICINE CLINICS, GUEST-EDITED BY DR. BARBARA G STRAZISAR, FOCUSES ON SLEEP MEDICINE: CURRENT CHALLENGES AND ITS FUTURE. THIS ISSUE IS ONE OF FOUR SELECTED EACH YEAR BY SERIES CONSULTING EDITORS, DR. TEOFILIO LEE-CHIONG AND ANNA C. KRIEGER. ARTICLES INCLUDE BUT ARE NOT LIMITED TO: SLEEP APNEA SERVICES DURING THE COVID-19 PANDEMICS. EXPERIENCES FROM THE SWEDISH SLEEP APNEA REGISTRY (SESAR), TELEMEDICINE IN SLEEP-DISORDERED BREATHING. EXPANDING THE HORIZONS, THE FUTURE OF SLEEP SCORING, NETWORKING AND CERTIFICATION OF SLEEP PROFESSIONALS AND SLEEP CENTRES. A NEED FOR STANDARDIZED GUIDELINES, NEW TRENDS AND NEW TECHNOLOGIES IN SLEEP MEDICINE. EXPANDING THE ACCESSIBILITY, SLEEP MEDICINE IN ELDERLY. REDUCING THE RISK OF COMORBIDITIES AT AUTUMN OF LIFE, PEDIATRIC SLEEP MEDICINE. CURRENT CHALLENGES AND ITS FUTURE, SLEEP IN NEUROLOGICAL DISORDERS AND FUTURE TRENDS IN THE TREATMENT OF NARCOLEPSY AND HYPERSOMNIAS.

CONTROVERSIES IN COPD - ANTONIO ANZUETO

2015-09-01

EDITED BY ANTONIO ANZUETO, YVONNE HEIJDRAS AND JOHN R. HURST COPD IS ONE OF THE MOST COMMON DISEASES WORLDWIDE AND IS PROJECTED TO BE THE THIRD LEADING CAUSE OF DEATH BY 2020. BUT THAT DOES NOT MEAN IT IS EASY TO UNDERSTAND OR MANAGE. IN EVERYDAY PRACTICE, PULMONOLOGISTS FACE AREAS OF CONTROVERSY IN COPD, FOR WHICH EVIDENCE-BASED MEDICINE IS OFTEN UNAVAILABLE. THIS ERS MONOGRAPH CONSIDERS WHERE THE CURRENT CONTROVERSIES IN COPD LIE, DISCUSSING AREAS SUCH AS SCREENING, PREMATURE BIRTH, ASTHMA-COPD OVERLAP SYNDROME, TREATMENT, REHABILITATION AND PALLIATIVE CARE. THIS BOOK WILL BE OF GREAT INTEREST TO BOTH CLINICIANS AND SCIENTISTS, AND AIMS TO STIMULATE FURTHER DISCUSSION ABOUT THIS DIVERSE AND FASCINATING DISEASE. "...CONTAINS A VAST AMOUNT OF INFORMATION ON THE DISEASE, ITS PREVALENCE, SIGNS AND SYMPTOMS, DIAGNOSTIC TESTS AND TREATMENT OPTIONS. THE BOOK'S FORMAT MAKES IT QUICK AND SIMPLE TO FIND OUT WHAT YOU NEED TO KNOW, AND ITS SIZE WOULD MAKE IT EASY TO TAKE TO WORK FOR USE IN PRACTICE [...] INVALUABLE FOR ANYONE WORKING WITH PATIENTS WITH THE DISEASE." EMMA VINCENT, NURSING STANDARD

PREDICTIVE MEDICINE FOR COMPLEX CHRONIC PATIENTS - CANO ISAAC 2016-01-22

THE EPIDEMICS OF NON-COMMUNICABLE DISEASES AND THE NEED FOR COST-CONTAINMENT ARE TRIGGERING A PROFOUND RESHAPING OF HEALTHCARE DELIVERY TOWARD ADOPTION OF THE CHRONIC CARE MODEL, INVOLVING DEPLOYMENT OF INTEGRATED CARE SERVICES WITH THE SUPPORT OF INFORMATION AND COMMUNICATION TECHNOLOGIES. IN THIS SCENARIO, EMERGING SYSTEMS MEDICINE, WITH A HOLISTIC MECHANISM-BASED APPROACH TO DISEASES, MAY PLAY A RELEVANT ROLE IN HEALTH RISK ASSESSMENT AND PATIENT STRATIFICATION. THE GENERAL AIM OF THIS BOOK IS TO EXPLORE THE POTENTIAL OF A SYSTEMS MEDICINE APPROACH TO IMPROVE KNOWLEDGE ON UNDERLYING MECHANISMS OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD) HETEROGENEITY, FOCUSING ON SYSTEMIC EFFECTS OF THE DISEASE AND CO-MORBIDITY CLUSTERING. THE TRANSFER OF ACQUIRED KNOWLEDGE TO HEALTHCARE IS ALSO A CORE AIM OF THE BOOK. MOREOVER, THE BOOK EXPLORES NOVEL CROSS TALKS BETWEEN BIOMEDICAL RESEARCH AND HEALTHCARE TO FOSTER DEPLOYMENT OF 4P (PREDICTIVE, PREVENTIVE, PERSONALIZED AND PARTICIPATORY) MEDICINE FOR PATIENTS WITH CHRONIC DISORDERS.

