

Science And The Practice Of Medicine In The Nineteenth Century

Cambridge Studies In The History Of Science

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Conflict of Interest in Medical Research, Education, and Practice - Institute of Medicine 2009-09-16

Collaborations of physicians and researchers with industry can provide valuable benefits to society, particularly in the translation of basic scientific discoveries to new therapies and products. Recent reports and news stories have, however, documented disturbing examples of relationships and practices that put at risk the integrity of medical research, the objectivity of professional education, the quality of patient care, the soundness of clinical practice guidelines, and the public's trust in medicine. Conflict of Interest in Medical Research, Education, and Practice provides a comprehensive look at conflict of interest in medicine. It offers principles to inform the design of policies to identify, limit, and manage conflicts of interest without damaging constructive collaboration with industry. It calls for both short-term actions and long-term commitments by institutions and individuals, including leaders of academic medical centers, professional societies, patient advocacy groups, government agencies, and drug, device, and pharmaceutical

companies. Failure of the medical community to take convincing action on conflicts of interest invites additional legislative or regulatory measures that may be overly broad or unduly burdensome. Conflict of Interest in Medical Research, Education, and Practice makes several recommendations for strengthening conflict of interest policies and curbing relationships that create risks with little benefit. The book will serve as an invaluable resource for individuals and organizations committed to high ethical standards in all realms of medicine.

Integrative Pain Medicine - Joseph F. Audette 2008-02-26

This important book fills a need in the developing area of Pain Medicine. It provides physicians with an up-to-date resource that details the current understanding about the basic science underlying the mechanism of action of the various CAM therapies used for pain. It summarizes the clinical evidence both for efficacy and safety, and finishes with practical guidelines about how such treatments could be successfully and safely integrated into a Pain practice.

Secrets and Knowledge in Medicine and Science, 1500-1800 - Ms

Elaine Leong 2013-07-28

Secrets played a central role in transformations in medical and scientific knowledge in early modern Europe. As a new fascination with novelty began to take hold from the late fifteenth century, Europeans thirsted for previously unknown details about the natural world: new plants, animals, and other objects from nature, new recipes for medical and alchemical procedures, new knowledge about the human body, and new facts about the way nature worked. These 'secrets' became popular items of commerce and trade, as the quest for new and exclusive bits of information met the vibrant early modern marketplace. Whether disclosed widely in print or kept more circumspect in manuscripts, secrets helped drive an expanding interest in acquiring knowledge throughout early modern Europe. Bringing together international scholars, this volume provides a pan-European and interdisciplinary overview on the topic. Each essay offers significant new interpretations of the role played by secrets in their area of specialization. Chapters address key themes in early modern history and the history of medicine, science and technology including: the possession, circulation and exchange of secret knowledge across Europe; alchemical secrets and laboratory processes; patronage and the upper-class market for secrets; medical secrets and the emerging market for proprietary medicines; secrets and cosmetics; secrets and the body and finally gender and secrets.

The Psychiatric Foundations of Medicine: Basic psychopathology - 1978

The Medieval Hospital and Medical Practice - Barbara S. Bowers
2017-05-15

Using an innovative approach to evidence for the medieval hospital and medical practice, this collection of essays presents new research by leading international scholars in creating a holistic look at the hospital as an environment within a social and intellectual context. The research presented creates insights into practice, medicines, administration, foundation, regulation, patronage, theory, and spirituality. Looking at

differing models of hospital administration between 13th century France and Spain, social context is explored. Seen from the perspective of the history of Knights of the Order of Saint Lazarus, and Order of the Temple, hospital and practice have a different emphasis. Extant medieval hospitals at Tonnerre and Winchester become the basis for exploring form and function in relation to health theory (spiritual and non-spiritual) as well as the influence of patronage and social context. In the case of the Ospedale Maggiore in Milan, this line of argument is taken further to demonstrate aspects of the building based on a concept of epidemiology. Evidence for the practice of medicine presented in these essays comes from a variety of sources and approaches such as remedy books, medical texts, recorded practice, and by making parallels with folk medicine. Archaeological evidence indicates both religious and non religious medical intervention while skeletal remains reveal both pathology and evidence of treatment.

