

Psychiatry Oman Medical Journal

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Shaping of the Medical Profession Sep 06 2020 Traces the establishment of the Royal College of Physicians and Surgeons of Glasgow as a licensing body to its eminence as a centre of teaching in the 18th century. The text then covers the subsequent decline of the college in the 19th century with an account of how, in conjunction with Glasgow University, it re-established itself as the guarantor of high medical standards of learning and practice.

Current Issues and Emerging Trends in Medical Tourism Dec 10 2020 The era of globalization allows for more connectivity between nations and cultures. This increase in international association gives citizens more availability to take advantage of opportunities in other nations, such as medical assistance and accompanying services. *Current Issues and Emerging Trends in Medical Tourism* focuses on the emerging phenomena of international travel by patients in search of improved healthcare services and treatment, wellness programs, and complementary recreational activities. Including extensive coverage and case studies focusing on patient mobility and new opportunities for health services across borders, this authoritative reference source is essential to the needs of

healthcare providers, nonprofit organizations, students, and medical professionals seeking relevant research on the relationship between global travel and access to healthcare. This publication features innovative, research-based chapters spanning the spectrum of medical travel issues including, but not limited to, customer perceptions, ethical considerations, reproductive medicine, social media use, family caregivers, organ transplants, human trafficking, and surrogacy concerns. *Healthcare 4.0* Aug 25 2019 This book aims to demonstrate the benefits of implementing Industry 4.0 in healthcare services and to recommend a framework to support this implementation. Key topics in this book include: (1) Discovering emerging technologies and techniques to support Healthcare 4.0, this includes the Internet of Things (IOT) , Big data analytics, Blockchain, Artificial Intelligence (AI) , Optimisation and Predictive Analytics; (2) Illustrating some examples of such advanced implementation in Healthcare 4.0; (3) Recommending a development process to develop health technology start-ups and entrepreneurial activities; and (4) Discuss the transformation methodology used to redesign healthcare processes in order to overcome the challenges of implementing a Healthcare 4.0 project.

Global Patient Safety May 27 2022 This book explores patient safety themes in developed, developing and transitioning countries. A foundation premise is the concept of 'reverse innovation' as mutual learning from the chapters challenges traditional assumptions about the construction and location of knowledge. This edited collection can be seen to facilitate global learning. This book will, hopefully, form a bridge for those countries seeking to enhance their patient safety policies. Contributors to this book challenge many supposed generalisations about human societies, including consideration of how medical care is mediated within those societies and how patient safety is assured or compromised. By introducing major theories from the developing world in the book, readers are encouraged to reflect on their impact on the patient safety and the health quality debate. The development of practical patient safety policies for wider use is also encouraged. The volume presents a ground-breaking perspective by exploring fundamental issues relating to patient safety through different academic disciplines. It develops the possibility of a new patient safety and health quality synthesis and discourse relevant to all concerned with patient safety and health quality in a global context.

Practical Haemostasis for Medical Personnel Mar 13 2021 This book illustrates normal haemostasis and haemostasis disorders, including laboratory investigations related to the haemostasis system. The case scenarios were included with aim that the readers would be able to correlate with the screenings and the specialised tests offer according to the cases. These knowledge are essential for the proper approach towards definitive diagnosis and management, especially to caregivers involved in-patient management directly. This book would be a useful reference for those studying and working in the haematology field

Medical Conditions in the Athlete Jul 25 2019 *Medical Conditions in the Athlete, Third Edition With Web Study Guide*, equips health care providers with the information they need to develop a framework for decision making when working with injured and recovering athletes and active populations. The updated and streamlined third edition provides comprehensive medical information that assists health care providers and athletic trainers in recognizing and identifying underlying and potentially serious medical conditions that may affect their chosen course of treatment. The highly esteemed authors, Katie Walsh Flanagan and Micki Cuppett, have combined their professional skills and educational expertise to revitalize the content of *Medical Conditions in the Athlete, Third Edition*, with current, research-driven assessment and treatment information for medical conditions that affect the physically active population. The updated content aligns with Board of Certification (BOC) and Commission on Accreditation of Athletic Training Education (CAATE) standards. The book addresses medical conditions by body system, their mechanism of acquisition, signs, symptoms, differential diagnoses, referral, treatment, and return-to-participation criteria. The 18 comprehensive chapters are organized into three sections: Introduction to Medical Conditions, Pharmacology and Interventions, and Medical Conditions by System. Throughout the text, more than 380 updated, full-color illustrations and photographs visually enhance readers' comprehension of

