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Cell Robin Cook 2014-02-04 A doctor's life gets turned upside by a dangerous new technology in this thought-provoking medical thriller from #1 New York Times bestselling author Robin Cook. George Wilson, M.D., a radiology resident in Los Angeles, is about to enter a profession on the brink of an enormous paradigm shift, foreshadowing a vastly different role for doctors everywhere. The smartphone is poised to take on a new role in medicine, no longer as a mere medical app but rather as a fully customizable personal physician capable of diagnosing and treating even better than the real thing. It is called iDoc. George's initial collision with this incredible innovation is devastating. He awakens one morning to find his fiancée dead in bed alongside him, not long after she participated in an iDoc beta test. Then several of his patients die after undergoing imaging procedures. All of them had been part of the same beta test. Is it possible that iDoc is being subverted by hackers—and that the U.S. government is involved in a cover-up? Despite threats to both his career and his freedom, George relentlessly seeks the truth, knowing that if he's right, the consequences could be lethal.

Handbook of Local Anesthesia Stanley F. Malamed 2004 The fifth edition of Handbook of Local Anesthesia is a practical "how-to" guide, updated with the latest advances in science, technology, and pain control techniques. From basic concepts to specific injection techniques, from dosage charts to the proper care and handling of equipment, key information is brought to life with an all-new, full-color design. Written by Dr. Stanley F. Malamed, dentistry's leading expert on this topic, it's a valuable reference that will enhance your practice of local anesthesia. Book jacket.

The Art and Science of Contemporary Surgical Endodontics Mahmoud Torabinejad 2019

Drug Interactions in Anesthesia Norman Ty Smith 1986

Pandemic Robin Cook 2018-12-11 New York Times-bestselling author Robin Cook takes on the cutting-edge world of gene-modification in this pulse-pounding new medical thriller. When an unidentified, seemingly healthy young woman collapses suddenly on the New York City subway and dies upon reaching the hospital, her case is an eerie reminder for veteran medical examiner Jack Stapleton of the 1918 flu pandemic. Fearful of a repeat on the one hundredth anniversary of the nightmarish contagion, Jack autopsies the woman within hours of her demise and discovers some striking anomalies: first, that she has had a heart transplant, and second, that, against all odds, her DNA matches that of the

transplanted heart. Although the facts don't add up to influenza, Jack must race against the clock to identify the woman and determine what kind of virus could wreak such havoc--a task made more urgent when two other victims succumb to a similar rapid death. But nothing makes sense until his investigation leads him into the fascinating realm of CRISPR/CAS9, a gene-editing biotechnology that's captured the imagination of the medical community. . . and the attention of its most unethical members. Drawn into the dark underbelly of the organ transplant market, Jack will come face-to-face with a megalomaniacal businessman willing to risk human lives in order to conquer a lucrative new frontier in medicine--and if Jack's not careful, the next life lost might be his own.

Invasion Robin Cook 2014-09-11 Invasion is a fast-paced thriller from New York Times bestselling author and master of the medical thriller Robin Cook. To anyone glancing upwards at the night sky, it would have seemed like a brilliant shooting star . . . but moments later electronic equipment of every kind began to spark and explode throughout the city. The following morning, college student Beau Stark is the first to pick up one of the countless strange black discs scattered far and wide. After an initial sharp pain like a bee-sting, he becomes gradually 'infested'. His flu-like symptoms signify the revival of an alien virus implanted millions of years in mankind's genetic code - and since then lying dormant until the unwitting hosts are sufficiently developed to aid its relentless progress. Meanwhile, all over the nation, other human beings and animals succumb to the same virus and start to behave bizarrely and symbiotically - as if controlled by some outside influence. As Beau assumes leadership of this growing band of the 'infested', his college friends quickly realize that something truly horrifying is happening around them. Desperately struggling to piece together the puzzle, they soon become hunted refugees in a desperate quest to save humanity - before the Gateway opens. 'Leave it to doctor-turned-novelist Robin Cook to scare us all to death' Los Angeles Times

