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Optimizing Medical Education With Instructional Technology - Demiroz, Erdem 2018-11-30

In today's educational settings, infusing technology into educational practices is not optional. It is a necessity because of the changing expectations and needs of learners. In a fast-paced environment such as the medical profession, it is critical that future healthcare professionals have access to the most advanced training environments and resources. *Optimizing Medical Education With Instructional Technology* is an essential reference that reports on technology-supported medical education. It introduces the best practices in 21st century learning approaches. This book, in addition to looking at medical education through the lens of instructional technologies, features research on topics such as the ethics of online education, mentoring research, and technology in the clinical setting. This book is designed for medical educators, instructional designers, researchers, practitioners, and academicians.

Competence-based Vocational and Professional Education - Martin Mulder 2016-09-08

This book presents a comprehensive overview of extant literature on competence-based vocational and professional education since the introduction of the competence concept in the 1950s. To structure the field, the book distinguishes between three approaches to defining competence, based on 1. functional behaviourism, 2. integrated occupationalism, and 3. situated professionalism. It also distinguishes between two ways of operationalizing competence: 1. behaviour-oriented generic, and 2. task-oriented specific competence. Lastly, it identifies three kinds of competencies, related to: 1. specific activities, 2. known jobs, and 3. the unknown future. Competence for the unknown future must receive more attention, as our world is rapidly evolving and there are many 'global' challenges which call for innovation and a profound transformation of policies and practices. The book presents a range of different approaches to competence-based education, and demonstrates that competence-based education is a worldwide innovation, which is institutionalized in various ways. It presents the major theories and policies, specific components of educational systems, such as recognition, accreditation, modelling and assessment, and developments in discipline-oriented and transversal competence domains. The book concludes by synthesizing the different perspectives with the intention to contribute to further improving vocational and professional education policy and practice. Joao Santos, Deputy Head of Unit C5, Vocational Training and Adult Education, Directorate General for Employment, Social Affairs and Inclusion, European Commission: "This comprehensive work on competence-based education led by Martin Mulder, provides an excellent and timely contribution to the current debate on a New Skills Agenda for Europe, and the challenge of bridging the employment and education and training worlds closer together. This book will influence our work aimed at improving the relevance of vocational education to support initial and continuing vocational education and training policy and practice aimed at strengthening the key competencies for the 21st century." Prof. Dr. Reinhold Weiss, Deputy President and Head of the Research, Federal Institute for Vocational Education and Training (BIBB), Bonn, Germany: "This book illustrates that the idea and concept of competence is not only a buzzword in educational debates but key to innovative pedagogical thinking as well as educational practice." Prof. Dr. Johanna Lasonen, College of Education, University of South Florida, Tampa, USA: "Competence-based Vocational and Professional Education is one of the most important multi-disciplinary book in education and training. This path-breaking book offers a timely, rich and global perspective on the field. The book is a good

resource for practitioners, policymakers and researchers."

Future Directions of Credentialing Research in Nursing - Institute of Medicine 2015-04-08

The nurse workforce constitutes the largest sector of health professionals in the United States and includes individuals with varying educational backgrounds and expertise. Like other health professions, nursing includes a large number of specialties and subspecialties. Nurses may seek certification, based on various standards and criteria, from a wide range of organizations. Similarly, organizations may participate in nursing credentialing programs, which typically reflect the attainment of various nursing care standards and outcome measures. It is, however, unclear how this additional training and education affects health care quality and patient health. *Future Directions of Credentialing Research in Nursing* examines short- and long-term strategies to advance research on nurse certification and organizational credentialing. This report summarizes a workshop convened by the Institute of Medicine in September 2014 to examine a new framework and research priorities to guide future research on the impact of nurse credentialing and certification on outcomes for nurses, organizations, and patients. Over 100 people attended the workshop, which focused on topics such as emergent priorities for research in nursing credentialing; critical knowledge gaps and methodological limitations in the field; promising developments in research methodologies, health metrics, and data infrastructures to better evaluate the impact of nursing credentialing; and short- and long-term strategies to encourage continued activity in nursing credentialing research. *Future Directions of Credentialing Research in Nursing* is a record of the presentations, discussion, and break-out sessions of this event.

Health Systems Science E-Book - Susan Skochelak 2020-05-06

The first textbook devoted to this emerging area, *Health Systems Science* now brings you fully up to date with today's key issues and solutions. This increasingly important branch of health care explores how health care is delivered, how health care professionals work together to deliver that care, and how the health system can improve patient care and health care delivery. Along with basic and clinical sciences, health systems science is rapidly becoming a crucial 'third pillar' of medical science, with an emphasis on understanding the role of human factors, systems engineering, leadership, and patient improvement strategies that will help transform the future of health care and ensure greater patient safety. In this 2nd Edition, new chapters, new exercises, and new information help you acquire the knowledge and skills you need for success in today's challenging healthcare system. The first comprehensive text for mastering health systems science, offering practical coverage of all of the factors in the lives of patients that influence their well-being, the structures and processes of the health system itself, societal factors, communication, and information technology. NEW to this edition: New content on systems thinking, ethics and legal issues, and international care models further define and address this new important component of health care education; additional exercises; and expanded information on the patient experience and private practice. Complete coverage of patient safety, quality improvement, value in health care, teamwork, stewardship of health care resources, population health, clinical informatics, care coordination, leadership, and health care financing/reform. Patient improvement strategies incorporate checklists, information technology, team training, and more. A consistent chapter template provides clear coverage of each topic, including Learning Objectives, Chapter Outline, Core Chapter Content, Summary, Questions for Reflection, and Annotated Bibliography and References. Developed by the American Medical Association's

Accelerating Change in Medical Education Consortium, and authored by a team that includes AMA staff members working with individuals from the Consortium member schools.