anatomy, physiology, and pathophysiology. Pharmacological tables organize drugs by categories that include generic and trade names, therapeutic uses, adult dosage information, and possible adverse effects. Important terminology is highlighted throughout the chapters, and a glossary appears at the end of the text. At the beginning of the text, a Condition Finder serves as a quick reference so health care providers can easily flip to the information they need on specific conditions. Throughout the book, learning aids draw attention to important facts and figures, presented in three practical categories: • Red Flags are warning signs that health care providers should look for when working with clients. • Clinical Tips discuss information that is critically important to professionals. • Condition Highlights cover specific medical conditions common to athletes that require special attention or medical care. New to this edition is an accompanying web study guide that houses case studies corresponding to specific chapters. Each case study is followed by questions to help students apply the strategies covered in the text. Instructors who adopt the text will have access to a comprehensive collection of ancillary materials: chapter quizzes, a presentation package of slides, and an image bank that can be used to enhance presentation slides or student handouts. *Medical Conditions in the Athlete, Third Edition With Web Study Guide*, provides readers with research-driven assessment and treatment information for medical conditions that affect all types of athletes. It is a comprehensive textbook and an important reference for health care providers such as athletic trainers and physical therapists who work with active populations.

Transforming the Heart of Practice Sep 26 2019 This unique, step-by-step guide offers a comprehensive exploration of burnout and physician wellbeing, a vital issue that steadily has become widely discussed in the professional and mainstream press. More than twenty chapter authors contribute to this multidimensional volume, including physicians, psychologists, researchers, healthcare administrators, chaplains, professional coaches, and counselors. Section one of the book establishes context, provides a brief overview of the phenomenon of physician burnout, establishes its validity, and makes a case for the reason it has emerged as a critical issue in American healthcare. Section two provides a rationale for healthcare institutions (hospitals, physician groups, medical associations) to make a commitment to physician wholeness, while section three then starts the process of delineating a step-by-step curriculum to address the dilemma, providing additional detail and personal experience direct from the frontlines of combatting burnout. Section four focuses on developing and sustaining a healthy professional culture that is aligned with the mission of the organization, and section five addresses the spiritual component of physician wholeness, Section six concludes the book with two personal essays that poignantly express the nature of two common experiences affecting physicians that require uncommon insight, patience, courage. *Transforming the Heart of Practice* is a major contribution to the literature and will serve as an invaluable resource for anyone concerned with addressing this crisis in American healthcare.

Family Practice in the Eastern Mediterranean Region WHO HB SPECIAL EDITION Mar 25 2022 This is the first book to analyze in depth the current causes of shortage of family physicians and the relative weakness of the family practice model in many countries in the Eastern Mediterranean Region. Focusing on engagement with the private health sector in scaling up family practice, the book explores why primary health care can make the difference and how it can be introduced and strengthened. Comparative experiences from around the world put the EMR in context, while the book also highlights where the EMR is special - in particular, the burden for health care of refugees and displaced persons, and the need of public-private partnerships.