ADVANCES IN CLINICAL CHEMISTRY - GREGORY S. MAKOWSKI 2021-03-09

ADVANCES IN CLINICAL CHEMISTRY, VOLUME 101, THE LATEST INSTALLMENT IN THIS INTERNATIONALLY ACCLAIMED SERIES, CONTAINS CHAPTERS AUTHORED BY WORLD-RENOWNED CLINICAL LABORATORY SCIENTISTS, PHYSICIANS AND RESEARCH SCIENTISTS. THE SERIAL DISCUSSES THE LATEST AND MOST UP-TO-DATE TECHNOLOGIES RELATED TO THE FIELD OF CLINICAL CHEMISTRY, WITH THIS NEW RELEASE INCLUDING CHAPTERS ON EXOSOMES IN CANCER, PARATHYROID HORMONE, CLINICAL RELEVANCE OF BIOCHEMICAL AND METABOLIC CHANGES IN OSTEOARTHRITIS, EARLY DIAGNOSIS WITH ULTRASENSITIVE ELISA, CYTOKINES AND THE IMMUNE

RESPONSE IN OBESITY-RELATED DISORDERS, METABOLIC PROFILING OF ORGANIC AND FATTY ACIDS IN CHRONIC AND AUTOIMMUNE DISEASES, AND MORE. PROVIDES UPDATES ON THE MOST CURRENT TECHNOLOGIES IN CLINICAL CHEMISTRY AND CLINICAL LABORATORY SCIENCE AUTHORED BY WORLD RENOWNED CLINICAL LABORATORY SCIENTISTS, PHYSICIANS AND RESEARCH SCIENTISTS PRESENTS THE INTERNATIONAL BENCHMARK FOR NOVEL ANALYTICAL APPROACHES IN THE CLINICAL LABORATORY

SEVERE ASTHMA - YONG CHUL LEE 2017-10-30

THIS BOOK PRESENTS STATE OF THE ART KNOWLEDGE ON SEVERE ASTHMA WITH THE AIM OF PROVIDING READERS WITH A CLEAR UNDERSTANDING OF, FIRST, THE HETEROGENEITY OF THE CONDITION AND OF PATIENTS' SYMPTOM PROFILES AND RESPONSES TO THERAPY AND, SECOND, THE FUTURE IMPLICATIONS OF THIS HETEROGENEITY FOR INDIVIDUALIZED PATIENT CARE. AFTER AN OPENING SECTION THAT OFFERS AN OVERVIEW OF SEVERE ASTHMA, INCLUDING ITS CLINICAL SIGNIFICANCE, THE PATHOGENESIS, AVAILABLE DIAGNOSTIC APPROACHES, AND TREATMENT OPTIONS ARE DESCRIBED IN DETAIL. THE SECTIONS ON DIAGNOSIS AND TREATMENT COVER THE ROLE OF BIOMARKERS, THE USE OF RADIOLOGIC DIAGNOSTIC MODALITIES, AND BOTH PHARMACOLOGIC AND NON-PHARMACOLOGIC THERAPIES, INCLUDING EMERGING OPTIONS THAT WILL ADDRESS HITHERTO UNMET NEEDS OF PATIENTS. THE OUTCOMES OF CUTTING-EDGE PRECLINICAL AND CLINICAL RESEARCH ARE CAREFULLY DOCUMENTED AND NUMEROUS USEFUL TIPS PROVIDED ON PATIENT MANAGEMENT. THE INCLUSION OF MANY INFORMATIVE SCHEMATIC FIGURES WILL ASSIST READERS IN GRASPING THE CONTENTS EASILY. THE BOOK WILL BE OF HIGH VALUE FOR MEDICAL STUDENTS, RESEARCHERS, GENERAL PHYSICIANS, SPECIALISTS, AND PARAMEDICAL STAFF.