Caretas 2008-10

Devalued and Distrusted John L. LaMattina 2012-12-10 An expert's view on solving the challenges confronting today's pharmaceutical industry Author John LaMattina, a thirty-year veteran of the pharmaceutical industry and former president of Pfizer's Global R&D Division, is internationally recognized as an expert on the pharmaceutical industry. His first book, Drug Truths: Dispelling the Myths About Pharma R&D, was critically acclaimed for clearing up misconceptions about the pharmaceutical industry and providing an honest account of the contributions of pharmaceutical research and development to human health and well-being. As he toured the country discussing Drug Truths, Dr. LaMattina regularly came across people who were filled with anger, accusing the pharmaceutical industry of making up diseases, hiding dangerous side effects, and more. This book was written in response to that experience, critically examining public perceptions and industry realities. Starting with "4 Secrets that Drug Companies Don't Want You to Know," Devalued and Distrusted provides a fact-based account of how the pharmaceutical industry works and the challenges it faces. It addresses such critical issues as: Why pharmaceutical R&D productivity has declined Where pharmaceutical companies need to invest their resources What can be done to solve core health challenges, including cancer, diabetes, and neurodegenerative diseases How the pharmaceutical industry can regain public trust and resurrect its image Our understanding of human health and disease grows daily; however, converting science into medicine is increasingly challenging. Reading Devalued and Distrusted, you'll not only gain a greater appreciation of those challenges, but also the role that the pharmaceutical industry currently plays and can play in solving those challenges. Get to know the author: Read an interview with John LaMattina or watch a video on ChemistryViews! http://www.chemistryviews.org/details/ezone/4286441/John_LaMattina_30_Years_in_Pharma.html Interview: John LaMattina: 30 Years in Pharma/a

ahref="http://www.chemistryviews.org/details/video/4498851/Can_the_Pharmaceutical_Industry_Restore_its_Broken_Image.html"Video: Canthe Pharmaceutical Industry Restory its Broken Image?/a

Clinical Anesthesia Procedures of the Massachusetts General Hospital Wilton C. Levine 2012-03-28 Relied on for over 30 years by resident and practicing anesthesiologists and nurse anesthetists, this best-selling pocket reference is now in its Eighth Edition. In an easy-to-scan outline format, it provides current, comprehensive, concise, consistent, and clinically relevant guidelines for anesthesia, perioperative care, critical care, and pain management. The book has been written, reviewed, updated, and field-tested by the internationally recognized Department of Anesthesia, Critical Care and Pain Medicine at the Massachusetts General Hospital.

Nano Robin Cook 2012-12-04 A lavishly funded, security-conscious nanotechnology institute in the foothills of the Rockies, Nano is ahead of the curve in the competitive world of molecular manufacturing, including the construction of microbivores, tiny nanorobots with the ability to gobble up viruses and bacteria. But when Pia Grazdani takes a job there, she's shocked by the secretive corporate culture. She's warned by her boss not to investigate the other work being done at the gigantic facility, nor to ask questions about the source of the seemingly endless capital that funds the institute's research. And when Pia encounters a fellow employee on a corporate jogging path suffering the effects of a seizure, she soon realizes she may have literally stumbled upon Nano's human guinea pigs. Is the tech giant on the cusp of one of the biggest medical discoveries of the twenty-first century—a treatment option for millions—or have they already sold out to the highest bidder?

The Wondrous Story of Anesthesia Edmond I Eger II 2013-09-14 Edited and written by an international "who's who" of more than 100 authors, including anesthesiologists, nurse anesthetists, bench scientists, a surgeon, and representatives of industry, this text provides a comprehensive history of anesthesia, unique in its focus on the people and events that shaped the specialty around the world, particularly during the past 70 years when anesthesia emerged from empiricism and developed into a science-based practice.