The Science and Practice of Medicine in Relation to Mind - John Thompson Dickson 2018-02-15

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Demand Better! - Sanjaya Kumar 2010

Cardiac Arrest - Norman A. Paradis 2007-10-18

Cardiac Arrest is the definitive and most comprehensive reference in advanced life support and resuscitation medicine. This new edition brings the reader completely up-to-date with developments in the field, focusing on practical issues of decision making, clinical management and prevention, as well as providing clear explanations of the science informing the practice. The coverage includes information on the latest pharmacotherapeutic options, the latest chest compression techniques and airway management protocols, all backed by clearly explained, evidence-based scientific research. The content is consistent with the latest guidelines for practice in this area, as detailed by the major international governing organisations. This volume is essential reading for all those working in the hospital environments of emergency medicine, critical care, cardiology and anesthesia, as well as those providing care in the pre-hospital setting, including paramedics and other staff from the emergency services.

The Science of the Art of Medicine - Harlan M. Krumholz, M.D. 2015-09-15

Doctors use reason and probability to assess and treat patients. But given the complexity, uncertainty, and fast pace of real-world medical practice, physicians have no choice but to use mental shortcuts and probability estimates as they do their vital work. When doctors deeply understand how they reason, they improve their clinical decision making. This book teaches students, residents, and practicing physicians to think clearly about the logic, probability, and cognitive psychology of medical reasoning. Simple examples, visual explanations, and historical context make the art of how doctors think fascinating and highly relevant to daily medical practice. Reading this book will help you improve the care of your patients, one at a time.

What Doctors Feel - Danielle Ofri 2013-06-04

A look at the emotional side of medicine—the shame, fear, anger, anxiety, empathy, and even love that affect patient care. Physicians are assumed to be objective, rational beings, easily able to detach as they guide patients and families through some of life’s most challenging

moments. But doctors’ emotional responses to the life-and-death dramas of everyday practice have a profound impact on medical care. And while much has been written about the minds and methods of the medical professionals who save our lives, precious little has been said about their emotions. In *What Doctors Feel*, Dr. Danielle Ofri has taken on the task of dissecting the hidden emotional responses of doctors, and how these directly influence patients. How do the stresses of medical life—from paperwork to grueling hours to lawsuits to facing death—affect the medical care that doctors can offer their patients? Digging deep into the lives of doctors, Ofri examines the daunting range of emotions—shame, anger, empathy, frustration, hope, pride, occasionally despair, and sometimes even love—that permeate the contemporary doctor-patient connection. Drawing on scientific studies, including some surprising research, Dr. Danielle Ofri offers up an unflinching look at the impact of emotions on health care. With her renowned eye for dramatic detail, Dr. Ofri takes us into the swirling heart of patient care, telling stories of caregivers caught up and occasionally torn down by the whirlwind life of doctoring. She admits to the humiliation of an error that nearly killed one of her patients and her forever fear of making another. She mourns when a beloved patient is denied a heart transplant. She tells the riveting stories of an intern traumatized when she is forced to let a newborn die in her arms, and of a doctor whose daily glass of wine to handle the frustrations of the ER escalates into a destructive addiction. But doctors don’t only feel fear, grief, and frustration. Ofri also reveals that doctors tell bad jokes about “toxic sock syndrome,” cope through gallows humor, find hope in impossible situations, and surrender to ecstatic happiness when they triumph over illness. The stories here reveal the undeniable truth that emotions have a distinct effect on how doctors care for their patients. For both clinicians and patients, understanding what doctors feel can make all the difference in giving and getting the best medical care.

Empathy and the Practice of Medicine - Howard Marget Spiro 1993-01-01

The book - which includes essays by physicians, philosophers, and a

nurse - is divided into three parts: one deals with how empathy is weakened or lost during the course of medical education and suggests how to remedy this; another describes the historical and philosophical origins of empathy and provides arguments for and against it; and a third section offers compelling accounts of how physicians' empathy for their patients has affected their own lives and the lives of those in their care. We hear, for example, from a physician working in a hospice who relates the ways that the staff try to listen and respond to the needs of the dying; a scientist who interviews candidates for medical school and tells how qualities of empathy are undervalued by selection committees; a nurse who considers what nursing can teach physicians about empathy; another physician who ponders whether the desire to be empathic can hinder the detachment necessary for objective care; and several contributors who show how literature and art can help physicians to develop empathy.