Medical Imaging Methods Oct 08 2020 This volume presents pedagogical content to understand theoretical and practical aspects of diagnostic imaging techniques. It provides insights to current practices, and also discusses specific practical features like radiation exposure, radiation sensitivity, signal penetration, tissue interaction, and signal confinement with reference to individual imaging techniques. It also covers relatively less common imaging methods in addition to the established ones. It serves as a reference for researchers and students working in the field of medical, biomedical science, physics, and instrumentation. Key Features • Focusses on the clinical applications while ensuring a steady understanding of the underlying science • Follows a bottom-up

approach to cover the theory, calculations, and modalities to aid students and researchers in biomedical imaging, radiology and instrumentation • Covers unique concepts of nanoparticle applications along with ethical issues in medical imaging

Data Analytics in Medicine: Concepts, Methodologies, Tools, and Applications Oct 27 2019

Advancements in data science have created opportunities to sort, manage, and analyze large amounts of data more effectively and efficiently. Applying these new technologies to the healthcare industry, which has vast quantities of patient and medical data and is increasingly becoming more data-reliant, is crucial for refining medical practices and patient care. Data Analytics in Medicine: Concepts, Methodologies, Tools, and Applications is a vital reference source that examines practical applications of healthcare analytics for improved patient care, resource allocation, and medical performance, as well as for diagnosing, predicting, and identifying at-risk populations. Highlighting a range of topics such as data security and privacy, health informatics, and predictive analytics, this multi-volume book is ideally designed for doctors, hospital administrators, nurses, medical professionals, IT specialists, computer engineers, information technologists, biomedical engineers, data-processing specialists, healthcare practitioners, academicians, and researchers interested in current research on the connections between data analytics in the field of medicine.

Columbus Medical Journal Feb 21 2022

The Columbus Medical Journal Jun 27 2022

Pacific Medical Journal Sep 30 2022

Nutrition-sensitive value chain analysis for carrot and papaya in Al Batinah North, Oman Feb 09

2021 The Sultanate of Oman is experiencing a nutrition transition, characterized by shifts in diet, lifestyle and disease burden. The National Nutrition Strategy of Oman 2014-2050 and the Sustainable Agriculture and Rural Development Strategy SARDS 2040 have emphasized the importance of adequate intake of fruits and vegetables while decreasing the consumption of energy-dense foods. FAO collaborated with the Ministry of Agriculture, Fisheries and Water Resources (MAFWR) and Zubair Small Enterprises Centre (Zubair SEC) to conduct an inclusive Nutrition Sensitive Value Chain Analysis (NSVCA). The geographical focus was on Al Batinah North, one of the main agricultural governorates in Oman. Two commodities were selected by MAFWR and the Ministry of Health based on a scoring method: papaya and carrots. This NSVCA aimed at mapping the current landscape of constraints and opportunities in supply and demand of safe and nutritious food commodities across these two value chains. It focuses on SMEs related to food and agriculture, farmer organizations, smallholders and other actors along the value chains. The NSVCA contributes mainly to SO1, SO3 and SO4 through improved knowledge of the food system in Oman and providing a variety of evidence based intervention and investment opportunities along the value chain. The findings will allow decision-makers to identify specific policy interventions which will leverage the potential of these value chains for both income generation and better nutrition outcomes.

Shaping the Future of Child and Adolescent Mental Health Apr 25 2022 Shaping the Future of

Child and Adolescent Mental Health: Towards Technological Advances and Service Innovations coincides with the 25th International Association for Child and Adolescent Psychiatry and Allied Professions (IACAPAP) Congress in Dubai from December 5-9, 2022. There are three overarching themes of this book. Firstly, the impact of the Internet and digital technologies on the mental health and well-being of children and adolescents, including computerized therapies, and the fundamental role of technologies to advance knowledge in the field. Secondly, a theme on harnessing the expansion of knowledge on psychiatric disorders and their treatment for children and adolescents, exemplified by chapters on different kinds of adversity in child and adolescent mental health and a chapter on precision therapeutics. Given the location of the IACAPAP Congress, the third theme focuses on aspects of child and adolescent mental health in the Eastern Mediterranean Region. Chapters provide insights into a broad range of contemporary technology- and service innovation-related topics in child and adolescent psychiatry and mental health. These include growing up in the digital age, cyberbullying, clinical applications of big data and machine learning, computerized cognitive behavioral therapy, technology- enhanced learning, lessons from COVID-19,

new understanding of the consequences of psychological trauma, autoimmune encephalitis, and precision therapeutics in depression. Acknowledging the global challenge of child and adolescent psychiatry and mental health, readers will find an emphasis on contextual challenges in the field, including innovations for scaling up of mental health intervention in low- and middle-income countries, and research and training in the Eastern Mediterranean Region. Emphasizes digital influences and applications in child and adolescent mental health research, psychiatric treatments, and training Highlights children and adolescents in adversity including COVID-19 and psychological trauma Appraises new approaches to understanding selected psychiatric disorders in children and adolescents Addresses the research in child and adolescent psychiatry and mental health across the Eastern Mediterranean Region and training in the Gulf Region