COPD - SANG-DO LEE 2017-10-10

THIS BOOK EXPLAINS HOW ANALYSIS OF THE HETEROGENEITY OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD) ENHANCES UNDERSTANDING OF THE CONDITION AND LEADS TO IMPROVED, PERSONALIZED TREATMENT. STATE OF THE ART KNOWLEDGE IS PRESENTED ON A RANGE OF ISSUES RELATED TO THE HETEROGENEITY OF COPD, SUCH AS PHENOTYPES (CLINICAL, PHYSIOLOGIC, RADIOLOGIC, ETC.), GENOTYPES, AND THE TOOLS TO BE USED FOR DISSECTING HETEROGENEITY (CT, MRI, BIOMARKERS, ETC.). ESPECIALLY MODERN RADIOLOGIC IMAGING HOLDS PROMISE IN THIS CONTEXT, AND ITS ROLE IS DESCRIBED IN DETAIL WITH THE AID OF NUMEROUS ILLUSTRATIONS. THE IMPLICATIONS OF THE HETEROGENEITY FOR PERSONALIZED TREATMENT ARE CLEARLY IDENTIFIED, WITH DESCRIPTION OF AN APPROPRIATE TAILORED TREATMENT STRATEGY FOR EACH SUBGROUP OF PATIENTS. INFORMATION IS PROVIDED ON BOTH CURRENT AND EMERGING STRATEGIES, INCLUDING BRONCHOSCOPIC LUNG VOLUME REDUCTION AND APPROACHES TO THE MANAGEMENT OF PULMONARY HYPERTENSION AND COMORBIDITIES. THIS BOOK WILL BE A GREAT ASSET IN CLINICAL PRACTICE AND RESEARCH FOR ALL WHO HAVE AN INTEREST IN COPD, A LEADING CAUSE OF MORBIDITY AND MORTALITY WORLDWIDE.

FISHMAN'S PULMONARY DISEASES AND DISORDERS, 2-VOLUME SET, SIXTH EDITION - MICHAEL A. GRIPPI 2022-10-22

THE DEFINITIVE GUIDE TO THE CLINICAL AND SCIENTIFIC ASPECTS OF PULMONARY MEDICINE—FULLY UPDATED WITH THE LATEST ADVANCES IN THE FIELD FISHMAN'S PULMONARY DISEASES AND DISORDERS DELIVERS UNPARALLELED COVERAGE OF PULMONARY MEDICINE. WITH NEARLY 2500 ILLUSTRATIONS, 60 VIDEOS, AND 22,000 REFERENCES, THIS PEERLESS, TWO-VOLUME RESOURCE PROVIDES A COMPREHENSIVE OVERVIEW OF THE SCIENTIFIC BASIS OF LUNG FUNCTION IN HEALTH AND DISEASE. YOU'LL FIND DETAILED COVERAGE OF THE BROAD ARRAY OF DISORDERS AFFECTING THE RESPIRATORY SYSTEM, INCLUDING OBSTRUCTIVE AND RESTRICTIVE DISEASES, PULMONARY VASCULAR DISORDERS, SLEEP-DISORDERED BREATHING, LUNG NEOPLASMS, RESPIRATORY INFECTIONS, AND RESPIRATORY FAILURE. IN ADDITION, YOU'LL LEARN ABOUT ALL THE LATEST ADVANCES, INCLUDING MOLECULAR DEVELOPMENT OF THE LUNG, STEM CELLS AND RESPIRATORY DISEASE, THE GENETICS OF PULMONARY DISEASE, THE GROWTH OF PERSONALIZED MEDICINE, TECHNICAL ADVANCES IN LUNG TRANSPLANTATION, AND MUCH MORE. NOTABLE NEW CONTENT IN THE 6TH EDITION INCLUDES DISCUSSION OF THE RESPIRATORY EFFECTS OF VAPING, DETAILED CONSIDERATION OF THE IDIOPATHIC INTERSTITIAL PNEUMONITIDES, STATE-OF-THE-ART DISCUSSION OF LUNG NODULES, A SUMMARY OF THE USE OF IMMUNOTHERAPY IN THE TREATMENT OF LUNG CANCER, COVID-19-RELATED LUNG DISEASE AND ITS MANAGEMENT, AND A COMPREHENSIVE DISCUSSION OF NONINVASIVE VENTILATION, INCLUDING ITS USE IN AMBULATORY AND ICU SETTINGS. IN ADDITION, NEW CHAPTERS ON CYSTIC LUNG DISEASE, LUNG CANCER SCREENING, THE LUNG MICROBIOME, DEVELOPMENTAL LUNG DISORDERS, NOCARDIOSIS AND ACTINOMYCOSIS, AND APPLICATION OF ECMO ARE INCLUDED.