Education and the Thoracic Surgeon, An Issue of Thoracic Surgery Clinics - Edward D. Verrier 2019-07-02

This issue of Thoracic Surgery Clinics of North America, guest edited by Dr. Edward D. Verrier, is devoted to Education and the Thoracic Surgeon. Dr. Verrier has assembled expert authors to review the following topics: The Master surgeon as educator; How does the adult surgeon learn?; How to obtain meaningful assessment in thoracic surgery education; How to give effective formative feedback in thoracic surgery education; Bias: How to minimize the hidden impact on thoracic surgical education; The educational challenges of the operating room; Effective classroom teaching and the impact of e-learning in thoracic surgery education; The alternative surgical curriculum; Deliberate practice and the emerging roles of simulation in thoracic surgery; Teaching, mentorship, and coaching in thoracic surgical education; Faculty development: using education for career advancement; The potential of virtual or augmented reality to enhance thoracic surgical education; How will artificial intelligence impact (cognitive) decision making in thoracic surgery; and more!

The Laparoscopic Surgery Revolution: Finding a Capable Surgeon in a Rapidly Advancing Field - David W. Page MD 2017-02-13

Written by a surgeon with 40 years' experience in practice and instruction, this book provides vital, up-to-date information that explains the strengths and weaknesses of the laparoscopic surgery field to enable potential surgical patients to make the best decisions and choose a surgeon wisely. • Presents balanced, unbiased information that identifies the tremendous advantages of less invasive operations using specific examples of laparoscopic techniques and discusses the serious risks and concerns that exist for surgical patients • Provides specific, actionable guidance for choosing a surgeon that identifies what questions to ask and explains how to ensure that a surgeon has enough experience with the particular operation you need • Explains how the success of the laparoscopic revolution that began in the late 1980s has resulted in a new definition of surgeon capability—and how the more complicated education, training, and technology that laparoscopy entails has set the stage for a perfect surgical storm

The Orthopedic Educator - Paul J. Dougherty 2017-10-24

This concise pocket guide is the first of its kind to provide a solid foundation for those who are involved in academic orthopedic surgery education for medical students, residents, and faculty and program heads. Opening with an exploration of the history of orthopedic education in the United States as well as a sampling of international experiences, the book then describes curriculum design for competency-based education, teaching as coaching, and how to teach operative skills. A trio of chapters on working with residents covers the sometimes challenging areas of assessment, remediation and providing constructive feedback. Subsequent chapters detail the development of orthopedic faculty and elements of successful programs as well as tips for directors creating or maintaining a program. While several books exist to guide educators in the non-surgical fields, none exist to provide guidance for surgical fields, much less orthopedic surgery. Ideal for any and all professionals involved in orthopedic education, The Orthopedic Educator serves to offer insight for making the most out of the time available for teaching, offering advice from experienced educators on how to build and maintain a successful program.

Law Student Professional Development and Formation - Neil W. Hamilton 2022-05-05

Offers actionable steps to legal educators to foster each student's professional identity.

A Practical Guide for Medical Teachers, E-Book - John Dent 2021-04-24

Highly regarded in the field of medical education, A Practical Guide for Medical Teachers provides accessible, highly readable, and practical information for those involved in basic science and clinical medicine teaching. The fully updated 6th Edition offers valuable insights into today's medical education. Input from global contributors who offer an international perspective and multi-professional approach to topics of interest to all healthcare teachers. With an emphasis on the importance of developing educational skills in the delivery of enthusiastic and effective teaching, it is an essential guide to maximizing teaching performance. Offers comprehensive, succinct coverage of curriculum planning and development, assessment, student engagement, and more. Includes 10 new chapters that discuss the international dimension to medical education, clinical reasoning, the roles of teachers, mentoring,

burnout and stress, the patient as educator, professional identity, curriculum and teacher evaluation, how students learn, and diversity, equality and individuality. Delivers the knowledge and expertise of more than 40 international contributors. Features helpful boxes highlighting practical tips, quotes, and trends in today's medical education.