Handbook of Oral Pathology and Oral Medicine Dec 22 2021 Handbook of Oral Pathology and Oral Medicine Discover a concise overview of the most common oral diseases in a reader-friendly book Handbook of Oral Pathology and Oral Medicine delivers a succinct overview of a range of oral diseases. The book contains up-to-date evidence-based information organized by clinical topic and supported by over 300 clinical, radiological, and microscopic images. Each chapter includes topics following universally respected curricula of oral pathology and oral medicine. Divided into seven parts, it covers core topics such as pathology of teeth, pulp, and supporting structures, pathology of jawbones, pathology of the oral mucosa, pathology of the salivary glands, clinical presentation of mucosal disease, orofacial pain, and miscellaneous topics of clinical relevance. Written for undergraduate dental students, dental hygienists and oral health therapists, Handbook of Oral Pathology and Oral Medicine is an ideal quick reference and is also useful to dental educators and practitioners.

Regional Overview of Food Security and Nutrition in the Near East and North Africa 2019 Apr 13 2021 The past few decades have seen dramatic improvements in the region in access to food, reduction in stunting rates, in premature death and disability caused by communicable, maternal, neonatal, and nutritional diseases. However, the gains in the fight against hunger and malnutrition have reversed in the wake of conflicts and violence that have spread in many parts of the region in the last decade. Today, nearly 55 million people in the Arab States, 13.2 percent of the population, are hungry and the situation is particularly worrying in countries affected by conflicts and violence: Iraq, Libya, Somalia, Syria, Sudan, and Yemen. Displacements and forced migration are widespread in the region, especially among the growing youth population segment. Many countries carry a double burden of malnutrition, including overweight and obesity and undernutrition. A high or very high prevalence of stunting in children under the age of five persists in nearly half of the Arab States, while anaemia is a severe public health issue in certain countries. The trends of overweight and obesity continue to worsen for children and adults. Beyond these numbers, the report explores food systems in the Arab States and the policies that support them. It also explores how the latter have contributed to poor nutritional outcomes by failing to make safe and diversified healthy diets available to all. While there has been significant progress in policies designed to reduce caloric deficiencies in the population, the policy reaction to address existing malnutrition problems, particularly in relation to overweight and obesity,

Encyclopedia of Forensic and Legal Medicine Jun 23 2019 Encyclopedia of Forensic and Legal Medicine, Volumes 1-4, Second Edition is a pioneering four volume encyclopedia compiled by an international team of forensic specialists who explore the relationship between law, medicine, and science in the study of forensics. This important work includes over three hundred state-of-the-art chapters, with articles covering crime-solving techniques such as autopsies, ballistics, fingerprinting, hair and fiber analysis, and the sophisticated procedures associated with terrorism investigations, forensic chemistry, DNA, and immunoassays. Available online, and in four printed volumes, the encyclopedia is an essential reference for any practitioner in a forensic, medical, healthcare, legal, judicial, or investigative field looking for easily accessible and authoritative overviews on a wide range of topics. Chapters have been arranged in alphabetical order, and are written in a clear-and-concise manner, with definitions provided in the case of obscure terms and

information supplemented with pictures, tables, and diagrams. Each topic includes cross-referencing to related articles and case studies where further explanation is required, along with references to external sources for further reading. Brings together all appropriate aspects of forensic medicine and legal medicine Contains color figures, sample forms, and other materials that the reader can adapt for their own practice Also available in an on-line version which provides numerous additional reference and research tools, additional multimedia, and powerful search functions Each topic includes cross-referencing to related articles and case studies where further explanation is required, along with references to external sources for further reading

