

# Blood And Guts A History Of Surgery

AS RECOGNIZED, ADVENTURE AS WELL AS EXPERIENCE PRACTICALLY LESSON, AMUSEMENT, AS WITH EASE AS HARMONY CAN BE GOTTEN BY JUST CHECKING OUT A BOOK **BLOOD AND GUTS A HISTORY OF SURGERY** FURTHERMORE IT IS NOT DIRECTLY DONE, YOU COULD RESIGN YOURSELF TO EVEN MORE GOING ON FOR THIS LIFE, ALL BUT THE WORLD.

WE MANAGE TO PAY FOR YOU THIS PROPER AS WITH EASE AS SIMPLE ARTIFICE TO ACQUIRE THOSE ALL. WE FIND THE MONEY FOR BLOOD AND GUTS A HISTORY OF SURGERY AND NUMEROUS EBOOK COLLECTIONS FROM FICTIONS TO SCIENTIFIC RESEARCH IN ANY WAY. IN THE MIDDLE OF THEM IS THIS BLOOD AND GUTS A HISTORY OF SURGERY THAT CAN BE YOUR PARTNER.

**EMOTIONS AND SURGERY IN BRITAIN, 1793-1912** - MICHAEL BROWN 2022-10-20  
AN INNOVATIVE ANALYTICAL ACCOUNT OF THE CHANGING PLACE OF EMOTIONS IN BRITISH SURGERY IN THE LONG NINETEENTH CENTURY.

**SPARE PARTS** - PAUL CRADDOCK 2022-05-10  
ORIGINALLY PUBLISHED: GREAT BRITAIN: FIG TREE, 2021.

**BLOOD AND GERMS** - GAIL JARROW 2020-10-13  
ACCLAIMED AUTHOR GAIL JARROW, RECIPIENT OF A 2019 ROBERT F. SIBERT HONOR AWARD, EXPLORES THE SCIENCE AND GRISLY HISTORY OF U.S. CIVIL WAR MEDICINE, USING ACTUAL MEDICAL CASES AND FIRST-PERSON ACCOUNTS BY SOLDIERS, DOCTORS, AND NURSES. THE CIVIL WAR TOOK THE LIVES OF HUNDREDS OF THOUSANDS OF AMERICANS AND LEFT COUNTLESS OTHERS WITH DISABLING WOUNDS AND CHRONIC ILLNESSES. BULLETS AND ARTILLERY SHELLS SHATTERED SOLDIERS' BODIES, WHILE MICROBES AND PARASITES KILLED TWICE AS MANY MEN AS DID THE BATTLES. YET FROM THIS TRAGIC FOUR-YEAR CONFLICT CAME INNOVATIONS THAT ENHANCED MEDICAL CARE IN THE UNITED STATES. WITH STRIKING DETAIL, THIS NONFICTION BOOK REVEALS BATTLEFIELD RESCUES, SURGICAL TECHNIQUES, MEDICINES, AND PATIENT CARE, CELEBRATING THE MEN AND WOMEN OF BOTH THE NORTH AND SOUTH WHO VOLUNTEERED TO SAVE LIVES.

**THE MAN WHO TOUCHED HIS OWN HEART** - ROB DUNN 2015-02-03  
THE SECRET HISTORY OF OUR MOST VITAL ORGAN--THE HUMAN HEART THE MAN WHO TOUCHED HIS OWN HEART TELLS THE RAUCOUS, GORY, MESMERIZING STORY OF THE HEART, FROM THE FIRST "EXPLORERS" WHO DUG UP CADAVERS AND PLUMBED THEIR HEARTS' CHAMBERS, THROUGH THE FIRST HEART SURGERIES--WHICH HAD TO BE COMPLETED IN THREE MINUTES BEFORE DEATH ARRIVED--TO HEART TRANSPLANTS AND THE LATEST MEDICAL EFFORTS TO PROLONG OUR HEARTS' LIVES, ALMOST DEFYING NATURE IN THE PROCESS. THOUGHT OF AS THE SEAT OF OUR SOUL, THEN AS A MYSTERIOUSLY ANIMATED OBJECT, THE HEART IS STILL MORE A MYSTERY THAN IT IS UNDERSTOOD. WHY DO MOST ANIMALS ONLY GET ONE BILLION BEATS? (AND HOW DID MODERN HUMANS GET TO OVER TWO BILLION--EFFECTIVELY LETTING US LIVE OUT TWO LIVES?) WHY ARE SUFFERERS OF GINGIVITIS MORE LIKELY TO HAVE HEART ATTACKS? WHY DO WE OFTEN UNDERGO EXPENSIVE PROCEDURES WHEN CHEAPER ONES ARE JUST AS EFFECTIVE? WHAT DO DA VINCI, MARY Shelley, AND CONTEMPORARY EGYPTIAN ARCHAEOLOGISTS HAVE IN COMMON? AND WHAT DOES IT REALLY FEEL LIKE TO TOUCH YOUR OWN HEART, OR TO HAVE SOMEONE ELSE'S BEATING INSIDE YOUR CHEST? ROB DUNN'S FASCINATING HISTORY OF OUR HEARTS BRINGS US DEEP INSIDE THE SCIENCE, HISTORY, AND STORIES OF THE FOUR CHAMBERS WE DEPEND ON MOST.

