

## Life-Threatening Amniotic Fluid Emboli Requiring Massive Blood Transfusion and Veno-Arterial Extracorporeal Membrane Oxygenation Therapy: Case Report and Review of the Literature

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### ABSTRACT

**Background:** Amniotic fluid embolism (AFE) is a rare and disastrous condition that occurs during labor or soon after delivery. Its course is abrupt and rapidly progressive and may result in cardiorespiratory collapse, profound hemorrhage and multi organ failure. Mortality and morbidity are high, with many survivors suffering major neurologic sequelae. Disseminated intravascular coagulation (DIC), severe coagulopathy and hemorrhage may pose a risk for extracorporeal membrane oxygenation (ECMO) therapy due to the need of full anticoagulation treatment.

**Case Report:** A 41 year old healthy parturient who developed fulminant AFE during cesarean delivery, accompanied by cardiac arrest, severe acute respiratory distress syndrome and DIC with profound obstetric hemorrhage. She was placed on veno-arterial ECMO as a rescue therapy and required more than 550 blood products. She had concomitant septic shock with E-coli bacteremia due to chorioamnionitis. Despite prolonged and complicated ICU course, including recurrent hemorrhage, multiple surgeries and sepsis, she survived to hospital discharge without neurologic sequelae.

**Conclusion:** ECMO therapy may be considered as a rescue therapy in AFE cases, refractory to standard cardiorespiratory support, despite the increased risk for hemorrhage under full anticoagulation therapy. Interdisciplinary coordination is mandatory for a good outcome.

### Keywords

Amniotic fluid emboli, Arterio-venous extracorporeal membrane oxygenation therapy, Disseminated intravascular coagulation, Acute respiratory distress syndrome, Septic shock, Massive blood transfusion.

### Introduction

Amniotic fluid embolism (AFE) is a rare and disastrous condition that occurs during labor or delivery. It is a diagnosis of exclusion, and should be suspected in pregnant or recently

post-partum women with sudden cardiovascular compromise. Clinical findings include hypoxemia, seizures, sudden loss of consciousness, shock and cardiac arrest. Profound bleeding and disseminated intravascular coagulation soon appear. Differential diagnosis includes peripartum hemorrhage, severe pre-eclampsia or eclampsia, pulmonary embolism, sepsis or septic shock and peripartum cardiomyopathy.

Diagnostic criteria were proposed by the society for maternal-fetal medicine (SMFM), including sudden onset of cardiorespiratory

# Quest For Life A Holistic Approach To Lifethreatening Diseases

**David Simon, M.D., Deepak Chopra,  
M.D.**



## **Quest For Life A Holistic Approach To Lifethreatening Diseases:**

*Quest for Life* Petrea King,1988      **Counseling Individuals With Life-Threatening Illness** Kenneth J.

Doka,2008-09-15 With a Foreword by Robert A Neimeyer PhD Where was this book when I was new as a counselor Fortunately it is here now and with all the scope depth resourcefulness and balance required for such situations Dr Robert Kastenbaum PhD This book will now be an indispensable resource for anyone who wants to understand counsel or otherwise help individuals with life threatening illnesses and their family members Charles A Corr PhD CT Without question this is the book you ll want your own caregivers to have read should you ever contend with life threatening illness Therese A Rando PhD BCETS BCBT Life threatening illness is not only a medical crisis it is a psychological social and spiritual crisis as well Also serious illness affects not only the patient but the patient s family Therefore the two major premises of this book are that care in life threatening illness must be holistic and it must be family centered Doka presents an insightful comprehensive guide for counselors social workers and health care professionals as they assist clients experiencing a serious illness The book builds on a model developed by the author based upon earlier work by Avery Weisman and E M Patterson Doka s model presents illness as a series of phases Prediagnostic individuals may decide how to handle troubling symptoms or to take certain diagnostic tests Diagnostic centered on the existential crisis posed by the diagnosis Chronic individuals must cope with the disease and treatment Recovery acknowledges that even when individuals survive an encounter with life threatening illness there are still considerable issues that must be resolved Terminal phase individuals deal with the inevitability of death In his discussion of each phase the author delineates specific tasks for patients to perform and the issues they must adapt to He also presents strategies for counselors and health care professionals to use with individuals in each phase of illness