The Laws of Medicine - Siddhartha Mukherjee 2015-10-13

Essential, required reading for doctors and patients alike: A Pulitzer Prize-winning author and one of the world's premiere cancer researchers reveals an urgent philosophy on the little-known principles that govern medicine—and how understanding these principles can empower us all. Over a decade ago, when Siddhartha Mukherjee was a young, exhausted, and isolated medical resident, he discovered a book that would forever change the way he understood the medical profession. The book, *The Youngest Science*, forced Dr. Mukherjee to ask himself an urgent, fundamental question: Is medicine a “science”? Sciences must have laws—statements of truth based on repeated experiments that describe some universal attribute of nature. But does medicine have laws like other sciences? Dr. Mukherjee has spent his career pondering this question—a question that would ultimately produce some of most serious thinking he would do around the tenets of his discipline—culminating in *The Laws of Medicine*. In this important treatise, he investigates the most perplexing and illuminating cases of his career that ultimately led him to identify the three key principles that govern medicine. Brimming with fascinating historical details and modern medical wonders, this

important book is a fascinating glimpse into the struggles and Eureka! moments that people outside of the medical profession rarely see. Written with Dr. Mukherjee's signature eloquence and passionate prose, *The Laws of Medicine* is a critical read, not just for those in the medical profession, but for everyone who is moved to better understand how their health and well-being is being treated. Ultimately, this book lays the groundwork for a new way of understanding medicine, now and into the future.

Fetal Medicine - Charles H. Rodeck 2009-01-01

Fetal medicine has emerged as a separate subspecialty over the last 30 years as a result of major advances in a number of areas, in particular ultrasound imaging, cytogenetics, molecular biology and biochemistry. The widespread use of antenatal screening and diagnostic tests has led to an increased need for obstetricians to have knowledge and skills in fetal medicine. This book provides the information that underpins training programmes in fetal medicine and integrates science and clinical disciplines in a practical and useful way. Clinical sections include: the latest advances in prenatal screening; a systems-based presentation of the diagnosis and management of fetal malformations; complete coverage of common and rare fetal conditions including growth restriction, endocrine and platelet disorders, early pregnancy loss, and twins/multiple pregnancy. More focus on important basic-science concepts, such as maternofetal cell trafficking, and the relevance to clinical management.

Vibrant and Healthy Kids - National Academies of Sciences, Engineering, and Medicine 2019-12-27

Children are the foundation of the United States, and supporting them is a key component of building a successful future. However, millions of children face health inequities that compromise their development, well-being, and long-term outcomes, despite substantial scientific evidence about how those adversities contribute to poor health. Advancements in neurobiological and socio-behavioral science show that critical biological systems develop in the prenatal through early childhood periods, and neurobiological development is extremely responsive to environmental

influences during these stages. Consequently, social, economic, cultural, and environmental factors significantly affect a child's health ecosystem and ability to thrive throughout adulthood. *Vibrant and Healthy Kids: Aligning Science, Practice, and Policy to Advance Health Equity* builds upon and updates research from *Communities in Action: Pathways to Health Equity* (2017) and *From Neurons to Neighborhoods: The Science of Early Childhood Development* (2000). This report provides a brief overview of stressors that affect childhood development and health, a framework for applying current brain and development science to the real world, a roadmap for implementing tailored interventions, and recommendations about improving systems to better align with our understanding of the significant impact of health equity.