Oral and Maxillofacial Surgery for the Clinician Krishnamurthy Bonanthaya 2021 This is an open access book with CC BY 4.0 license. This comprehensive open access textbook provides a comprehensive coverage of principles and practice of oral and maxillofacial surgery. With a range of topics starting from routine dentoalveolar surgery to advanced and complex surgical procedures, this volume is a meaningful combination of text and illustrations including clinical photos, radiographs, and videos. It provides guidance on evidence-based practices in context to existing protocols, guidelines and recommendations to help readers deal with most clinical scenarios in their daily surgical work. This multidisciplinary textbook is meant for postgraduate trainees, young practicing oral surgeons and experienced clinicians, as well as those preparing for university and board certification exams. It also aids in decision-making, the implementation of treatment plans and the management of complications that may arise. This book is an initiative of Association of Oral and Maxillofacial Surgeons of India (AOMSI) to its commitment to academic medicine. As part of this commitment, this textbook is in open access to help ensure widest possible dissemination to readers across the world. ; Open access Unique presentation with contents divided into color-coded core competency gradations Covers all aspects of oral and maxillofacial surgery Supplemented with videos of all commonly carried out procedures as operative video Every chapter or topic concludes with "future perspective" and addresses cutting edge advances in each area Every topic has a pull out box that provides the most relevant systematic reviews/ key articles to every topic.

Coma Robin Cook 2002-11-05 They called it “minor surgery,” but Nancy Greenly, Sean Berman, and a dozen others—all admitted to Boston Memorial Hospital for routine procedures were victims of the same inexplicable, hideous tragedy on the operating table. They never woke up. . . .

Charlatans Robin Cook 2017-08-22 The explosive new thriller from New York Times bestselling author and master of the medical thriller Robin Cook. Newly minted chief resident at Boston Memorial Hospital Noah Rothausser is swamped in his new position, from managing the surgical schedules to dealing with the fallouts from patient deaths. Known for its medical advances, the famed teaching hospital has fitted several ORs as “hybrid operating rooms of the future”—an improvement that seems positive until an anesthesia error during a routine procedure results in the death of an otherwise healthy man. Noah suspects Dr. William Mason, an egotistical, world-class surgeon, of an error during the operation and of tampering with the patient’s record afterward. But Mason is quick to blame anesthesiologist, Dr. Ava London. When more anesthesia-related deaths start to occur, Noah is forced to question all of the residents on his staff, including Ava, and he quickly realizes there’s more to her than what he sees. A social-media junkie, Ava has created multiple alternate personas for herself on the Internet. With his own job and credibility now in jeopardy, Noah must decide which doctor is at fault and who he can believe—before any more lives are lost.

Handbook of Veterinary Anesthesia William Muir 1995

Congenital Cardiac Anesthesia Laura K. Berenstain 2021-09-16 An illustrated guide for anesthesia providers for congenital heart disease patients, with a focus on non-cardiac operating room settings.

Fractured Freedom Kobad Ghandy 2021-09-13 Born in the cradle of upper-middle-class privilege in a Mumbai Parsi household and educated at one of India's finest schools, Kobad Ghandy's life and career could have scaled heights in the bustling world of corporate finance. Only it did not. Instead, he chose to become an activist working for the oppressed of the country. Shocked by the racism he witnessed in the UK as a student and learning of the horrors of colonial rule in India, he determined to serve those struck the harshest by the cruel inequalities of his country. *Fractured Freedom* takes you through the journey of an honest man and his partner, Anuradha's, to a difficult destiny. Here is the story of two people who dedicated their lives in the service of the marginalized, and who believed that true revolution required direct action for a more human and just society. Part memoir, part prison diary, Ghandy bares it all looking back at their lives, love, loss and politics, so intrinsically tied together. Having languished in Indian prisons for over a decade, he tells of his long incarceration, of his fellow prisoners, and of the Kafkaesque experiences with the Indian legal system. This is the candid and unfiltered account of how an unjust system breaks the brave and bold-hearted. A story of life in extremes - the height of privilege and the depth of despair, a story of our times, of a path many would shy away from.

