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Insights into Medical Discovery

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Retrospectroscope Insights Into Medical Discovery

**Petter Laake, Haakon Breien
Benestad, Bjorn R. Olsen**



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Retrospectroscope Julius Hiram Comroe, 1977 **Unstable Frontiers** John Nguyet Erni, 1994-01-01 Minnesota Archive Editions uses digital technology to make long unavailable books once again accessible to scholars students researchers and general readers Rich with historical and cultural value these works are published unaltered from the original University of Minnesota Press editions The books offered through Minnesota Archive Editions are produced in limited quantities according to customer demand and are available through select distribution partners *Oxford Textbook of the Newborn* Michael Obladen, 2021-08-11 Well into the 20th century one in four newborns failed to survive their first year of life It was after World War II that medicine discovered the newborn as a human being entitled to medical treatment and prioritised care Since its definition by Alexander Schaffer in 1960 neonatology has evolved into a mature innovative and ethical field A large number of medical professionals care for neonates yet no definitive medical history of the newborn has been available until now The Oxford Textbook of the Newborn A Cultural and Medical History offers readers a unique and authoritative resource on the 3000 year history of the newborn within Western societies Written by Professor Michael Obladen a leading voice in neonatology this book reflects on our perception of newborns from the earliest days of human thought through to the traces that remained in medieval life and persist today It unearths ideas and evidence of societies perceptions of newborns through a beautifully illustrated impressive and often never seen before set of historical sources from libraries archives churches excavation fields and hospital charts around the world Split into 8 sections which each cover aspects of the natural lifecycle of a neonate this book demonstrates the impact of religion law ethics philosophy and culture on newborns quality of life and covers fascinating topics such as the rites of passage for the newborn infanticide opium use breastfeeding and artificial feeding Each chapter is written in an accessible style and includes high quality historical illustrations which really bring the subject to life **The Practice of Electrocardiography** Thomas M. Blake, 2012-12-06 Electrocardiography is a mature discipline so familiar to both doctors and patients that it is hardly noticed one of those tests that have always been there like the white count and hemoglobin not something one has to think about much or question To some extent this view is valid but it overlooks some important points Like the white count and hemoglobin electrocardiograms are produced by technicians using mechanical devices that turn out numbers but there is a difference The white count and hemoglobin are reported as single values to be interpreted by the doctor who knows the patient and ordered the test but the graph produced by an EKG machine represents millions of numbers displayed as XY plots a message written in a language different from one's own It requires translation and this means that the translator must not only know the language but also be able to assess the effects on it of the many factors that may have modified its meaning between origin and delivery There is potential for harm to the patient as well as for help in every facet of the process and to lose sight of this to see the tracing as a single whole would be like seeing words as units without considering the letters that compose