TOWARD PRECISION MEDICINE - NATIONAL RESEARCH COUNCIL 2012-01-16

MOTIVATED BY THE EXPLOSION OF MOLECULAR DATA ON HUMANS—PARTICULARLY DATA ASSOCIATED WITH INDIVIDUAL PATIENTS—AND THE SENSE THAT THERE ARE LARGE, AS-YET-UNTAPPED OPPORTUNITIES TO USE THIS DATA TO IMPROVE HEALTH OUTCOMES, TOWARD PRECISION MEDICINE EXPLORES THE FEASIBILITY AND NEED FOR "A NEW TAXONOMY OF HUMAN DISEASE BASED ON MOLECULAR BIOLOGY" AND DEVELOPS A POTENTIAL FRAMEWORK FOR CREATING ONE. THE BOOK SAYS THAT A NEW DATA NETWORK THAT INTEGRATES EMERGING RESEARCH ON THE MOLECULAR MAKEUP OF DISEASES WITH CLINICAL DATA ON INDIVIDUAL PATIENTS COULD DRIVE THE DEVELOPMENT OF A MORE ACCURATE CLASSIFICATION OF DISEASES AND ULTIMATELY ENHANCE DIAGNOSIS AND TREATMENT. THE "NEW TAXONOMY" THAT EMERGES WOULD DEFINE DISEASES BY THEIR UNDERLYING MOLECULAR CAUSES AND OTHER FACTORS IN ADDITION TO THEIR TRADITIONAL PHYSICAL SIGNS AND SYMPTOMS. THE BOOK ADDS THAT THE NEW DATA NETWORK COULD ALSO IMPROVE BIOMEDICAL RESEARCH BY ENABLING SCIENTISTS TO ACCESS PATIENTS' INFORMATION DURING TREATMENT WHILE STILL PROTECTING THEIR RIGHTS. THIS WOULD ALLOW THE MARRIAGE OF MOLECULAR RESEARCH AND CLINICAL DATA AT THE POINT OF CARE, AS OPPOSED TO RESEARCH INFORMATION CONTINUING TO RESIDE PRIMARILY IN ACADEMIA. TOWARD PRECISION MEDICINE NOTES THAT MOVING TOWARD INDIVIDUALIZED

MEDICINE REQUIRES THAT RESEARCHERS AND HEALTH CARE PROVIDERS HAVE ACCESS TO VERY LARGE SETS OF HEALTH- AND DISEASE-RELATED DATA LINKED TO INDIVIDUAL PATIENTS. THESE DATA ARE ALSO CRITICAL FOR DEVELOPING THE INFORMATION COMMONS, THE KNOWLEDGE NETWORK OF DISEASE, AND ULTIMATELY THE NEW TAXONOMY.

ACUTE EXACERBATIONS OF PULMONARY DISEASES - PIERRE-RENE GISBURGEL 2017-09-01

THE FIELD OF ACUTE EXACERBATIONS IN CHRONIC RESPIRATORY DISEASE IS CHALLENGING: DEFINITIONS OF ACUTE EXACERBATIONS DIFFER AMONGST THE DISEASES AND THEIR SEVERITY HAS PROVEN DIFFICULT TO DEFINE. THE GUEST EDITORS OF THIS MONOGRAPH TACKLE THIS CHALLENGING AREA BY BRINGING TOGETHER ARTICLES FROM INTERNATIONALLY RECOGNISED EXPERTS IN THE FIELD OF ACUTE EXACERBATIONS IN CHRONIC LUNG DISEASES. THE BOOK IS SEPARATED INTO THREE SECTIONS: THE FIRST CONSIDERS THE DEFINITION, SEVERITY AND CONSEQUENCES OF EXACERBATIONS IN EACH DISEASE; THE SECOND LOOKS AT EXACERBATION TRIGGERS; AND THE THIRD DISCUSSES THE TREATMENT AND PREVENTION OF EXACERBATIONS USING PHARMACOLOGICAL AND NON-PHARMACOLOGICAL INTERVENTIONS. THE BOOK'S STRUCTURE ALLOWS COMPARISONS BETWEEN THE DEFINITIONS, SHORT- AND LONG-TERM CONSEQUENCES, TRIGGERS AND THERAPEUTIC MANAGEMENT OF DIFFERENT RESPIRATORY DISEASES. IT SERVES AS A COMPLETE REFERENCE THAT RAISES AWARENESS ABOUT THE IMPORTANCE OF ACUTE EXACERBATIONS IN PATIENTS WITH CHRONIC LUNG DISEASES.