Gender Equity in the Medical Profession Jan 29 2020 The presence of women in the practice of medicine extends back to ancient times; however, up until the last few decades, women have comprised only a small percentage of medical students. The gradual acceptance of women in male-dominated specialties has increased, but a commitment to improving gender equity in the medical community within leadership positions and in the academic world is still being discussed. Gender Equity in the Medical Profession delivers essential discourse on strategically handling discrimination within medical school, training programs, and consultancy positions in order to eradicate sexism from the workplace. Featuring research on topics such as gender diversity, leadership roles, and imposter syndrome, this book is ideally designed for health professionals, doctors, nurses, hospital staff, hospital directors, board members, activists, instructors, researchers, academicians, and students seeking coverage on strategies that tackle gender equity in medical education.

Perspectives on Medical English As a Lingua Franca Jun 03 2020 This edited volume brings together diverse international perspectives on the growing worldwide phenomenon of Medical English as a lingua franca, where speakers of other first languages use English as a vehicle for medical communication. A subset of the larger field of English as a Lingua Franca (ELF), only a handful of studies of healthcare ELF communication have been published previously, despite its global expansion and potential impacts upon quality healthcare and patient safety. This book is inherently interdisciplinary nature, intersecting fields such as applied linguistics, English langua.

Maryland Medical Journal Jul 17 2021

The Neuroscience of Zika Virus Dec 30 2019 Zika Virus Biology, Transmission, and Pathology: The Neuroscience of Zika provides a detailed introduction to the molecular biology of the Zika virus and its features, transmission, and impact on neurological systems. Designed to better readers' understanding of the Zika virus, this volume features chapters on the immune response, molecular mechanisms, and other areas to better understand underlying pathways. This book has applicability for neuroscientists, neurologists, virologists and anyone working to better understand the evolution and pathogenesis of Zika virus-related conditions. Zika Virus Impact, Diagnosis, Control, and Models: The Neuroscience of Zika examines diagnosis, vaccines, and potential therapy methods for Zika virus syndrome. The book also details the neuroscience of Guillain-Barré syndrome, its effects and neuromuscular rehabilitation. It is designed to help readers better understand detection, therapies for Zika virus, preventative vaccines, diagnosis and associated microcephaly. Chapters on models enable further research and understanding. This book has applicability for neuroscientists, neurologists, virologists and anyone working to better understand the evolution and pathogenesis of Zika virus-related conditions. Zika Virus Biology, Transmission, and Pathology: Presents the most comprehensive coverage of a broad range of topics related to the neuroscience of Zika, including transmission and virus biology Contains an abstract, key facts, a mini dictionary of terms, and summary points to aid in understanding in each chapter Features chapters on Zika vectors and fetal imaging Includes coverage of microcephaly and developmental delays and examines Zika outbreaks in Brazil, Puerto Rico and India Discusses unique topics in Zika biology, associated neuro-inflammation, and impacts on neurological systems Zika Virus Impact, Diagnosis, Control, and Models: Provides a broad range of topics related to the neuroscience of Zika, including its diagnosis, vaccines and therapy Contains chapter abstracts, key facts, a dictionary of terms and summary points to aid in understanding Discusses novel and non-pharmacological therapies, Guillain-Barré Syndrome and vaccine development Features chapters on rat, mouse, and guinea pig models of Zika

and case reports of Zika co-infection with chikungunya, dengue-2 and Guillain-Barré Includes coverage of microcephaly and developmental delays and examines Zika outbreaks in Brazil, Honduras, Uganda, Jamaica and Mozambique

The Woman's Medical Journal Aug 30 2022

Boston Medical and Surgical Journal Sep 18 2021

Zika Virus Biology, Transmission, and Pathways Nov 28 2019 *Zika Virus Biology, Transmission, and Pathways: The Neuroscience of Zika, Volume One* provides a detailed introduction to the molecular biology of the Zika virus and its features, transmission, and impact on neurological systems.