Addiction Medicine - Bankole A. Johnson 2010-10-10

The spectrum of addiction disorders presents practitioners with numerous challenges—among them the widening gap between a growing evidence base and the translation of this knowledge into treatment outcomes. *Addiction Medicine* addresses this disconnect, clearly explaining the role of brain function in drug taking and other habit-forming behaviors, and applying this biobehavioral framework to the delivery of evidence-based treatment. Its state-of-the-art coverage provides clinically relevant details on not only traditional sources of addiction such as cocaine, opiates, and alcohol, but also more recently recognized substances of abuse (e.g., steroids, inhalants) as well as behavioral addictions (e.g., binge eating, compulsive gambling, hoarding). Current behavioral and medical therapies are discussed in depth, and the book's close attention to social context gives readers an added lens for personalizing treatment. An international panel of expert contributors offers the most up-to-date information on: Diagnosis and classification Neurobiological and molecular theories of addiction Behavioral concepts of addiction Clinical aspects of addiction to a wide range of substances, including opiates, stimulants, sedatives, hallucinogens, alcohol, nicotine, and caffeine Science-based treatment options: pharmacotherapy, pharmacogenetics, potential vaccines, brief and compliance-enhancing interventions, cognitive behavioral treatment,

behavioral management, and other psychosocial interventions Behavioral addictions—including compulsive eating, Internet messaging, and hypersexuality—and their treatment Addiction in specific populations, including adolescents, the elderly, pregnant women, and health care professionals Legal, disability, and rehabilitation issues At once comprehensive and integrative, *Addiction Medicine* is an essential text and a practice-expanding tool for psychiatrists, health psychologists, pharmacologists, social workers, drug counselors, trainees, and general physicians/family practitioners.

Informing the Future - Institute of Medicine 2011-10-12

This report illustrates the work of IOM committees in selected, major areas in recent years, followed by a description of IOM's convening and collaborative activities and fellowship programs. The last section provides a comprehensive bibliography of IOM reports published since 2007.

Beyond the HIPAA Privacy Rule - Institute of Medicine 2009-03-24

In the realm of health care, privacy protections are needed to preserve patients' dignity and prevent possible harms. Ten years ago, to address these concerns as well as set guidelines for ethical health research, Congress called for a set of federal standards now known as the HIPAA Privacy Rule. In its 2009 report, *Beyond the HIPAA Privacy Rule: Enhancing Privacy, Improving Health Through Research*, the Institute of Medicine's Committee on Health Research and the Privacy of Health Information concludes that the HIPAA Privacy Rule does not protect privacy as well as it should, and that it impedes important health research.

Philosophy of Molecular Medicine - Giovanni Boniolo 2016-11-18

Philosophy of Molecular Medicine: Foundational Issues in Theory and Practice aims at a systematic investigation of a number of foundational issues in the field of molecular medicine. The volume is organized around four broad modules focusing, respectively, on the following key aspects: What are the nature, scope, and limits of molecular medicine? How does it provide explanations? How does it represent and model phenomena of interest? How does it infer new knowledge from data and experiments?

The essays collected here, authored by prominent scientists and philosophers of science, focus on a handful of mainstream topics in the philosophical literature, such as causation, explanation, modeling, and scientific inference. These previously unpublished contributions shed new light on these traditional topics by integrating them with problems, methods, and results from three prominent areas of contemporary biomedical science: basic research, translational and clinical research, and clinical practice.

Science and Technology in Medicine - Andras Gedeon 2007-12-31

The history and evolution of the fields of science and medicine are symbiotically linked and thus are mutually dependent. Discoveries in one domain have allowed for progress in the other, and it is nearly impossible to study one area in isolation. The influence of science and technologic discoveries on medicine has profoundly impacted the way physicians practice and has resulted in an extended life expectancy and quality of life that our ancestors never dreamed possible. *Science and Technology in Medicine* is a collection of 99 essays based on landmark publications that have appeared in the medical literature over the past 500 years.

Each essay includes a summary of the article or chapter; text and images reproduced directly from the original source; a short biography of the author(s); and a discussion about the significance of the discovery and its subsequent influence on later developments. Original material by the likes of Dürer, Bernoulli, Doppler, Pasteur, Trendelenburg, Curie and Röntgen offers readers a rare glimpse at publications housed in archives around the world, beautifully reproduced in one fascinating volume.

Medicine of the Person - John Cox 2007

Based on the principle of 'medicine of the person', an attitude that embeds personal relationships and ethics in medical practice, this text considers the ideas of Paul Tournier, an influential figure whose thinking has had a substantial impact on the spiritual and psychosocial aspects of routine patient care.