**THE CAMBRIDGE ILLUSTRATED HISTORY OF MEDICINE** - ROY PORTER 2001-07-30  
AN AUTHORITATIVE AND ACCESSIBLE ILLUSTRATED INTRODUCTION TO MEDICAL HISTORY.

**STRANGE MEDICINE** - NATHAN BELOFSKY 2013-07-02  
STRANGE MEDICINE CASTS A GIMLET EYE ON THE PRACTICE OF MEDICINE THROUGH THE AGES THAT HIGHLIGHTS THE MOST DUBIOUS IDEAS, BIZARRE TREATMENTS, AND BIGGEST BLUNDERS. FROM BAD SCIENCE AND OAFISH BEHAVIOR TO STOMACH-TURNING PROCEDURES THAT HURT MORE THAN HELPED, STRANGE MEDICINE PRESENTS STRANGE BUT TRUE FACTS AND AN HONOR ROLL OF DOCTORS, SCIENTISTS, AND DREAMERS WHO INADVERTENTLY TURNED THE CLOCK OF MEDICINE BACKWARD: • THE ANCIENT EGYPTIANS APPLIED ELECTRIC EELS TO CURE GOUT. • MEDIEVAL DENTISTS BURNED CANDLES IN PATIENTS' MOUTHS TO KILL INVISIBLE WORMS GNAWING AT THEIR TEETH. • RENAISSANCE PHYSICIANS TIMED SURGICAL PROCEDURES ACCORDING TO THE POSITION OF THE STARS, AND INSTRUCTED EPILEPTICS TO COLLECT FRESH BLOOD FROM THE NEWLY BEHEADED. • DR. WALTER FREEMAN, THE WORLD'S FOREMOST PRACTITIONER OF LOBOTOMIES, PRACTICED HIS CRAFT WHILE TRAVELING ON FAMILY CAMPING TRIPS, CRAMMING THE BACK OF THE STATION WAGON WITH KIDS—AND SURGICAL TOOLS—THEN HAMMERING ICE PICKS INTO THE EYE SOCKETS OF HIS PATIENTS IN BETWEEN HIKES IN THE WOODS. STRANGE MEDICINE IS AN ILLUMINATING PANORAMA OF MEDICAL HISTORY AS YOU'VE NEVER SEEN IT BEFORE.

**THE MYSTERY OF THE EXPLODING TEETH** - THOMAS MORRIS 2019-11-12  
"DELIGHTFULLY HORRIFYING."--POPULAR SCIENCE THIS WRYLY HUMOROUS COLLECTION OF STORIES ABOUT BIZARRE MEDICAL TREATMENTS AND CASES OFFERS A UNIQUE PORTRAIT OF A BYGONE ERA IN ALL ITS JAW-DROPPING WEIRDNESS. A PUZZLING SERIES OF DENTAL EXPLOSIONS BEGINNING IN THE NINETEENTH CENTURY IS JUST ONE OF MANY STRANGE TALES THAT HAVE LONG LAIN UNDISCOVERED IN THE PAGES OF OLD MEDICAL JOURNALS. AWARD-WINNING MEDICAL HISTORIAN THOMAS MORRIS DELIVERS ONE OF THE MOST REMARKABLE, CRINGE-INDUCING COLLECTIONS OF STORIES EVER ASSEMBLED. WITNESS MYSTERIOUS ILLNESSES (SUCH AS THE RHODE ISLAND WOMAN WHO PEED THROUGH HER NOSE), HORRIFYING OPERATIONS (1781: A FRENCH SOLDIER IN INDIA OPERATES ON HIS OWN BLADDER STONE), TALL TALES (LIKE THE "AMPHIBIOUS INFANT" OF CHICAGO, A BABY THAT COULD APPARENTLY SWIM UNDERWATER FOR HALF AN HOUR), UNFORTUNATE PREDICAMENTS (SUCH AS THAT OF THE BOY WHO HONKED LIKE A GOOSE AFTER INHALING A BIRD'S LARYNX), AND A PLETHORA OF OTHER MARVELS. BEYOND A SERIES OF ANECDOTES, THESE PAINFULLY AMUSING STORIES REVEAL A GREAT DEAL ABOUT THE EVOLUTION OF MODERN MEDICINE. SOME SHOW THE MEDICAL PROFESSION HOPELESS IN THE FACE OF AILMENTS THAT TODAY WOULD BE QUICKLY BANISHED BY MODERN DRUGS; BUT OTHERS ARE HEARTENING TALES OF RECOVERY AGAINST THE ODDS, PATIENTS SAVED FROM DEATH BY THE DEVOTION OR INGENUITY OF A CONSCIENTIOUS DOCTOR. HOWEVER EMBARRASSING THE AILMENT OR LUDICROUS THE TREATMENT, EVERY CASE IN THE MYSTERY OF THE EXPLODING TEETH TELLS US SOMETHING ABOUT THE KNOWLEDGE (AND IGNORANCE) OF AN EARLIER AGE, ALONG WITH THE SHEER RESILIENCE OF HUMAN LIFE.