Miller's Basics of Anesthesia - Manuel Pardo 2022-07-05

Long regarded as the undisputed leading text of its kind, Miller's Basics of Anesthesia provides comprehensive yet concise coverage of both basic science and clinical topics in anesthesiology. Under the experienced editorial leadership of Dr. Manuel C. Pardo, Jr., the 8th Edition has been meticulously updated to reflect the latest advances in practice and important aspects of contemporary anesthesia care, including pathophysiology, pharmacology, regional anesthesia, anesthetic management, and special problems and patient groups. It remains the first learning resource of choice for anesthesia providers, including anesthesia residents and fellows, medical students, and student registered nurse anesthetists, and is also a valuable review tool for practitioners undergoing maintenance of certification or recertification. Features a reader-friendly format with color-coded section tabs, easy-to-read chapters, and a concise writing style, along with color patterns in every chapter for quick navigation. Contains new chapters on Clinician Well-Being, Perioperative Point-of-Care Ultrasound, Environmental Impact of Anesthetics, and Perioperative Medicine. Covers key topics such as anesthesia neurotoxicity, palliative care, sleep medicine, trauma, and much more. Includes high-quality images that offer a detailed visual understanding of complex topics, while numerous figures and tables condense material for easier retention and review. Shares the knowledge and experience of renowned anesthesia expert Dr. Manuel C. Pardo, Jr. and a team of more than 80 global contributing authors. Serves both as an initial learning resource and a useful tool for solidifying the essential "must know information and reviewing core knowledge for maintenance of certification.

The Routledge Handbook of Language and Health Communication - Heidi Hamilton 2014-04-16

The Routledge Handbook of Language and Health Communication consists of forty chapters that provide a broad, comprehensive, and systematic overview of the role that linguistics plays within health communication research and its applications. The Handbook is divided into three sections: Individuals' everyday health communication Health professionals' communicative practices Patient-provider communication in interaction Special attention is given to cross-cutting themes, including the role of technology in health communication, narrative, and observations of authentic, naturally-occurring contexts. The chapters are written by international authorities representing a wide range of perspectives and approaches. Building on established work with cutting-edge studies on the changing health communication landscape, this volume will be an essential reference for all those involved in health communication and applied linguistics research and practice.

Learning and Teaching in Clinical Contexts - Clare Delany 2018-06-06

Featuring the perspectives of more than 40 leading international researchers, theorists and practitioners in clinical education, Learning and Teaching in Clinical Contexts: A Practical Guide provides a bridge between the theoretical aspects of clinical education and the delivery of practical teaching strategies. Written by Clare Delany and Elizabeth Molloy, each chapter weaves together education theory, education strategies and illustrative learning and teaching case scenarios drawn from multidisciplinary clinical contexts. The text supports clinicians and educators responsible for designing and delivering health professional education in clinical workplaces and clinicians undertaking continuing education in workplace teaching. The book is divided into four sections, each addressing a key aspect of the learner and educator experience. Section 1 considers the learner's needs as they make key transitions from classroom to workplace, or recent graduate to competent clinician Section 2 focuses on the influence of workplace contexts and how they can be used as positive catalysts to enhance learning Section 3 highlights the role of workplace assessments as embedded processes to positively influence learning Section 4 provides an overview of the changing roles of the clinical educator and processes and models of professional development to build educational expertise Demonstrates the integrated nature of three key threads within the field of clinical education: theory, method and context Highlights theoretical frameworks: cognitive, psychological, sociocultural, experiential and ethical traditions and how they inform teaching decisions Incorporates case studies throughout to provide a context to learning and teaching in clinical education Includes practical tips from expert practitioners across different topics Includes

an eBook with print purchase on evolve
Curriculum Development for Medical Education - Patricia A. Thomas
2016-01-29

Essential Resuscitation Skills for Medical Students -- Teaching Internal
Medicine Residents to Incorporate Prognosis in the Care of Older
Patients with Multimorbidity -- Longitudinal Program in Curriculum
Development -- Appendix B: Curricular, Faculty Development, and
Funding Resources -- Index -- A -- B -- C -- D -- E -- F -- G -- H -- I -- J -- K --
L -- M -- N -- O -- P -- Q -- R -- S -- T -- U -- V -- W

Graduate Medical Education in Psychiatry - Matthew Macaluso
2022-06-09

This book functions as a guide for leaders in academic and non-academic
settings who are interested in developing, managing, or improving new
or existing psychiatry residency programs. It notes the complexity of
administering a residency program with ready solutions and tactics.
Unique and comprehensive, this book contains chapters that focus on
key areas of residency program management and innovation including
but not limited to: meeting accreditation requirements, clinical and
didactic curriculum, managing resident and faculty performance issues,
research and scholarly activity in residency programs, rural training
programs, and faculty development. Graduate Medical Education in
Psychiatry is an invaluable resource for medical education leaders, as
well as trainees and those interested in psychiatric residency or
academic psychiatry in general.

Core Entrustable Professional Activities for Entering Residency -
Association of American Medical Colleges 2014-05-28