How Doctors Think - Kathryn Montgomery 2006

"Although physicians make use of science, this book argues that medicine is not itself a science, but rather an interpretive practice that

relies heavily on clinical reasoning." "In *How Doctors Think*, Kathryn Montgomery contends that assuming medicine is strictly a science can have adverse effects. She suggests these can be significantly reduced by recognizing the vital role of clinical judgment."--BOOK JACKET.

Evidence-Based Medicine and the Search for a Science of Clinical Care - Jeanne Daly 2005-05-11

Patient management is the central clinical task of medical care. Until the 1970s, there was no generally accepted method of ensuring a scientific, critical approach to clinical decision making. And while traditional clinical authority was under attack, there was increasing concern about the way in which doctors made decisions about patient care. In this book, Jeanne Daly traces the origins, essential features, and achievements of evidence-based medicine and clinical epidemiology over the past few decades. Drawing largely on interviews with key players, she offers unique insights into the ways that practitioners of evidence-based medicine set out to generate scientific knowledge about patient care and how, in the process, they reshaped the way medicine is practiced and administered.

Source Book of Medical History - Logan Clendening 1960-01-01

One hundred and twenty-four selections survey the outstanding writings and discoveries in all aspects of medicine

The Practice of Reform in Health, Medicine, and Science, 1500-2000 - Scott Mandelbrote 2017-07-05

Histories of medicine and science are histories of political and social change, as well as accounts of the transformation of particular disciplines over time. Taking their inspiration from the work of Charles Webster, the essays in this volume consider the effect that demands for social and political reform have had on the theory and, above all, the practice of medicine and science, and on the promotion of human health, from the Renaissance and Enlightenment up to the present. The eighteen essays by an international group of scholars provide case studies, covering a wide range of locations and contexts, of the successes and failures of reform and reformers in challenging the status quo. They discuss the impact of religious and secular ideologies on ideas about the

nature and organization of health, medicine, and science, as well as the effects of social and political institutions, including the professions themselves, in shaping the possibilities for reform and renewal. The *Practice of Reform in Health, Medicine, and Science, 1500-2000* also addresses the afterlife of reforming concepts, and describes local and regional differences in the practice and perception of reform, culminating in the politics of welfare in the twentieth century. The authors build up a composite picture of the interaction of politics and health, medicine, and science in western Europe over time that can pose questions for the future of policy as well as explaining some of the successes and failures of the past.

Anaesthesia and the Practice of Medicine: Historical Perspectives - Keith Sykes 2021-08-06

Written by two anaesthetists, one British and one American, this unique book focuses on the transatlantic story of anaesthesia. The authors have both worked at the two hospitals where the first general anaesthetics for surgery were given in 1846, Massachusetts General Hospital in Boston, Massachusetts and University College Hospital, London. Each with more than fifty years' experience of working in anaesthesia, they combine their knowledge and expertise to offer a fresh outlook on the development of anaesthesia through the ages. This highly informative and intriguing text details the origins of anaesthesia, outlines the different techniques of anaesthesia and traces its progress with illuminating and enlightening commentaries. This is a fascinating book which considers the role key figures have played in developing anaesthesia including, Queen Victoria, William Morris, La Condamine, Bjorn Ibsen and Henry Beecher. Broken down into four sections, which are divided into easy-to-read chapters and filled with top quality photographs, this book makes compelling reading. It is recommended to all those interested in the history and development of medicine through the ages, and is of particular interest to anaesthetists. More than just the science of anaesthesia, this is the story about the people and personalities who have made anaesthesia what it is today.