That all may live! Chitando, Ezra,Mombo, Esther,Gunda, Masiwa Ragies,2021-10-13 This volume of BiAS ERA is a Festschrift honouring Nyambura J Njoroge She is an outstanding woman theologian whose work straddles diverse fields and disciplines Inspired by her rich and impressive uvre in this volume friends and colleagues of her among them celebrities like Musa Dube Gerald West Fulata Moyo Ezra Chitando and others explore how religion and theology in diverse contexts can become more life giving Contributors from many countries and different continents explore themes such as African women s leadership theological education HIV AIDS lament the Bible and liberation adolescents and young women sexual diversity and others Collectively the volume expresses Nyambura s consistent commitment to the full liberation of all human beings in fulfilment of the gospel s promise that all may have life and have it to the full John 10 10      *Encyclopedia of Death & Human Experience* Clifton D. Bryant,Dennis L. Peck,2009-07-15 This two volume Encyclopdia through multidisciplinary and international contributions and perspectives organizes defines and clarifies more than 300 death related concepts

**Storytelling** Michael Wilson,2022-06-07 Exploring the potential for storytelling as a creative practice for health and well being Michael Wilson considers how the art form might help us reconsider the power relationships in healthcare contexts

and restore agency to patients in partnership with medical professionals

**Quantitative Methods for Traditional Chinese Medicine Development** Shein-Chung Chow, 2015-10-15 In recent years many pharmaceutical companies and clinical research organizations have been focusing on the development of traditional Chinese herbal medicines TCMs as alternatives to treating critical or life threatening diseases and as pathways to personalized medicine Quantitative Methods for Traditional Chinese Medicine Development is the first book entirely devoted to the design and analysis of TCM development from a Western perspective i e evidence based clinical research and development The book provides not only a comprehensive summary of innovative quantitative methods for developing TCMs but also a useful desk reference for principal investigators involved in personalized medicine Written by one of the world s most prominent biostatistics researchers the book connects the pharmaceutical industry regulatory agencies and academia It presents a state of the art examination of the subject for Scientists and researchers who are engaged in pharmaceutical clinical research and development of TCMs Those in regulatory agencies who make decisions in the review and approval process of TCM regulatory submissions Biostatisticians who provide statistical support to assess clinical safety and effectiveness of TCMs and related issues regarding quality control and assurance as well as to test for consistency in the manufacturing processes for TCMs This book covers all of the statistical issues encountered at various stages of pharmaceutical clinical development of a TCM It explains regulatory requirements product specifications and standards and various statistical techniques for evaluation of TCMs validation of diagnostic procedures and testing consistency

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**Textbook of Palliative Care** Roderick Duncan MacLeod, Lieve Van den Block, 2025-02-25 This second edition provides the most up to date information on all aspects of palliative care including recent developments including COVID 19 global policies service provision symptom management professional aspects organization of services palliative care for specific populations palliative care emergencies ethical issues in palliative care research in palliative care public health approaches and financial aspects of care This new Textbook of Palliative Care remains a unique comprehensive clinically relevant and state of the art book aimed at advancing palliative care as a science a clinical practice and as an art Palliative care has been part of healthcare for over fifty years but it still needs to be explained to many Healthcare education and training has been slow to recognize the vital importance of ensuring that all practitioners have a good understanding of what is involved in the care of people with serious or advanced illnesses and their families However the science of palliative care is advancing and this

new edition will contribute to a better understanding This new edition offers 86 updated or new chapters out of 108 written by experts in their given fields providing up to date information on a wide range of topics of relevance to those providing care towards the end of life no matter what the disease may be We present a global perspective on contemporary and classic issues in palliative care with authors from a wide range of disciplines involved in this essential aspect of care The Textbook includes sections addressing aspects such as symptom management and care provision organization of care in different settings care in specific disease groups palliative care emergencies ethics public health approaches and research in palliative care This new Textbook will be of value to practitioners in all disciplines and professions where the care of people approaching death is important specialists as well as non specialists in any setting where people with serious advanced illnesses are residing It is also an important resource for researchers policy and decision makers at national or regional levels Neither the science nor the art of palliative care will stand still so the Editors and contributors from all over the world aim to keep this Textbook updated so that the reader can find new evidence and approaches to care

**Lubkin's Chronic Illness: Impact and Intervention** Pamala D. Larsen, 2021-10-29 Lubkin's Chronic Illness Impact and Intervention Eleventh Edition provides a solid foundation for nursing students by teaching them the skills and knowledge they need to care for patients experiencing illness

**Improving Wellbeing in Patients With Chronic Conditions: Theory, Evidence, and Opportunities** Andrew Kemp, Jeremy Tree, Fergus Gracey, Zoe Fisher, 2022-04-11 [Oxford Textbook of Global Health of Women, Newborns, Children, and Adolescents](#) Delan Devakumar, Jennifer Hall, Zeshan Qureshi, Joy Lawn, 2019 The aim of this book is to provide a summary of the current concepts and challenges in global maternal and child health in a format that appeals to students of the subject the general public and current practitioners in the field It also provides study exercises that may inform tutors on undergraduate and postgraduate courses