This landmark publication published by the AAMC identifies a list of
integrated activities to be expected of all M.D. graduates making the
transition from medical school to residency. This guide delineates 13
Entrustable Professional Activities (EPAs) that all entering residents
should be expected to perform on day 1 of residency without direct
supervision regardless of specialty choice. The Core EPAs for Entering
Residency are designed to be a subset of all of the graduation
requirements of a medical school. Individual schools may have additional
mission-specific graduation requirements, and specialties may have
specific EPAs that would be required after the student has made the
specialty decision but before residency matriculation. The Core EPAs
may also be foundational to an EPA for any practicing physician or for
specialty-specific EPAs. Update: In August 2014, the AAMC selected ten
institutions to join a five-year pilot to test the implementation of the Core
Entrustable Professional Activities (EPAs) for Entering Residency. More
than 70 institutions, representing over half of the medical schools
accredited by the U.S. Liaison Committee on Medical Education (LCME),
applied to join the pilot, demonstrating the significant energy and
enthusiasm towards closing the gap between expectations and
performance for residents on day one. The cohort reflects the breadth
and diversity of the applicant pool, and the institutions selected are
intended to complement each other through the unique qualities and
skills that each team and institution brings to the pilot. Faculty and
Learners' Guide (69 pages) - Developing faculty: The EPA descriptions,
the expected behaviors, and the vignettes are expected to serve as the
foundation for faculty development. Faculty can use this guide as a
reference for both feedback and assessment in pre-clinical and clinical
settings. - Developing learners: Learners can also use this document to
understand the core of what is expected of them by the time they
graduate. The EPA descriptions themselves delineate the expectations,
while the developmental progression laid out from pre-entrustable to
entrustable behaviors can serve as the roadmap for achieving them.

Comprehensive Healthcare Simulation: Mastery Learning in Health
Professions Education - William C. McGaghie 2020-03-10

This book presents the parameters of Mastery Learning (ML), an
especially stringent variety of competency-based education that guides
students to acquire essential knowledge and skill, measured rigorously
against a minimum passing standard (MPS). As both a scholarly resource
and a teaching tool, this is a "how to" book that serves as a resource for
a wide variety of health professions educators. A seminal source of
information and practical advice about ML, this book divided into five
parts: Clinical Education in the Health Professions, The Mastery
Learning Model, Mastery Learning in Action, Transfer of Training from
Mastery Learning and The Road Ahead. Complete with high-quality
images and tables, chapters take an in-depth look into ML principles and
practices across the health professions. Specific educational content
instructs readers on how to build and present ML curricula, evaluate
short and long-run results, conduct learner debriefing and give powerful
feedback, set learner achievement standards, and prepare faculty for

new educational roles. An invaluable addition to the Comprehensive
Healthcare Simulation Series, Mastery Learning in Health Professions
Education is written and edited by leaders in the field for practicing
clinicians in a variety of health professions.

The Health Professions Educator - Gerald Kayingo, PhD, PA-C
2017-08-28

Provides one-of-a-kind, in-depth guidance for improving effectiveness in
the classroom This is the only book for new and midcareer faculty that
delivers practical, evidence-based strategies for physician assistants,
nurse practitioners, and other clinical professionals teaching in advanced
health provider education programs. The text disseminates
interprofessional teaching and learning strategies that can be used
across the gamut of advanced clinical disciplines. It also features sample
curricula and syllabi, lecture tips, evaluation strategies, and in-depth
information about state-of-the-art technology and virtual classrooms. Key
pedagogical principles set a firm foundation for both novice and
experienced educators, and practical applications and case examples
integrated into each chapter offer concrete reinforcement. The text
describes how to design and implement a curriculum that promotes
cognitive diversity and inclusion, and examines ways to encourage
leadership and scholarship. It addresses methods for fostering active
learning and clinical reasoning through the use of technology,
simulation, distance education, and student-centered pedagogy. Edited
by experienced PA and NP faculty who are leaders in interprofessional
education, the book distills the insight and expertise of top PA, nursing,
and physician educators and provides valuable tools that help faculty
become effective educators in the U.S. and abroad. Key Features:
Delivers cutting-edge "tools of the trade" for advanced health professions
educators Provides evidence-based strategies for interprofessional
education Describes key pedagogical principles for both beginner and
advanced educators •Includes strategies to promote cognitive diversity
and inclusion in the teaching environment Weaves practical applications
and case examples into each chapter Offers strategies for faculty to
establish and maintain work-life balance

Hospital Medicine - Robert J. Habicht 2017-01-04

This practical resource provides hospitalists of all levels a comprehensive
foundation for understanding the critical elements of hospital medicine.
Beginning with an overview of the healthcare system, chapters provide
relevant insights on management, regulations, evidence-based
approaches, an awareness of safety and economic concerns and
professional development skills. Perspectives on how hospitalist and
hospital medicine teams can effectively engage this system to provide
cost-effective, high-quality care are offered throughout this volume. With
real-world guidance on the major tenets of hospital medicine, Hospital
Medicine will serve as the definitive guide to a successful career in this
rapidly evolving specialty.

*Hospital Medicine and Clinical Education, An Issue of Pediatric Clinics of
North America* - Nancy Spector 2019-06-23

Drs. Robert Wachter and Lee Goldman coined the term hospitalist in
their New England Journal of Medicine article in 1996. Hospital
Medicine is now the fastest growing medical specialty in the United
States, due in part to the evolution of inpatient care. In this issue, the
Guest Editor, Dr. Nancy Spector, and Consulting Editor Dr. Bonita
Stanton, have assembled expert authors to examine the changing nature
of inpatient care, including the major movements and trends that have
influenced hospital-based practice, patient centered care, and education
in this clinical learning environment. Articles are focused on the
following: Quality of Care and Quality Improvement; Evidence-based
Medicine; Patient Outcomes and Metrics; Inter-professional Teams;
Handoffs; Patient Centeredness; Communication with Patients; Health
Literacy; Bedside Rounds; Education in the Inpatient; Clinical Learning
Environment and Workplace-based Assessment; Simulation in Medical
Education; Feedback; Bedside Teaching and Learning; and Hospital
Medicine: State of the Specialty, Looking Forward. The intended
audience for this issue are frontline providers that provide care in
community hospitals and faculty in academic medical centers.
Pediatricians will come away with the information they need to improve
patient outcomes with evidentiary support.