Applications of Modern Physics in Medicine - Mark Strikman

2014-12-21

The connections between modern physics and medical technology Many remarkable medical technologies, diagnostic tools, and treatment methods have emerged as a result of modern physics discoveries in the last century—including X-rays, radiation treatment, laser surgery, high-resolution ultrasound scans, computerized tomography (CT) scans, and magnetic resonance imaging. This undergraduate-level textbook describes the fundamental physical principles underlying these technological advances, emphasizing their applications to the practice of modern medicine. Intended for science and engineering students with one year of introductory physics background, this textbook presents the medical applications of fundamental principles of physics to students who are considering careers in medical physics, biophysics, medicine, or nuclear engineering. It also serves as an excellent reference for advanced students, as well as medical and health researchers, practitioners, and technicians who are interested in developing the background required to understand the changing landscape of medical science. Practice exercises are included and solutions are available separately in an instructor's manual. Complete discussion of the fundamental physical principles underlying modern medicine Accessible exploration of the physics encountered in a typical visit to a doctor Practice exercises are included and solutions are provided in a separate instructor's manual (available to professors) A companion website (modernphysicsinmedicine.com) presents supplementary materials

Medical Wisdom and Doctoring - Robert Taylor 2010-02-05

Medical Wisdom and Doctoring aims to fill a need in the current medical literature for a resource that presents some of the classic wisdom of medicine, presented in a manner that can help today's physicians achieve their full potential. This book details the lessons every physician should have learned in medical school but often didn't, as well as classic insights and examples from current clinical literature, medical history, and anecdotes from the author's long and distinguished career in medicine. *Medical Wisdom and Doctoring: the Art of 21st Century Practice* presents lessons a physician may otherwise need to learn from

experience or error, and is sure to become a must-have for medical students, residents and young practitioners.

Philosophy of Medicine - Dov M. Gabbay 2011-08-23

This volume covers a wide range of conceptual, epistemological and methodological issues in the philosophy of science raised by reflection upon medical science and practice. Several chapters examine such general meta-scientific concepts as discovery, reduction, theories and models, causal inference and scientific realism as they apply to medicine or medical science in particular. Some discuss important concepts specific to medicine (diagnosis, health, disease, brain death). A topic such as evidence, for instance, is examined at a variety of levels, from social mechanisms for guiding evidence-based reasoning such as evidence-based medicine, consensus conferences, and clinical trials, to the more abstract analysis of experimentation, inference and uncertainty. Some chapters reflect on particular domains of medicine, including psychiatry, public health, and nursing. The contributions span a broad range of detailed cases from the science and practice of medicine, as well as a broad range of intellectual approaches, from conceptual analysis to detailed examinations of particular scientific papers or historical episodes. Chapters view philosophy of medicine from quite different angles. Considers substantive cases from both medical science and practice. Chapters from a distinguished array of contributors.

Medical Herbalism - David Hoffmann 2003-10-24

A foundational textbook on the scientific principles of therapeutic herbalism and their application in medicine • A complete handbook for the medical practitioner • Includes the most up-to-date information on preparations, dosage, and contraindications • By the author of *The Complete Illustrated Holistic Herbal* *Medical Herbalism* contains comprehensive information concerning the identification and use of medicinal plants by chemical structure and physiological effect, the art and science of making herbal medicine, the limitations and potential of viewing herbs chemically, and the challenge to current research paradigms posed by complex plant medicines. It also includes information on toxicology and contraindications, the issues involved in

determining dosage and formulation types for an individual, guides to the different measurement systems and conversion tables, and the pros and cons of both industrial and traditional techniques. With additional sections devoted to the principles of green medicine, the history of Western Herbalism, the variety of other medical modalities using medicinal plants, an extensive resource directory, and a discussion of treatments organized by body system, *Medical Herbalism* is the comprehensive textbook all students and practitioners of clinical herbalism need to develop their healing practices.

Health and Medicine in the Christian Science Tradition - Robert Peel 1988

Discusses the Christian Scientist position on suffering, mortality, sexual morality, feminism, nursing care, and biblical authority

Science and Medicine in France - John E. Lesch 2013-10-01

Back to Balance - Halee Fischer-Wright 2017-09

"Dr. Halee Fischer-Wright presents a unique prescription for fixing America's health care woes, based on her thirty years of experience as a physician and industry leader."--