them When we read we do recognize whole words patterns but having learned the letters first revert to this base intuitively when we encounter a new word or one that is misspelled *Respiratory Physiology* John B West,2013-05-27 Present day respiratory physiology stems largely from the explosion of ideas which took place during and after World War II A number of the major players are still active but the opportunity to prepare a personal history of this branch of medicine will soon be lost In a sense then this book offers an exceptional even unique opportunity We are offered a first hand chronicle of the advancements made in respiratory physiology in the course of this century by one of the principal figures in the field The volume covers every aspect of the evolution of this important area of knowledge morphology gas exchange and blood flow mechanics control of ventilation and comparative physiology Some of the chapters are personal accounts of the development of respiratory physiology as observed by the author It is hoped that what is lost in objectivity by this approach is more than made up by the captivating insights provided by the author into the process of scientific research and discovery Status of the Artificial Heart Program United States. Congress. House. Committee on Science and Technology. Subcommittee on Investigations and Oversight,1986 **Lung Surfactant Function and Disorder** Kaushik Nag,2005-05-13 The only source to describe the lung surfactant as a complex membranous system this guide analyzes lung surfactant function from the aspects of molecular biology biophysics membrane science and surface and interface analysis and reviews the latest basic and clinical issues relating to lung disease and dysfunction **Current Catalog** National Library of Medicine (U.S.), First multi year cumulation covers six years 1965-70 **Anaesthesia** Z. Lett,1984-01-01 This recent publication is a unique contribution to the history of specialized medicine in Hong Kong Written by two of Hong Kong's foremost practitioners and teachers of anaesthesiology the work details the history of this specialty in Hong Kong including early pioneers the development of the Society of Anaesthetists the teaching of anaesthesiology at undergraduate and postgraduate levels the establishment of the Hong Kong College of Anaesthesiologists and recent developments in clinical anaesthesiology A wide range of appendices including lists of successive office holders of the specialist societies lists of scientific meetings relating to anaesthesiology held in Hong Kong and over 30 pages of plates featuring prominent personages in the field of anaesthesiology ensure that this will remain a landmark volume in recording the development of anaesthesiology in Hong Kong Ecological and Environmental Physiology of Mammals Philip C. Withers,Christine E. Cooper,Shane K. Maloney,Francisco Bozinovic,Ariovaldo P. Cruz Neto,2016-11-10 Mammals are the so called pinnacle group of vertebrates successfully colonising virtually all terrestrial environments as well as the air bats and sea especially pinnipeds and cetaceans How mammals function and survive in these diverse environments has long fascinated mammalogists comparative physiologists and ecologists Ecological and Environmental Physiology of Mammals explores the physiological mechanisms and evolutionary necessities that have made the spectacular adaptation of mammals possible It summarises our current knowledge of the complex and sophisticated physiological approaches that mammals have for survival in a wide variety of

ecological and environmental contexts terrestrial aerial and aquatic The authors have a strong comparative and quantitative focus in their broad approach to exploring mammal ecophysiology As with other books in the Ecological and Environmental Physiology Series the emphasis is on the unique physiological characteristics of mammals their adaptations to extreme environments and current experimental techniques and future research directions are also considered This accessible text is suitable for graduate level students and researchers in the fields of mammalian comparative physiology and physiological ecology including specialist courses in mammal ecology It will also be of value and use to the many professional mammalogists requiring a concise overview of the topic

The Science of Serendipity Matt Kingdon, 2013-02-08 Innovation The word might make you think of Silicon Valley But innovation isn't the sole province of start ups They didn't invent it and they're not always the ones from which we can best learn As Matt Kingdon argues in The Science of Serendipity it's corporate innovators battling within large established organisations who are the field's real heroes Tapping into 20 years of experience on the front lines of innovation bringing new products and services to market and helping organisations become more creative Kingdon dissects the ways in which corporations are continually reborn He looks at the anatomy of innovation asking How do time pressed executives go about taking risks How do they prepare to see and seize opportunity And how do you place humans with all of their fears and foibles at the heart of commercial success In a conversational jargon free style built on a practitioner's observations and anecdotes The Science of Serendipity traces the dilemmas that executives in a wide variety of firms face It details the steps taken to overcome the issues and get great ideas across the finish line If you're looking for a guide in your fight against the corporate machine this is the business book for you Matt Kingdon is the Co founder Chairman and Chief Enthusiast of What If Innovation Partners For 20 years What If has partnered with the world's most successful forward looking companies businesses such as Barclays Four Seasons Google PepsiCo Pfizer and Virgin to galvanise innovation and deliver impact Its 250 inventors work across the Americas Europe and Asia

Federally Funded Research: Decisions for a Decade, 1991 Federally Funded Research United States. Congress. Office of Technology Assessment, 1991

Biographical Memoirs National Academy of Sciences, 2001-08-27 Biographic Memoirs Volume 79 contains the biographies of deceased members of the National Academy of Sciences and bibliographies of their published works Each biographical essay was written by a member of the Academy familiar with the professional career of the deceased For historical and bibliographical purposes these volumes are worth returning to time and again

Happy Accidents Morton A. Meyers, 2007 This is Morton Meyers fascinating entertaining and highly accessible look at the surprising role serendipity played in some of the most important medical discoveries in the 20th century Though within the scientific community a certain stigma is attached to chance discovery because it is wrongly seen as pure luck happy accidents happen every day and Meyers shows how it takes intelligence insight and creativity to recognize a Eureka I found what I wasn't looking for moment and know what to do next Penicillin chemotherapy drugs X rays Valium the Pap smear and Viagra were all

discovered accidentally stumbled upon in search of something else In discussing these medical breakthroughs and others Dr Meyers makes a cogent highly engaging argument for a more creative rather than purely linear approach to science