Designed to better readers' understanding of the Zika virus, this volume features chapters on the immune response, molecular mechanisms, and other areas to better understand underlying pathways. This book has applicability for neuroscientists, neurologists, virologists and anyone working to better understand the evolution and pathogenesis of Zika virus-related conditions. Presents the most comprehensive coverage of a broad range of topics related to the neuroscience of Zika, including transmission and virus biology Contains an abstract, key facts, a mini dictionary of terms, and summary points to aid in understanding in each chapter Features chapters on Zika vectors and fetal imaging Includes coverage of microcephaly and developmental delays and examines Zika outbreaks in Brazil, Puerto Rico and India Discusses unique topics in Zika biology, associated neuro-inflammation, and impacts on neurological systems

International Perspectives on Mental Health Jan 23 2022 ... Is a unique collection of authoritative briefings from over 90 countries around the world. Each chapter covers a particular country's demographics, mental health resources, undergraduate education, postgraduate training in psychiatry, research activities, mental health legislation, and policy and development strategies.

Caring for the Vulnerable Nov 01 2022 « *Caring for the Vulnerable Perspectives in Nursing Theory, Practice, and Research, Fourth Edition* explores vulnerability from the perspective of individuals, groups, communities, and populations. The text specifically addresses how vulnerability affects the field of nursing and its care givers and focuses on how to work with these populations. Written from a global perspective, the Fourth Edition provides an overview of treatments and issues as well presents a basic structure for caring for the vulnerable with the ultimate goal of providing culturally competent care. »--

Regenerative Medicine for Degenerative Muscle Diseases May 03 2020 This book compiles and explores cutting-edge research in degenerative skeletal disorders, such as Duchenne muscular dystrophy and congenital myopathy, and new stem-cell based therapies and gene replacement therapy. Twelve expertly-authored chapters navigate the nuances of these treatments in an array of contexts and biological systems. The topics covered include: How are urine cells from a patient with Duchenne muscular dystrophy transformed into beating heart cells? What can reprogrammed cells tell us about heart muscle failure? What do gene mutations mean for those born with a muscle disease? How are manufacturing methods applied to human stem cells? Does therapeutic exercise benefit those patients who receive engineered limb muscle? Is there practical advice about nutrition to enhance muscle function for the Duchenne patient? Can microRNAs be useful to regenerate diseased muscle? *Regenerative Medicine for Degenerative Muscle Diseases* is ideal for scientists and clinicians from varying disciplines in genetics, cell biology, virology, cell-based manufacturing, rehabilitation medicine, nutrition, veterinary medicine and neurosurgery. The reader will see how transformative changes occur in medicine that can powerfully impact the future for patients suffering from inherited disorders affecting muscles of the body, including the heart.

Organizational Stress Around the World Jul 29 2022 Stress is defined as a feeling experienced when a person perceives that demands exceed the personal and social resources the individual is able to mobilize. It can occur due to environmental issues, such as a looming work deadline, or psychological, for example, persistent worry about familial problems. While the acute response to life-threatening circumstances can be life-saving, research reveals that the body's stress response is largely similar when it reacts to less threatening but chronically present stressors such as work overload, deadline pressures and family conflicts. It is proffered that chronic activation of stress

response in the body can lead to several pathological changes such as elevated blood pressure, clogging of blood vessels, anxiety, depression, and addiction. *Organizational Stress Around the World: Research and Practice* aims to present a sound theoretical and empirical basis for understanding the evolving and changing nature of stress in contemporary organizations. It presents research that expands theory and practice by addressing real-world issues, across cultures and by providing multiple perspectives on organizational stress and research relevant to different occupational settings and cultures. Personal, occupational, organizational, and societal issues relevant to stress identification along with management techniques/approach to confront stress and its associated problems at individual and organizational level are also explored. It will be of value to researchers, academics, practitioners, and students interested in stress management research.