Viral Robin Cook 2021-08-17 In this electrifying medical thriller from New York Times bestselling author Robin Cook, a family’s exposure to a rare yet deadly virus ensnares them in a growing danger to mankind—and pulls back the curtain on a healthcare system powered by profit and greed. Trying to find some normalcy during the Covid-19 pandemic, Brian Murphy and his family are on a summer excursion in Cape Cod when his wife, Emma, comes down with concerning flu-like symptoms. But their leisurely return home to New York City quickly becomes a race to the local hospital as she suddenly begins seizing in the car. At the ICU, she is diagnosed with eastern equine encephalitis, a rare and highly lethal mosquito-borne viral disease seemingly caught during one of their evening cookouts. Complicating the situation further, Brian and Emma’s young daughter then begins to exhibit alarming physical and

behavioral symptoms, too. Emma's harrowing hospital stay becomes even more fraught when Brian receives a staggering hospital bill full of outrageous charges and murky language. To add insult to injury, his health insurance company refuses to cover any of the cost, citing dubious clauses in Brian's policy. Forced to choose between the ongoing care of family and bills he can never pay, and furious at a shockingly indifferent healthcare system, Brian vows to seek justice. But to get to the bottom of the predatory practices targeting his loved ones and countless others, he must uncover the dark side of an industry that has strayed drastically from its altruistic roots—and bring down the callous executives preying on the sick and defenseless before the virus can claim even more people . . .

Foreign Body Robin Cook 2008-08-05 In this chilling new novel from the one and only Robin Cook, New York City medical examiners Laurie Montgomery and Jack Stapleton rush to India to help a UCLA student investigating medical tourism—and a sinister global conspiracy.

Harmful Intent Robin Cook 1991-02-01 It should have been a routine childbirth. But somehow, the mother died in the delivery, the baby was born brain-damaged, and Jeffrey Rhodes, the anesthesiologist, is running for his life. Charged with malpractice, he is found guilty of harmful intent and reckless disregard for human life. To clear his name, Rhodes must follow a fugitive trail into the heart of medical nightmare. A trail that, for some, may end in suicide—and for others, in the most shocking conspiracy of our time...

Hospital Literature Index 1991

Host Bibliographic Record for Boundwith Item Barcode 30112044669122 and Others 2013

Bad Mother Ayelet Waldman 2009-05-05 In our mothers' day there were good mothers, indifferent mothers, and occasionally, great mothers. Today we have only Bad Mothers: If you work, you're neglectful; if you stay home, you're smothering. If you discipline, you're buying them a spot on the shrink's couch; if you let them run wild, they will be into drugs by seventh grade. Is it any wonder so many women refer to themselves at one time or another as a "bad mother"? Writing with remarkable candor, and dispensing much hilarious and helpful advice along the way—Is breast best? What should you do when your daughter dresses up as a "ho" for Halloween?—Ayelet Waldman says it's time for women to get over it and get on with it in this wry, unflinchingly honest, and always insightful memoir on modern motherhood.

The Doctor and Mr. Dylan Rick Novak 2017-10-06 This is the second edition of the 2014 bestselling medical-legal novel. Dr. Nico Antone, an anesthesiologist at Stanford University, is married to Alexandra, a high-powered real estate agent obsessed with money. Their son, Johnny, an 11th-grader with immense potential, struggles to get the grades he'll need to attend an Ivy League college. After a screaming match with Alexandra, Nico moves himself and Johnny from Palo Alto, California, to his frozen childhood home of Hibbing, Minnesota. The move helps Johnny improve his grades and thus seem more attractive to universities, but Nico loves the freedom from his wife. Hibbing also happens to be the hometown of music icon Bob Dylan. Joining the hospital staff, Nico runs afoul of a psychotic nurse anesthetist who calls himself Bobby Dylan, who plays Dylan songs twice a week in a bar called Heaven's Door, and who believes he is the real Bob Dylan. As Nico and Johnny settle in at Hibbing, their lives turn around, until the soulless Alexandra dies, which accelerates the downfall of Dr. Antone, who is accused of her murder. The medical realism and subsequent courtroom realism and big university atmosphere versus small Minnesota town make this novel ring true. The author's medical expertise is central to the plot, and the author's career as a medical expert witness brings sizzling energy to the

concluding courtroom scenes.