*Person Centered Approach to Recovery in Medicine* Luigi Grassi, Michelle B. Riba, Thomas Wise, 2018-12-07 This book offers a resource to aid in implementing psychosocial screening assessment and consequently integrating prevention care and treatment i e pharmacological psychosocial rehabilitation and psychotherapeutic in medicine It is becoming increasingly recognized that one method of combating spiraling health care costs in developed nations is to integrate psychiatric care into medicine including primary care settings This volume reviews the main issues relative to the paradigm of a person centered and recovery oriented approach that should imbue all medical areas and specialties It proposes integration methods in screening and assessment clinimetric approach dignity conserving care cross cultural and ethical aspects treatment and training as a basic and mandatory need of a whole psychosomatic approach bridging the several specialties in medicine As such the book addresses a topic that all physicians including primary care and psychiatric professionals in a wide variety of mental health settings are currently discussing planning and preoccupied with namely the task of integrating mental health into all the medical fields including primary care cardiology psychiatry oncology and so on

**The Chopra Center Herbal Handbook** David Simon,

M.D.,Deepak Chopra, M.D.,2013-06-19 People around the world are increasingly working with their own bodies to restore balance They re using medicinals found in nature to avoid the side effects of antibiotics and turning to traditions that have passed the test of time The oldest medical system of all is Ayurveda which dates back 5 000 years to its origins in India In The Chopra Center Herbal Handbook Deepak Chopra M D and David Simon M D draw on the forty most important herbs of Ayurveda from aloe and amrit to ginger and winter cherry to create a practical popular reference book that shows how to strengthen immunity rejuvenate the body boost energy and detoxify the system Each listing in The Chopra Center Herbal Handbook contains botanical information scientific research instructions on using the herb a line drawing precautions and most important the specific ailments each herb is best suited to remedy including those involving digestion mind and emotions women s and men s health matters metabolism pain arthritis and inflammation circulation and many more

**The Secrets of Immortality** Prof. Dr. Ernst von Schwarz,2023-08-01 In view of progressive research advances in biotechnology and medicine the prospect of living longer increased longevity increased health span and even biologic immortality has become more real than ever before The Secrets of Immortality evaluates humankind s continuous quest for immortality an integral part of human nature With hundreds of millions of dollars being spent on anti aging and immortality research some futurists believe that within a few decades man will be able to live up to 150 years if not more Some believe that the first person to live up to 1000 years old is already alive today While this sounds like a premise from science fiction The Secrets of Immortality describes the current state of biotechnology and medical research data and the possibilities of anti aging and natural or biologic immortality within the near future Prof Dr Ernst von Schwarz wrote The Secrets of Immortality from a theological point of view examining everlasting life from the perspective of different religions with a main emphasis on the Roman Catholic tradition Dr Schwarz is a physician transplant cardiologist and researcher but he is also a theologian offering a unique perspective to longevity and immortality

**Oxford Textbook of Spirituality in Healthcare** Mark Cobb,Christina Puchalski,Bruce Rumbold,2012-08-09 The relationship between spirituality and healthcare is historical intellectual and practical and it has now emerged as a significant field in health research healthcare policy and clinical practice and training Understanding health and wellbeing requires addressing spiritual and existential issues and healthcare is therefore challenged to respond to the ways spirituality is experienced and expressed in illness suffering healing and loss If healthcare has compassionate regard for the humanity of those it serves it is faced with questions about how it understands and interprets spirituality what resources it should make available and how these are organised and the ways in which spirituality shapes and informs the purpose and practice of healthcare These questions are the basis for this resource which presents a coherent field of enquiry discussion and debate that is interdisciplinary international and vibrant There is a growing corpus of articles in medical and healthcare journals on spirituality in addition to a wide range of literature but there has been no attempt so far to publish a standard text on this subject Spirituality in Healthcare is an authoritative reference on the subject