Transforming Public Health in Developing Nations Jan 11 2021 The rise of globalized business has created a world village wherein ideas and industry transcend national boundaries. Unfortunately, the resulting increase in travel has accelerated the transmission of diseases, generating a surge in worldwide epidemics and increasing the necessity of innovative strategies for prevention, containment, and communication related to global health issues. *Transforming Public Health in Developing Nations* showcases the latest developments, trends, and challenges within the field of international public health. Featuring empirical studies, case studies, reviews, and discussion notes, this authoritative text highlights diverse, important global health issues, making it an essential resource for professionals, researchers, and academics seeking insight on the latest developments in contemporary healthcare. This reference work highlights a broad scope of current issues including global epidemics, worldwide health systems, mental health issues in developing nations, barriers to healthcare, sanitation and infection, cultural diversity in healthcare administration, cultural perceptions of reproductive health issues, international health costs and budgets, and health information technology.

Extended Reality for Healthcare Systems Jul 05 2020 *Extended Reality for Healthcare Systems: Recent Advances in Contemporary Research* focuses on real world applications in medicine, also providing an overview of emerging technologies. The book includes case studies that break down the ways in which this technology has and can be used, while also taking readers through evidence, best practices and obstacles. Sections emphasize evidence, research-based practices and work. Content coverage includes *Enhancing Medical Education with AR/VR, and XR: The Future of Surgery and Building Systems for Enhanced Health*, and more. Readers will learn how to use this technology to improve existing systems by enhancing precision and reducing costs. Other sections cover extended reality in elderly care and remote monitoring of patients, building systems for enhanced health, including telehealth and telepsychiatry, using AR and VR in medical education, and designing technology for use in telesurgery. Offers advice on the development of state-of-the-art tech-driven healthcare systems and technologies for improving the quality of healthcare Focuses on healthcare solutions that are inclusive and cost-effective Discusses the future, limitations and challenges associated with the use and adoption of XR for healthcare

New Developments in Eating Disorders Research Aug 18 2021 The abundance of food in the developed countries of the world has seemingly spawned an epidemic of disorders connected to the food. Extremes such as intensive concern about one's body image and total disregard for it have resulted in countries which contain enormous segments of the population who are either obese and proud of it or bordering on anorexia nervosa. This new book gathers state-of-the-art research from leading scientists throughout the world which offers important information on understanding the underlying causes and discovering the most effective treatments for eating disorders.

Major Challenges Facing Higher Education in the Arab World: Quality Assurance and Relevance Apr 01 2020 This book focuses on two crucial issues that need to be addressed as a matter of urgency by universities in the Arab region, namely (a) conducting independent assessments of the quality of their teaching, research, administration, governance, and planning; and (b) determining the relevance of their teaching, research, and societal impacts. Although well-established around the world in manufacturing industries and private-sector service industries, including the research and

commercialisation arms of the major universities and research institutes, it is only in recent years that quality-assurance (QA) assessments have started to be applied to most aspects education. Several Arab universities are adopting various forms of QA but some variants are little more than bureaucratic “box-ticking” exercises with minimal commitment by staff to the ultimate aim of continuing self-improvement. This book will be of interest to senior management at faculty and departmental level and above in all Arab universities specifically, and more generally in Islamic institutions of higher education. Senior management in other universities, especially in the developing world will benefit from its analyses and recommendations.

Next Generation Healthcare Informatics Mar 01 2020 This edited book provides information on emerging fields of next-generation healthcare informatics with a special emphasis on emerging developments and applications of artificial intelligence, deep learning techniques, computational intelligence methods, Internet of medical things (IoMT), optimization techniques, decision making, nanomedicine, and cloud computing. The book provides a conceptual framework and roadmap for decision-makers for this transformation. The chapters involved in this book cover challenges and opportunities for diabetic retinopathy detection based on deep learning applications, deep learning accelerators in IoT and IoMT, health data analysis, deep reinforcement-based conversational AI agent in healthcare systems, examination of health data performance, multisource data in intelligent medicine, application of genetic algorithms in health care, mental disorder, digital healthcare system with big data analytics, encryption methods in healthcare data security, computation and cognitive bias in healthcare intelligence and pharmacogenomics, guided imagery therapy, cancer detection and prediction techniques, medical image processing for coronavirus, and imbalance learning in health care.