Nurse Anesthesia John J. Nagelhout 2014 Written specifically for nurse anesthetists, *Nurse Anesthesia*, 5th Edition provides comprehensive coverage of both scientific principles and evidence-based practice. It offers a complete overview of anatomy, physiology, pharmacology, and pathophysiology, and offers practical coverage of equipment and anesthesia management. This edition includes updated information on pharmacokinetics, clinical monitoring, drug delivery systems, and complications, and revises chapters on airway management and anesthesia for cardiac surgery. Written by leading nurse anesthesia experts John Nagelhout and Karen Plaus, this perennial bestseller prepares anesthesia students and CRNAs for today's clinical anesthesia practice. Over 650 figures of anatomy, nurse anesthesia procedures, and equipment depict complex concepts and information. An easy-to-use organization covers basic principles first, and builds on those with individual chapters for each surgical specialty. UPDATED references make it quick and simple to find the latest and most important research in the field. Over 700 tables and boxes highlight the most essential information in a quick, easy-to-reference format. Expert CRNA authors provide the current clinical information you'll use in daily practice. UPDATED pharmacology information includes pharmacokinetics, drug delivery systems, opiate antagonists, and key induction drugs. Over 100 NEW photos and illustrations enhance your understanding of difficult anesthesia concepts. UPDATED Airway Management and Anesthesia for Cardiac Surgery chapters are thoroughly revised. NEW coverage includes robotics, screening applications, and non-operating room best practices.

Istoé dinheiro 2000

BSAVA Manual of Canine and Feline Anaesthesia and Analgesia Tanya Duke-Novakovski 2016-07-05 Anaesthesia and analgesia is a constantly advancing field and this new edition has been extensively revised and updated to take account of the latest techniques and considerations. The structure, which has worked so well for the previous editions, has been retained and there are new chapters on pain assessment methods, anaesthesia for MRI and how to manage chronic pain. Full-colour illustrations, tables and charts allow readers to easily visualise techniques, ensuring that this manual will be a must-have for any practice.

Oxford Handbook of Anaesthesia Keith Allman 2011-07-28 The 'Oxford Handbook of Anaesthesia' continues to provide state of the art information on anaesthetic practice. The third edition has a new colour layout and includes new topics on risk, consent, organ donation, anaesthesia for the critically ill patient, and management of perioperative IV fluids.

Chromosome 6 Robin Cook 1998-04-01 Behind the headlines on cloning--Dr. Robin Cook blends fact with fiction in one of his most terrifying bestsellers... *Chromosome 6* is a prophetic thriller that challenges the medical ethics of genetic manipulation and cloning in the jungles of equatorial Africa, where one mistake could bridge the gap between man and ape--and forever change the genetic map of our existence...

Host Robin Cook 2016-07-05 *Coma*—reimagined for the twenty-first century from the undisputed king of medical thrillers. Lynn Peirce, a fourth-year medical student at South Carolina's Mason-Dixon University, thinks she has her life figured out. But when her otherwise healthy boyfriend, Carl, enters the hospital for routine surgery, her neatly ordered life is thrown into total chaos. Carl fails to return to consciousness after the procedure, and an MRI confirms brain death. Devastated by Carl's condition, Lynn searches for answers. Convinced there's more to the story than what the authorities are willing to