providing unequalled coverage critical depth and an integrated source of key topics Divided into six sections including practice research policy and training the project brings together international contributions from scholars in the field to provide a unique and stimulating resource      Clinical Management of Children's Voice Disorders Christopher J. Hartnick, Mark E. Boseley, 2010-03-01 Written for SLPs who care for children with vocal disorders this is the second book by the team who wrote *Pediatric Voice Disorders* This new publication is specially designed for SLPs to have access to the medical information at a special price To that end certain chapters have been removed from *Pediatric Voice Disorders* which focuses on the techniques of surgical care and other chapters have been reshaped to highlight issues of office based diagnosis and intervention Several new chapters have been added including a fascinating and comprehensive chapter by Katherine Verdolini which reviews the literature regarding voice therapy in children as well as an additional chapter on the work up and treatment of children with Velopharyngeal Insufficiency The authors have provided a cross fertilization of thoughts and ideas that comes from putting together a seemingly diverse group of specialists and having them focus on specific pediatric disease based and pediatric voice pathology based topics Within this book members of each specialty attend to these questions and comment upon how the specialties can best work together towards obtaining diagnoses and rendering unified and comprehensive treatment      **Textbook of Palliative Nursing** Department of Nursing Education and Research City of Hope National Medical Center Betty R. Ferrell Research Scientist, Supportive Care Program Nessa Coyle Director, Pain & Palliative Service Department of Neurology Memorial Sloan-Kettering Cancer Center, 2005-11-10 Originally published in 2001 the *Textbook of Palliative Nursing* has become the standard text for the field of hospice and palliative care nursing In this new edition the authors and editors have updated each chapter to ensure that the content is evidence based and current references are included They also have retained the important focus on case studies throughout the text and practical clinically relevant tables figures and other resources Like the previous edition this text has an introductory section of the general principles of palliative care followed by a comprehensive section on symptom assessment and management encompassing twenty one different symptoms Other key sections include psychosocial support and spiritual care providing holistic perspective on care of patients facing advanced disease The text also includes an innovative section on special populations addressing those most in need of palliative care The textbook is a useful resource for all nurses with the excellent section on end of life care across settings In this new edition the pediatric palliative care section has been greatly expanded and includes seven separate chapters on pediatric care It includes a section on special issues addressing topics such as ethical considerations nursing research and public policy perspectives and concludes with a section presenting models of excellence including six international models This edition also offers a narrative on dying based on a spouse's perspective The text includes an appendix with an extensive list of resources for nurses in the field      *The Handbook of Salutogenesis* Maurice B. Mittelmark, Shifra Sagy, Monica Eriksson, Georg F. Bauer, Jürgen M. Pelikan, Bengt Lindström, Geir

Arild Espnes,2016-09-02 This in depth survey of salutogenesis shows the breadth and strengths of this innovative perspective on health promotion health care and wellness Background and historical chapters trace the development of the salutogenic model of health and flesh out the central concepts most notably generalized resistance resources and the sense of coherence that differentiate it from pathogenesis From there experts describe a range of real world applications within and outside health contexts from positive psychology to geriatrics from small towns to corrections facilities and from school and workplace to professional training Perspectives from scholars publishing in languages other than English show the global relevance of the field Among the topics in the Handbook Emerging ideas relevant to the salutogenic model of health Specific resistance resources in the salutogenic model of health The sense of coherence and its measurement The application of salutogenesis in communities and neighborhoods The application of salutogenesis to health development in youth with chronic conditions The application of salutogenesis in mental health care settings The Handbook of Salutogenesis summarizes an increasingly salient field for graduate and professional students of public health nursing psychology and medicine and for their instructors It will also appeal to health related academicians and professionals who wish to have a thorough grounding in the topic

*Cancer and the Search for Selective Biochemical Inhibitors* E.J. Hoffman,2007-06-25 The world of medicine has become splintered into two factions that of orthodoxy and its counterpart alternative or complementary medicine A problem with alternative medicine is of course that of anecdote and hearsay The solution the disclosure in an unassailable fashion of the underlying biochemical principles for alternative cancer therap

*Nursing Theorists and Their Work - E-Book* Martha Raile Alligood,Ann Marriner Tomey,2013-09-30 The most comprehensive of its kind this classic resource in the field of nursing theory provides an in depth look at 49 theorists of historical international and significant importance Each chapter features a clear consistent presentation of a key nursing philosophy or theory Case studies and critical thinking activities help bridge the gap between theory and application A case study at the end of each theorist chapter puts the theory into a larger perspective helping you understand how the information can be applied to practice A Major Concepts Definitions box in each theorist chapter outlines and summarizes the theory s most significant ideas and clarifies content specific vocabulary Each theorist chapter concludes with an extensive bibliography outlining numerous primary and secondary sources of information ideal for research projects Critical Thinking Activities at the end of each theorist chapter challenge you to process the theory presented and apply it to personal and hypothetical practice situations Introductory chapters provide you with a strong foundation in the history and philosophy of science logical reasoning and the theory development process Diagrams for theories help you visualize and better understand inherently abstract concepts Each theorist chapter is written by a scholar specializing in that particular theorist s work often an individual who has worked closely with the theorist Most chapters have been reviewed and edited by the theorist for currency and accuracy further validating the accounts set forth in the text Theorist birth and if applicable death dates help



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