*Intrinsic Skills for Physician Assistants An Issue of Physician Assistant
Clinics, E-Book* - Sharona Kanofsky 2019-12-03

This issue of Physician Assistant Clinics, guest edited by Sharona
Kanofsky, CCPA, PA-C, MScCH, is devoted to Intrinsic Skills for
Physician Assistants. Articles in this important issue include:
Introduction to Physician Assistant Intrinsic Skills: From bedside manner
to clinical competencies; Physician Assistant Professionalism: What is it?;

Reflective Practice for Physician Assistants; Practical Ethical Decision-making for Physician Assistants; Communication Considerations for Physician Assistants: Building trust and gathering information; Collaboration for Physician Assistants: Working in a team; Leadership and Advocacy for Physician Assistants; Comparing Canadian and American Physician Assistant Competencies; and The Value of Physician Assistants in the Canadian Healthcare System. A CME program is also available to subscribers of Physician Assistant Clinics.

The Wiley International Handbook on Psychopathic Disorders and the Law - Alan Felthous 2020-11-24

The economic impact of society's attempts to rehabilitate and contain psychopathically disordered individuals can be enormous. Understanding the nature of these disorders, developing accurate and valid assessment methods, and providing effective treatment and safe management cannot be underestimated. Including contributions from an international panel of experts from Europe, North America, and Asia, this two-volume set offers an in-depth, multidisciplinary look at key aspects of the development and etiology of psychopathic disorders; current methods of intervention, treatment, and management; and how these disorders impact decision-making in civil and criminal law. The most comprehensive major reference work available on psychopathy and the law, *The Wiley International Handbook on Psychopathic Disorders and the Law*, 2nd Edition: Covers the full history and conceptual development of psychopathic disorders Provides unique and enlightening perspectives on the subject from some of the world's most well-renowned professionals in the field Looks at the etiology and pathogenesis of psychopathic disorders Examines current methods for the intervention, treatment, and management of ADHD, antisocial behavior, and impulsive aggression Provides in-depth discussions of civil and criminal law issues *The Wiley International Handbook on Psychopathic Disorders and the Law*, 2nd Edition is a must-have reference for practitioners and academics in clinical psychology, forensic psychology, psychiatry, probation, law, law enforcement, and social work.

Educators' Stories of Creating Enduring Change - Enhancing the Professional Culture of Academic Health Science Centers - A. Linda Headrick 2022-01-27

This inspiring new book weaves a web of stories focusing on people whose work in health professions education has touched the lives of others in very important ways. Each chapter is told from the viewpoint of an education innovator and is supplemented by short reflections from those individuals whose lives have been changed as a result of that work. With a focus on the process of innovation, the book organically explores various phases from conceptualization, implementation, evaluation, and dissemination. *Educators' Stories of Creating Enduring Change* generates a deeper understanding of an individual's capacity for creating enduring change. It is ideal for all medical professions educators.

Principles of Assessment in Medical Education - Tejinder Singh 2021-10-30

Measuring the Impact of Interprofessional Education on Collaborative Practice and Patient Outcomes - Institute of Medicine 2015-12-15

Interprofessional teamwork and collaborative practice are emerging as key elements of efficient and productive work in promoting health and treating patients. The vision for these collaborations is one where different health and/or social professionals share a team identity and work closely together to solve problems and improve delivery of care. Although the value of interprofessional education (IPE) has been embraced around the world - particularly for its impact on learning - many in leadership positions have questioned how IPE affects patient, population, and health system outcomes. This question cannot be fully answered without well-designed studies, and these studies cannot be conducted without an understanding of the methods and measurements needed to conduct such an analysis. This Institute of Medicine report examines ways to measure the impacts of IPE on collaborative practice and health and system outcomes. According to this report, it is possible to link the learning process with downstream person or population directed outcomes through thoughtful, well-designed studies of the association between IPE and collaborative behavior. *Measuring the Impact of Interprofessional Education on Collaborative Practice and Patient Outcomes* describes the research needed to strengthen the evidence base for IPE outcomes. Additionally, this report presents a conceptual model for evaluating IPE that could be adapted to particular settings in which it is applied. *Measuring the Impact of Interprofessional Education on Collaborative Practice and Patient Outcomes* addresses the

current lack of broadly applicable measures of collaborative behavior and makes recommendations for resource commitments from interprofessional stakeholders, funders, and policy makers to advance the study of IPE.