reveal, Lynn uses all her resources at Mason-Dixon—including her initially reluctant lab partner, Michael Pender—to hunt down evidence of medical error or malpractice. What she uncovers, however, is far more disturbing. Hospitals associated with Middleton Healthcare, including the Mason-Dixon Medical Center, have unnervingly high rates of unexplained anesthetic complications and patients contracting serious and terminal illness in the wake of routine hospital admissions. When Lynn and Michael begin to receive death threats, they know they're into something bigger than either of them anticipated. They soon enter a desperate race against time for answers before shadowy forces behind Middleton Healthcare and their partner, Sidereal Pharmaceuticals, can put a stop to their efforts once and for all.

Humboldt 1996

Mindbend Robin Cook 1986-01-02 Future doctor Adam Schonberg loved his wife. That was why he took a job with the giant drug firm Arolen, for the money he needed for their coming baby. His wife, Jennifer, felt she would get the best of care at the Julian Clinic as her pregnancy progressed. It seemed a happy coincidence that the Julian Clinic was owned by Arolen...until Adam Schonberg slowly began to suspect the terrifying truth about this connection...and about the hideous evil perpetrated on the wife he loved by the doctor she helplessly trusted...

Tina Fey Tina Fey 2013-12-16 A autogiografia da premiada comedianta. Antes de Liz Lemon, antes do "Weekend Update", antes de Sarah Palin, Tina Fey era só uma jovem com um sonho: um pesadelo recorrente em que ela era perseguida em um aeroporto por seu antigo professor de educação física. Ela também tinha o sonho de, um dia, ser comedianta na TV. Ela viu esses dois sonhos se tornarem realidade. Finalmente, a história de Tina Fey pode ser contada. De seus dias de adolescente nerd depravada até se tornar chefe do Saturday Night Live; de sua busca pouco entusiasmada pela beleza física até sua vida como mãe que come coisas do chão; de seu romance unilateral no colégio até sua lua de mel quase mortal - do início deste parágrafo até a última linha. Tina Fey revela tudo e prova algo que sempre suspeitamos; você não é ninguém na vida até alguém chamá-lo de "chefe".

Neural Interface for Cognitive Human-Robot Interaction and Collaboration Hong Cheng 2022-03-25

Handbook of Local Anesthesia, 6e Stanley F. Malamed 2012-11-16 A practical, "how-to" guide to safe anesthesia practices in dentistry, *Handbook of Local Anesthesia, 6th Edition* covers all the latest advances in science, instrumentation, and pain control techniques. From basic concepts to specific injection techniques, from dosage charts to the proper care and handling of equipment, this book provides in-depth, full-color coverage of key anesthesia topics, including specific hazards and errors in technique that may result in complications. Written by Dr. Stanley Malamed, dentistry's leading expert on this subject, *Handbook of Local Anesthesia* is a valuable reference that will help you prevent, recognize, and manage complications of local anesthesia administration. Videos on an available companion DVD (sold separately) are narrated by Dr. Stanley Malamed, covering topics such as local anesthetic agents, anesthetic injection techniques, potential complications, and risk management. Full-color photographs and line drawings are included throughout the book. In-depth discussions cover the anesthetic agents used in dentistry, along with their clinical actions. Routes of administration are described for all anesthetics. The proper care and handling of equipment is addressed, along with the problems that may be encountered. Requirements for pain control and local anesthesia within various dental specialties are included. Comprehensive information on Articaine is included, a local anesthetic that is gaining widespread use in the United States. Numerous boxes and tables provide a quick

reference and comparison of techniques, drugs, and dosages. Dosage charts, injection techniques, information on duration of action, and contraindications for local anesthetics are included at the end of the book for quick reference.