Charlotte Medical Journal Nov 20 2021

Mobile Health Applications for Quality Healthcare Delivery Aug 06 2020 One of the central engines of the current shift towards decentralization and reorientation of healthcare services is mobile healthcare (mHealth). mHealth offers unique opportunities to reduce cost, increase efficiencies, and improve quality and access to healthcare. However, the full impact of mHealth is just beginning to be felt by the medical community and requires further examination to understand the full range of benefits it contributes to medical staff and patients. Mobile Health Applications for Quality Healthcare Delivery explores the emergence of mHealth in the healthcare setting and examines its impact on patient-centered care, including how it has reshaped access, quality, and treatment. Highlighting topics such as patient management, emergency medicine, and health monitoring, this publication supports e-health systems designers in understanding how mobile technologies can best be used for the benefit of both doctors and their patients. It is designed for healthcare professionals, administrators, students, health services managers, and academicians.

International Disaster Health Care Jun 15 2021 This title includes a number of Open Access chapters. International Disaster Health Care: Preparedness, Response, Resource Management, and Education provides a complete image of the needs, concerns, and insights that relate to disaster preparedness from an international health-care perspective. The United Nations has recognized the devastating consequences of "unpredictable, unpreventable and impersonal" disasters—at least US \$2 trillion in economic damage and more than 1.3 million lives lost from natural disasters in the last two decades alone. In many disasters (both natural and man-made) hundreds—and in major earthquakes, thousands—of lives are lost in the first days following the event because of the lack of medical/surgical facilities to treat those with potentially survivable injuries. Disasters disrupt and destroy not only medical facilities in the disaster zone but also infrastructure (roads, airports, electricity) and potentially local healthcare personnel as well. To minimize morbidity and mortality from disasters, medical treatment must begin immediately, within minutes ideally, but certainly within 24 hours (not the days to weeks currently seen in medical response to disasters). Edited by emergency health professionals, this valuable compendium is broken into five sections, which describe the following topics: disaster-related health care disaster preparedness and resilience effective medical responses to disasters managing resources during disasters how medical staff can

be better educated to handle disasters This volume brings together a wealth of information that will be valuable to disaster management professionals and others responsible for providing emergency services.

Healthcare Ethics and Training: Concepts, Methodologies, Tools, and Applications May 15 2021 The application of proper ethical systems and education programs is a vital concern in the medical industry. When healthcare professionals are held to the highest moral and training standards, patient care is improved. *Healthcare Ethics and Training: Concepts, Methodologies, Tools, and Applications* is a comprehensive source of academic research material on methods and techniques for implementing ethical standards and effective education initiatives in clinical settings. Highlighting pivotal perspectives on topics such as e-health, organizational behavior, and patient rights, this multi-volume work is ideally designed for practitioners, upper-level students, professionals, researchers, and academics interested in the latest developments within the healthcare industry.

The China Medical Journal Oct 20 2021

Cancer in the Arab World Nov 08 2020 This is an Open Access book. This book is a must-have for healthcare providers and researchers, public health specialists and policy makers who are interested and involved in cancer care in the Arab world. The Arab world consists of 22 countries, which are members of the Arab League and spanning over 13,132,327 km² with over 423,000,000 population. Over the past few decades, the Arab world has witnessed a swift evolution in healthcare provision. Nonetheless, Arab countries have considerable variability in economic capabilities, resource allocation, and intellectual talent that inevitably reflect on access to modern cancer care and prevention. This book is authored by experts from the Arab world who provide vital information on cancer statistics and risk factors, available clinical care pathways and infrastructure, and prevention programs in their individual countries. The chapters also address specific challenges in each country and insights into future directions to achieve optimal care with conventional and novel diagnostics and therapies to keep up with the era of precision medicine. Special topics of interest and unique to the Arab world are also discussed, such as out of the country's medical tourism for cancer care and cancer care during war and conflict. Other special chapters include: Cancer research in the Arab world, Radiation therapy in Arab World and Pediatric Oncology in the Arab World *Cancer in the Arab World* is the first comprehensive book that addresses cancer care in depth in all Arab countries and it is endorsed by the prestigious Emirates Oncology Society.