Breast Cancer Radiation Therapy - Orit Kaidar-Person

The book provides, in a comprehensive yet concise way, essential information to improve the knowledge and skills of all healthcare providers involved in the treatment of patients with breast cancer. The content does not focus on general information that is widely available via different sources, but on technical aspects "hands-on" daily practices and principles of radiation oncology that are not included in other books. Drawing on information taught in courses at e.g. the ESTRO School, as well as the authors broad clinical experience, the respective contributions reflect and share the expertise of leading experts in breast cancer radiation therapy, supported by sound data and evidence. Each chapter includes a short introduction summarizing the evidence in the literature and "pearls" (a short bullet-point summary), and is enriched by tables, figures and illustrations to provide a concise, easy-to-follow and appealing overview. The book, containing also useful electronic supplementary material, will be of interest to a wide range of readers, including radiation oncologists, radiation technicians, medical physicists, and others involved in breast cancer care.

Assessing Competence in Medicine and Other Health Professions - Claudio Violato 2018-12-07

This comprehensive, yet accessible, text demystifies the challenging area of competence assessment in medicine and the health sciences, providing a clear framework and the tools for anyone working or studying in this area. Written by a single, highly experienced, author, the content benefits from uniformity of style and is supported and enhanced by a range of pedagogic features including cases, questions and summaries. Essential reading for all students and practitioners of medical education, it will also be an invaluable guide for allied health professionals and psychologists with a general interest in assessment, evaluation and measurement and a useful library reference.

The SAGES Manual of Quality, Outcomes and Patient Safety - John R. Romanelli 2022

In this thoroughly revised second edition of the frequently downloaded manual, *The SAGES Manual of Quality, Outcomes, and Patient Safety*. A panel of experts update and expand their survey of the many factors that influence quality in the world of surgery, surgical outcomes, and threats to patient safety. Among the highlights include a section devoted to threats to quality and outcomes and safety, such as surgeon wellness and burnout, disruptive behavior, second victims, the surgeon with declining skills, and maintaining quality in the setting of a crisis. Another all-new section focuses on surgical controversies, such as whether or not to use robotic surgical technology and whether or not it influences surgical outcomes; whether or not routine cholangiography reduces the common bile duct injury rate; whether or not having a consistent operating room team influences surgical outcomes, and whether a conflict of interest truly influences surgical quality. Further, this manual updates chapters on surgical simulation, teamwork and team training, teleproctoring, mentoring, and error analysis. State-of-the-art and readily accessible, *The SAGES Manual of Quality, Outcomes, and Patient Safety*, Second Edition will offer physicians strategies to maintain surgical quality in a rapidly changing practice environment the tools they require to succeed. *Emergency Psychiatry: Principles and Practice* - Rachel Lipson Glick 2019-10-29

The field of emergency psychiatry is complex and varied, encompassing elements of general medicine, emergency medicine, trauma, acute care, the legal system, politics and bureaucracy, mental illness, substance abuse and addiction, current social issues, and more. In one comprehensive, highly regarded volume, *Emergency Psychiatry: Principles and Practice* brings together key principles from psychiatric subspecialties as well as from emergency medicine, psychology, law, medical ethics, and public health policy. Leading emergency psychiatrists write from their extensive clinical experience, providing evidence-based information, expert opinions, American Psychiatric Association guidelines, and case studies throughout the text. This fully up-to-date second edition covers all of the important issues facing psychiatry residents and practitioners working in today's emergency settings, or who encounter psychiatric emergencies in other medical settings.

Challenges and Opportunities in Health Professions Education - Mora Claramita 2022-02-22

This book addresses health professions educational challenges specific to

non-Western cultures, implementing a shifting paradigm for educating future health professionals towards patient-centered care. While health professions education has received increasing attention in the last three decades, promoting student-centered learning principles pioneered by leaders in the medical community has, for the most part, remain rooted in the Western context. Building from Hofstede's analysis of the phenomena of cultural dimensions, which underpin the way people build and maintain their relationships with others and influence social, economic, and political well-being across nations, this book demarcates the different cultural dimensions between East and West, applied to medical education. The respective 'hierarchical' and 'collectivist' cultural dimensions are unpacked in several studies stemming from non-western countries, with the capacity to positively influence healthcare education and services. The book provides new insights for researchers and health professional educators to understand how cultural context influences the input, processes, and output of health professionals' education. Examples include how cultural context influences the ways in which students respond to teachers, how teachers giving feedback to students, and the challenges of peer feedback and group work. The authors also examine causes for student hesitation in proposing ideas, the pervasive cultural norm of maintaining harmony, the challenges of teamwork in clinical settings, the need to be sensitive to community health needs, the complexity of clinical decision making, and the challenge of how collectivist cultural values play into group dynamics. This book aims to advocate a more culturally-sensitive approach to educating health professionals, and will be relevant to both students and practitioners in numerous areas of public health and medical education.

Advancing Medical Education Through Strategic Instructional Design - Stefaniak, Jill 2016-12-28

Changes in technological innovation are altering modern educational systems. With instructional media continuously evolving, educators have a variety of options when deciding what tools are best for delivering their instruction. *Advancing Medical Education through Strategic Instructional Design* is an essential reference publication for the latest scholarly research on the importance of medical educators' adherence to instructional design principles to yield optimal learning outcomes. Featuring extensive coverage on several relevant topics and perspectives, such as medical simulation, instructional theory, and performance analysis, this book is ideally designed for educators, physicians, and nurses seeking current research on designing effective instruction for a variety of audiences and learning contexts.