PULMONARY REHABILITATION - CLAUDIO DONNER 2020-07-14

PULMONARY REHABILITATION PROGRAMMES ARE A FUNDAMENTAL PART OF THE CLINICAL MANAGEMENT OF PATIENTS WITH CHRONIC RESPIRATORY DISEASES. THIS COMPREHENSIVE REFERENCE BOOK PLACES PULMONARY REHABILITATION WITHIN THE WIDER FRAMEWORK OF RESPIRATORY DISEASE. NOW IN SIX PARTS, IT INCLUDES NEW SECTIONS ON THE DEVELOPMENT OF PR AS A DISCIPLINE, GLOBAL PERSPECTIVES ON QUALITY CONTROL, NEW CHAPTERS ON EARLY PR POST EXACERBATION AND PERSONALIZED REHABILITATION, INNOVATIVE APPROACHES TO EXERCISE, PR IN INTERSTITIAL LUNG DISEASE AND LUNG TRANSPLANTATION, AND THE LATEST RESEARCH INTO THE

APPLICATION OF MUSIC, DANCE AND YOGA. KEY FEATURES GLOBAL CONTRIBUTIONS COMPARE PRACTICE AROUND THE WORLD WHERE DIFFERENCES HAVE DEVELOPED. NEW SIX PART STRUCTURE COVERS NEW APPROACHES TO EXERCISE TESTING, INTERSTITIAL LUNG DISEASES AND OTHER DISEASES, AND ADD-ON INTERVENTIONS DRAWING ON NEW TECHNOLOGIES.

CONTAINS RECOMMENDATIONS OF THE LARGE COLLABORATIVE ERS/ATS TASK FORCES ON GUIDELINES FOR PR AS WELL AS SUGGESTED POLICIES FOR ITS IMPLEMENTATION AND USE.

COVERS THE IMPORTANT TOPIC OF BALANCE IMPAIRMENT AS A FOCUS OF REHABILITATION FOR THE AT-RISK PATIENT AND A NEW CHAPTER ON MONITORING PHYSICAL ACTIVITY. THE VOICES OF PATIENTS AND CAREGIVERS DESCRIBE THE IMPACT OF CHRONIC RESPIRATORY DISEASE ON THEIR LIVES. FEATURES AN EXCLUSIVE CHAPTER ON COVID-19 THAT DISCUSSES THE SHORT- AND LONG-TERM PATHOPHYSIOLOGICAL CONSEQUENCES, PROVIDES INFORMATION ABOUT THE POTENTIAL ROLE OF PHYSIOTHERAPY IN THE MANAGEMENT OF HOSPITALIZED PATIENTS WITH CONFIRMED OR SUSPECTED COVID-19, AND DETAILS ON WHO, WHERE, AND HOW TO DELIVER PROGRAMS TO COVID-19 AND NON COVID-19 PATIENTS IN THE LOCKDOWN AND POST LOCKDOWN ERA.

ABC OF COPD - GRAEME P. CURRIE 2010-11-04

CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD) IS A PROGRESSIVE, LARGELY IRREVERSIBLE LUNG CONDITION CHARACTERISED BY AIRFLOW OBSTRUCTION. ALTHOUGH CIGARETTE SMOKING IS THE SINGLE MOST IMPORTANT RISK FACTOR IN ITS DEVELOPMENT, OTHER ASSOCIATIONS AND RISK FACTORS ARE THOUGHT TO HAVE INCREASING RELEVANCE THROUGHOUT THE WORLD. COPD IS USUALLY MANAGED IN PRIMARY CARE, ALTHOUGH IT IS COMMONLY UNDER-DIAGNOSED, AND IS ONE OF THE MOST COMMON MEDICAL CONDITIONS NECESSITATING ADMISSION TO HOSPITAL. THE SECOND EDITION OF THE ABC OF COPD PROVIDES THE ENTIRE MULTIDISCIPLINARY TEAM WITH A RELIABLE, UP-TO-DATE AND ACCESSIBLE ACCOUNT OF COPD. EXTENSIVELY UPDATED BY EXPERIENCED CLINICIANS - INCLUDING NEW CHAPTERS ON SPIROMETRY, INHALERS, OXYGEN, DEATH, DYING AND END OF LIFE ISSUES - THIS ABC IS AN AUTHORITATIVE AND PRACTICAL GUIDE FOR GENERAL PRACTITIONERS, PRACTICE NURSES, SPECIALIST NURSES, MEDICAL STUDENTS, PARAMEDICAL STAFF, JUNIOR DOCTORS, NON-SPECIALIST DOCTORS AND ALL OTHER HEALTH PROFESSIONALS WORKING IN BOTH PRIMARY AND SECONDARY CARE.