Contagion Jason Gehlert 2013-08-20 When world-renowned doctor Quentin Forsythe goes missing after traveling to a decimated colony in the heart of south Africa, a team of doctors must find a way to save one of their own when a sinister new virus is unleashed, transforming the colonists into something unspeakable. Doctors Judas Sturgis and Katy Madison embark into the colony to find their missing colleague, Dr. Quentin Forsythe, who supposedly has found a cure. They will witness the horrifying wake of this unstoppable virus. It's a race against the clock when the U.S. Military led by Capt. Nathaniel Logan arrives - on orders to quarantine the whole area. A fractured rebel army arrives with their own dark agenda, and Dr. Sturgis starts to unravel from the seams. Can Katy Madison and Capt. Logan hold everything together and find a way to save the colony, or risk becoming her next victims? Check out more great Horrified Press titles here: horrifiedpress.wordpress.com

Anesthesiology Fun-Sun F. Yao 1993 This revised, updated, and expanded text (2nd ed., 1988), which reflects the clinical experience of the department of anesthesiology at The New York Hospital-Cornell Medical Center, presents a group of important clinical entities covering the most critical anesthetic problems. It is intended to provide residents and practicing anesthesiologists with logical and scientific fundamentals for individualized patient management. The present edition adds 12 new chapters. Annotation copyright by Book News, Inc., Portland, OR

Genesis Robin Cook 2020-08-04 An ancestry database holds the key to catching a killer in this explosive medical thriller from New York Times-bestselling author Robin Cook. When the body of social worker Kera Jacobsen shows up on Chief New York City Medical Examiner Laurie Montgomery's autopsy table, it appears she was the victim of a drug overdose. But for Laurie and her new pathology resident, the brilliant Dr. Aria Nichols, little things aren't adding up. Kera's family and friends swear she never touched drugs. Administrators from the hospital where Kera worked insist the case be shrouded in silence. And although Kera was ten weeks pregnant, nobody knows who the father was--or what he might now about Kera's final moments alive. With Laurie temporarily sidelined by a medical emergency, impulsive Aria turns to a controversial new technique: collaborating with experts at a start-up ancestry website to trace the fetus's DNA in the hopes of identifying the mystery father. But when Kera's fellow social worker is murdered, it becomes clear that someone doesn't want Kera's secrets to come to light . . . and if Aria gets any nearer to the truth, she and Laurie might find themselves a killer's next targets.

ECMO-Extracorporeal Life Support in Adults Fabio Sangalli 2014-04-30 Extracorporeal membrane oxygenation (ECMO) has been in clinical use for some 40 years, but it is only in the past decade that its application in the treatment of life-threatening circulatory and respiratory failure has truly flourished. This book presents a comprehensive overview of both pathophysiological and practical aspects of circulatory and respiratory extracorporeal support. The basics of ECMO, including its history, the "ECMO team", cannulation, materials, and blood-surface interactions, are first discussed. The various indications for and particular characteristics of circulatory and respiratory extracorporeal life support are then described in detail in the main part of the book. Patient care during ECMO and monitoring of the ECMO patient are also carefully covered, with explanation of the management of technical and clinical complications and transport-related problems. Further topics include long-term therapy options beyond ECMO, such as ventricular assist devices and transplants, outcome, the new frontiers of ECMO for organ procurement and future challenges. The authors are well-known experts in the field whose

authoritative contributions and attention to practical aspects will be invaluable for novices and experienced practitioners alike.

Small Animal Imaging Fabian Kiessling 2017-05-22 This textbook is a practical guide to the use of small animal imaging in preclinical research that will assist in the choice of imaging modality and contrast agent and in study design, experimental setup, and data evaluation. All established imaging modalities are discussed in detail, with the assistance of numerous informative illustrations. While the focus of the new edition remains on practical basics, it has been updated to encompass a variety of emerging imaging modalities, methods, and applications. Additional useful hints are also supplied on the installation of a small animal unit, study planning, animal handling, and cost-effective performance of small animal imaging. Cross-calibration methods and data postprocessing are considered in depth. This new edition of Small Animal Imaging will be an invaluable aid for researchers, students, and technicians involved in research into and applications of small animal imaging.