A Practical Guide for Medical Teachers - John Dent 2017-04-26

The Fifth Edition of the highly praised *Practical Guide for Medical Teachers* provides a bridge between the theoretical aspects of medical education and the delivery of enthusiastic and effective teaching in basic science and clinical medicine. Healthcare professionals are committed teachers and this book is an essential guide to help them maximise their performance. This highly regarded book recognises the importance of educational skills in the delivery of quality teaching in medicine. The contents offer valuable insights into all important aspects of medical education today. A leading educationalist from the USA joins the book's editorial team. The continual emergence of new topics is recognised in this new edition with nine new chapters: The role of patients as teachers and assessors; Medical humanities; Decision-making; Alternative medicine; Global awareness; Education at a time of ubiquitous information; Programmatic assessment; Student engagement; and Social accountability. An enlarged group of authors from more than 15 countries provides both an international perspective and a multi-professional approach to topics of interest to all healthcare teachers.

Treating Opioid Use Disorder in General Medical Settings - Sarah E. Wakeman 2021-10-15

This book is an invaluable reference for medical practitioners seeking to integrate opioid use disorder (OUD) treatment into general medical settings, including primary care, the inpatient hospital, and the emergency department. It recognizes opioid-related deaths in the United States as a significant public health crisis and fills the gap in drug use and addiction treatment knowledge for care providers. Timely and concise, opening chapters examine the history of OUD pharmacology and treatment, as well as the principles of care and treatment. Subsequent chapters analyze the shortcomings of current approaches to opioid addiction, including the high cost and low value of acute care delivered by minimally trained providers and the fixation on short-term detoxification and rehab. The book offers specific guidance for practical integration of effective opioid use disorder treatment into a range of healthcare settings. Chapters also discuss the unique complexities of

caring for special populations with OUD, such as pregnant people and those involved in the criminal legal system. The book concludes with personal experience from individuals with a history of OUD. Socially conscious and practical, *Treating Opioid Use Disorder in General Medical Settings* serves as a crucial evidence-based resource for physicians, nurse practitioners, physician assistants, nurses, and other healthcare professionals.

Understanding Medical Education - Tim Swanwick 2018-10-08

Created in partnership with the Association for the Study of Medical Education (ASME), this completely revised and updated new edition of *Understanding Medical Education* synthesizes the latest knowledge, evidence and best practice across the continuum of medical education. Written and edited by an international team, this latest edition continues to cover a wide range of subject matter within five broad areas - Foundations, Teaching and Learning, Assessment and Selection, Research and Evaluation, and Faculty and Learners - as well as featuring a wealth of new material, including new chapters on the science of learning, knowledge synthesis, and learner support and well-being. The third edition of *Understanding Medical Education*: Provides a comprehensive and authoritative resource summarizing the theoretical and academic bases to modern medical education practice Meets the needs of all newcomers to medical education whether undergraduate or postgraduate, including those studying at certificate, diploma or masters level Offers a global perspective on medical education from leading experts from across the world Providing practical guidance and exploring medical education in all its diversity, *Understanding Medical Education* continues to be an essential resource for both established educators and all those new to the field.

Autopsy in the 21st Century - Jody E. Hooper 2018-11-08

Autopsy as a field is enjoying an unexpected renaissance as new and improved uses are found for postmortem examination in quality improvement, education, and research. Increased interest in the autopsy is evident in the popular press as well as in national and international physician meetings. This text will provide an overview of topics the authors consider crucial to competent and effective autopsy practice in the 21st century. Each chapter will combine relevant theoretical background with current and practical experience-based guidance so that pathologists and clinicians can better utilize the autopsy to provide optimal value to families, patients, hospitals, and health systems. Distinguished contributors will provide a review of the rich history of autopsy practice, including assessments of how the past both informs autopsy practice and impedes its progress. The autopsy will be placed in the context of larger healthcare systems with chapters on the use of autopsy in quality improvement and evaluating the value of autopsy as a professional activity, as well as new technology that affects practice models. Better and more reproducible methods for reporting autopsy findings will be explored to exploit the full potential of autopsy data for cross-institutional research. Two chapters will also provide the first book-level review of the growing field of autopsies performed on an urgent basis to sample both diseased and normal control tissue for research. These "rapid research autopsies" are especially crucial to cancer research and the growth of personalized medicine, and the book will explain the science behind utilization of autopsy tissue and offer a full template for designing and delivering a successful rapid autopsy program. Additionally, pathologist and clinician contributors will highlight current recommendations for special techniques and ancillary testing in postmortem examinations to serve the needs of today's patient populations. As resident education is re-examined by pathology and education authorities, new competency-based training models will almost certainly come to the fore. A chapter will examine approaches to the future training of medical students, residents, and fellows in an environment of changing autopsy exposure. A final chapter will summarize the vision for the autopsy as a clinical outcome measure, and valuable scientific resource. This book will be a new type of volume in the field of autopsy pathology. It differs from the presently available review references and atlases in that it provides guidance for readers to embrace transformations that are already taking place in the field. There currently is no resource that offers comprehensive guidance for modern autopsy practice and looks forward to what the field might become in the future.