Soviet Medicine - Frances Lee Bernstein 2010-11-01

Thanks to the opening of archives and the forging of exchanges between Russian and Western scholars interested in the history of medicine, it is now possible to write new forms of social and political history in the Soviet medical field. Using the lenses of critical social histories of healthcare and medical science, and looking at both new material from Russian archives and interviews with those who experienced the Soviet health system, the contributors to this volume explore the ways experts and the Soviet state radically reshaped medical provision after the Revolution of 1917. *Soviet Medicine* presents the work of an international group of leading scholars. Twelve essays—treating subjects that span the 74-year history of the Soviet Union—cover such diverse topics as how epidemiologists handled plague on the Soviet borderlands in the revolutionary era, how venereologists fighting sexually transmitted disease struggled to preserve the patient's right to secrecy, and how

Soviet forensic experts falsified the evidence of the Katyn Forest massacre of 1940. This important volume demonstrates the crucial role played by medical science, practice, and culture in the shaping of a modern Soviet Union and illustrates how the study of Soviet medical history can benefit historians of medicine, science, the Soviet Union, and social and gender historians.

Dissemination and Implementation Research in Health - Ross C.

Brownson 2017-12-05

Fifteen to twenty years is how long it takes for the billions of dollars of health-related research to translate into evidence-based policies and programs suitable for public use. Over the past 15 years, an exciting science has emerged that seeks to narrow the gap between the discovery of new knowledge and its application in public health, mental health, and health care settings. Dissemination and implementation (D & I) research seeks to understand how to best apply scientific advances in the real world, by focusing on pushing the evidence-based knowledge base out into routine use. To help propel this crucial field forward, leading D & I scholars and researchers have collaborated to put together this volume to address a number of key issues, including : how to evaluate the evidence base on effective interventions; which strategies will produce the greatest impact; how to design an appropriate study; and how to track a set of essential outcomes. D & I studies must also take into account the barriers to uptake of evidence-based interventions in the communities where people live their lives and the social service agencies, hospitals, and clinics where they receive care. The challenges of moving research to practice and policy are universal, and future progress calls for collaborative partnerships and cross-country research. The fundamental tenet of D & I research--taking what we know about improving health and putting it into practice--must be the highest priority. This book is nothing less than a roadmap that will have broad appeal to researchers and practitioners across many disciplines. [Ed.]. Biochemistry and Disease - Robert M. Cohn 1996

The Principles and Practice of Medicine - John D. Stobo 1996-07-15

Completely rewritten by the internal medicine faculty at Johns Hopkins, this is a brand-new version of Harvey's classic book.

Medicine Before Science - Roger French 2003-02-20

This book offers an introduction to the history of university-trained physicians from the middle ages to the eighteenth-century Enlightenment. These were the elite, in reputation and rewards, and they were successful. Yet we can form little idea of their clinical effectiveness, and to modern eyes their theory and practice often seems bizarre. But the historical evidence is that they were judged on other criteria, and the argument of this book is that these physicians helped to construct the expectations of society--and met them accordingly.

The History of Medicine: A Very Short Introduction - William Bynum 2008-07-31

Against the backdrop of unprecedented concern for the future of health care, this i Very Short Introduction/i surveys the history of medicine from classical times to the present. Focussing on the key turning points in the history of Western medicine - such as the advent of hospitals and therise of experimental medicine - but also offering reflections on alternative traditions such as Chinese medicine, Bill Bynum offers insights into medicine's past, while at the same time engaging with contemporary issues, discoveries, and controversies.

Bridging the Bed-Bench Gap - National Research Council 2004-03-05

Since the 1970s there has been a serious gap between fundamental biological research and its clinical application. In response to this gap the Lucille P. Markey Charitable Trust instituted the General Organizational Grants program, which funded two types of awards to provide training that would bridge the bed-bench gap. These training awards fell into two categories: (1) those that provided significant opportunities for M.D.s to engage in basic research during and immediately following medical school and residency, and (2) those that provided significant clinical exposure for Ph.D.s while they were predoctoral or postdoctoral students. These grants were intended to close the widening gap between rapid advances in our understanding of the biological process and the translation of that knowledge into

techniques for preventing diseases. This report examines the General Organizational Grant programs, identifies best practices, and provides observations for future philanthropic funders.

Science and the Practice of Medicine in the Nineteenth Century -

W. F. Bynum 1994-05-27

W. F. Bynum argues that 'modern' medicine is built upon foundations established between 1800 and the beginning of World War I.