UCSF News University of California, San Francisco, 1977 *Introduction to Reference Sources in the Health Sciences* Jeffrey T. Huber, Susan Swogger, 2014-04-22 Prepared in collaboration with the Medical Library Association this completely updated revised and expanded edition lists classic and up to the minute print and electronic resources in the health sciences helping librarians find the answers that library users seek **A Century of X-Rays and Radioactivity in Medicine** R.F Mould, 1993-01-01 A Century of X Rays and Radioactivity in Medicine With Emphasis on Photographic Records of the Early Years celebrates three great discoveries x rays 1895 radioactivity 1896 and radium 1898 and recalls the pioneering achievements that founded the new science of radiology and changed the face of medicine forever Over 700 historical illustrations with full and informative captions are supported by short introductory essays to illuminate the fascinating radiological past in an easy to read style The focus of this book is on the historically more interesting early years of discovery invention diagnosis therapy dosimetry risk and protection Interspersed with a variety of radiological anecdotes the photographic record is complemented by archival accounts of the pioneer scientists and physicians and their early patients In the chapters on diagnostic techniques radiotherapy and nuclear medicine the author contrasts old methods with newer technologies He also includes two fascinating chapters on museum and industrial applications of radiography The book is comprehensively indexed for easy retrieval of the wide variety of people techniques apparatus and examples featured throughout this radiological journey **Research Methodology in the Medical and Biological Sciences** Petter Laake, Haakon Breien Benestad, Bjorn R. Olsen, 2007-11-05 Providing easy to access information this unique sourcebook covers the wide range of topics that a researcher must be familiar with in order to become a successful experimental scientist Perfect for aspiring as well as practicing professionals in the medical and biological sciences it discusses a broad range of topics that are common yet not traditionally considered part of formal curricula The information presented also facilitates communication across conventional disciplinary boundaries in line with the increasingly multidisciplinary nature of modern research projects Perfect for students with various professional backgrounds providing a broad scientific perspective Easily accessible concise material makes learning about diverse methods achievable in today's fast paced world

Neonatal Respiratory Distress Philip M Farrell, 2013-09-03 Lung Development Biological and Clinical Perspectives Volume II Neonatal Respiratory Distress is a collection of papers that addresses the needs of small infants who have respiratory diseases This volume deals with fetal lung development with emphasis on hyaline membrane disease This book also presents basic information on pulmonary surfactant in the clinical area particularly in 1 diagnosis and movement of neonatal respiratory distress 2 prenatal assessment of fetal lung maturity and 3 prevention of hyaline membrane disease with corticosteroid therapy One paper reviews the essential clinical aspects of hyaline membrane disease while another paper

discusses data of the physiology of surfactant from a patient with hyaline membrane disease Another paper examines the radiology of hyaline membrane disease transient tachypnea of the newborn and bronchopulmonary dysplasia this paper also describes the radiographic techniques to be applied on infants Other papers cite a treatment using antepartum glucocorticoid as well as other clinical trials involving antenatal corticosteroid One paper proposes a design and organization of a multicenter clinical trial that will study the effects of corticosteroid in the development of the human lung This book can prove useful for pediatricians specialists in respiratory diseases and researchers whose work involves cardiovascular medicine and radiology

Reviewing **Retrospectroscope Insights Into Medical Discovery**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is really astonishing. Within the pages of "**Retrospectroscope Insights Into Medical Discovery**," an enthralling opus penned by a very acclaimed wordsmith, readers set about an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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web the relative electronegativities of the bonded atoms is h c cl and so the bond moments all point toward the cl end of the molecule and sum to yield a considerable dipole moment the molecules are relatively polar for molecules of high symmetry such as bf₃ trigonal planar ch₄ tetrahedral pf₅ trigonal bipyramidal and sf₆

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