Comprehensive Healthcare Simulation: Surgery and Surgical Subspecialties - Dimitrios Stefanidis 2019-01-05

This pragmatic book is a guide for the use of simulation in surgery and surgical subspecialties, including general surgery, urology, gynecology, cardiothoracic and vascular surgery, orthopedics, ophthalmology, and

otolaryngology. It offers evidence-based recommendations for the application of simulation in surgery and addresses procedural skills training, clinical decision-making and team training, and discusses the future of surgical simulation. Readers are introduced to the different simulation modalities and technologies used in surgery with a variety of learners including students, residents, practicing surgeons, and other health-related professionals.

Competencies in Sleep Medicine - Kingman P. Strohl 2014-01-11

Competencies in Sleep Medicine provides the knowledge and curriculum needed for a Sleep Medicine Training Program. The approach is consistent with the goals of the Accreditation Council for Graduate Medical Education (ACGME), which asks programs to develop specific and targeted approaches to each program that covers the material presented in the Training Program. Authored by leaders in the field, each chapter focuses on an area of knowledge and skills in sleep medicine and offers appropriate examples of instruction and assessment. These principles and protocols for training can be used by a program to address weaknesses, assess trainees in a standardized fashion, and provide additional measurable benchmarks. Those who judge trainee progress and achievement will find Competencies in Sleep Medicine to be the standard resource for defining and achieving student learning outcomes, while encouraging autonomous learning.

Practical Guide to the Evaluation of Clinical Competence E-Book -

Eric S. Holmboe 2017-04-06

Designed to help medical educators implement better assessment methods, tools, and models directly into training programs, Practical Guide to the Evaluation of Clinical Competence, 2nd Edition, by Drs. Eric S. Holmboe, Steven J. Durning, and Richard E. Hawkins, is a hands-on, authoritative guide to outcomes-based assessment in clinical education. National and international experts present an organized, multifaceted approach and a diverse combination of methods to help you perform effective assessments. This thoroughly revised edition is a valuable resource for developing, implementing, and sustaining effective systems for evaluating clinical competence in medical school, residency, and fellowship programs. Each chapter provides practical suggestions and assessment models that can be implemented directly into training programs, tools that can be used to measure clinical performance, overviews of key educational theories, and strengths and weaknesses of every method. Guidelines that apply across the medical education spectrum allow you to implement the book's methods in any educational situation. New chapters on high-quality assessment of clinical reasoning and assessment of procedural competence, as well as a new chapter on practical approaches to feedback. Reorganized for ease of use, with expanded coverage of Milestones/Entrustable Professional Assessments (EPAs), cognitive assessment techniques, work-based procedural assessments, and frameworks. The expert editorial team, renowned leaders in assessment, is joined by global leader in medical education and clinical reasoning, Dr. Steven Durning.

Handbook of Research on Determining the Reliability of Online

Assessment and Distance Learning - Moura, Ana S. 2020-11-13

Though in the past online learning was considered of poorer professional

quality than classroom learning, it has become a useful and, in some cases, vital tool for promoting the inclusivity of education. Some of its benefits include allowing greater accessibility to educational resources previously unattainable by those in rural areas, and in current times, it has proven to be a critical asset as universities shut down due to natural disasters and pandemics. Examining the current state of distance learning and determining online assessment tools and processes that can enhance the online learning experience are clearly crucial for the advancement of modern education. The Handbook of Research on Determining the Reliability of Online Assessment and Distance Learning is a collection of pioneering investigations on the methods and applications of digital technologies in the realm of education. It provides a clear and extensive analysis of issues regarding online learning while also offering frameworks to solve these addressed problems. Moreover, the book reviews and evaluates the present and intended future of distance learning, focusing on the societal and employer perspective versus the academic proposals. While highlighting topics including hybrid teaching, blended learning, and telelearning, this book is ideally designed for teachers, academicians, researchers, educational administrators, and students.

Curriculum Development for Medical Education - David E. Kern 1998

At a time when society is demanding accountability from the medical education system and residency review committees are demanding written curricula, this book offers a practical, yet theoretically sound, approach to curriculum development in medicine. Short, practical, and generic in its approach, the book begins with an overview of a six-step approach to curriculum development. Each succeeding chapter then covers one of the six steps: problem identification, targeted needs assessment, goals and objectives, education methods, implementation, and evaluation. Additional chapters address curriculum maintenance, enhancement, and dissemination. Throughout, examples are used to illustrate major points. An appendix provides the reader with a selected list of published and unpublished resources on funding, faculty development, and already developed curricula.

Assessment in Health Professions Education - Rachel Yudkowsky 2019-07-26

Assessment in Health Professions Education, second edition, provides a comprehensive guide for educators in the health professions—medicine, dentistry, nursing, pharmacy, and allied health fields. This second edition has been extensively revised and updated by leaders in the field. Part I of the book presents an introduction to assessment fundamentals and their theoretical underpinnings from the perspective of the health professions. Part II covers specific assessment methods, with a focus on validity, best practices, challenges, and practical guidelines for the effective implementation of successful assessment programs. Part III addresses special topics and recent innovative approaches, including narrative assessment, situational judgment tests, programmatic assessment, mastery learning settings, and the key features approach. This accessible text addresses the essential concepts for the health professions educator and provides the background needed to understand, interpret, develop, and effectively implement assessment methods.