**COMPLICATIONS** - ATUL GAWANDE 2003-04-01

A BRILLIANT AND COURAGEOUS DOCTOR REVEALS, IN GRIPPING ACCOUNTS OF TRUE CASES, THE POWER AND LIMITS OF MODERN MEDICINE. SOMETIMES IN MEDICINE THE ONLY WAY TO KNOW WHAT IS TRULY GOING ON IN A PATIENT IS TO OPERATE, TO LOOK INSIDE WITH ONE'S OWN EYES. THIS BOOK IS EXPLORATORY SURGERY ON MEDICINE ITSELF, LAYING BARE A SCIENCE NOT IN ITS IDEALIZED FORM BUT AS IT ACTUALLY IS -- COMPLICATED, PERPLEXING, AND PROFOUNDLY HUMAN. ATUL GAWANDE OFFERS AN UNFLINCHING VIEW FROM THE SCALPEL'S EDGE, WHERE SCIENCE IS AMBIGUOUS, INFORMATION IS LIMITED, THE STAKES ARE HIGH, YET DECISIONS MUST BE MADE. IN DRAMATIC AND REVEALING STORIES OF PATIENTS AND DOCTORS, HE EXPLORES HOW DEADLY MISTAKES OCCUR AND WHY GOOD SURGEONS GO BAD. HE ALSO SHOWS US WHAT HAPPENS WHEN MEDICINE COMES UP AGAINST THE INEXPLICABLE: AN ARCHITECT WITH INCAPACITATING BACK PAIN FOR WHICH THERE IS NO PHYSICAL CAUSE; A YOUNG WOMAN WITH NAUSEA THAT WON'T GO AWAY; A TELEVISION NEWSCASTER WHOSE BLUSHING IS SO SEVERE THAT SHE CANNOT DO HER JOB. GAWANDE OFFERS A RICHLY DETAILED PORTRAIT OF THE PEOPLE AND THE SCIENCE, EVEN AS HE TACKLES THE PARADOXES AND IMPERFECTIONS INHERENT IN CARING FOR HUMAN LIVES. AT ONCE TOUGH-MINDED AND HUMANE, COMPLICATIONS IS A NEW KIND OF MEDICAL WRITING, NUANCED AND LUCID, UNAFRAID TO CONFRONT THE CONFLICTS AND UNCERTAINTIES THAT LIE AT THE HEART OF MODERN MEDICINE, YET ALWAYS ALIVE TO THE POSSIBILITIES OF WISDOM IN THIS EXTRAORDINARY ENDEAVOR. COMPLICATIONS IS A 2002 NATIONAL BOOK AWARD FINALIST FOR NONFICTION.

**BLOOD AND GUTS: A SHORT HISTORY OF MEDICINE** - ROY PORTER 2004-06-17  
"IDEAS TUMBLE OUT OF PORTER LIKE WONDERS FROM SOME SCHOLARLY HORN OF PLENTY."  
—SHERWIN B. NULAND, THE NEW REPUBLIC AN EMINENTLY READABLE, ENTERTAINING ROMP THROUGH THE HISTORY OF OUR VAIN AND VALIANT EFFORTS TO HEAL OURSELVES. MANKIND'S BATTLE TO STAY ALIVE AND HEALTHY FOR AS LONG AS POSSIBLE IS OUR OLDEST, MOST UNIVERSAL STRUGGLE. WITH HIS CHARACTERISTIC WIT AND VASTLY INFORMED HISTORICAL SCOPE, ROY PORTER EXAMINES THE WAR FOUGHT BETWEEN DISEASE AND DOCTORS ON THE BATTLEGROUND OF THE FLESH FROM ANCIENT TIMES TO THE PRESENT. HE EXPLORES THE MANY INGENIOUS WAYS IN WHICH WE HAVE ATTEMPTED TO OVERCOME DISEASE THROUGH THE AGES: THE CHANGING ROLE OF DOCTORS, FROM ANCIENT HEALERS, APOTHECARIES, AND BLOOD-LETTERS TO TODAY'S PROFESSIONALS; THE ARRAY OF DRUGS, FROM AYURVEDIC REMEDIES TO THE LAUNCH OF VIAGRA; THE ADVANCES IN SURGERY, FROM AMPUTATIONS PERFORMED BY BARBERS WITHOUT ANESTHETIC TO TODAY'S SOPHISTICATED TRANSPLANTS; AND THE TRANSFORMATION OF HOSPITALS FROM CHRISTIAN PLACES OF CONVALESCENCE TO MODERN MEDICAL POWERHOUSES. CLEVERLY ILLUSTRATED WITH HISTORIC LINE DRAWINGS, THE CHRONIC AILMENTS OF HUMANITY PROVIDE VIVID ANECDOTES FOR PORTER'S ENLIGHTENING STORY OF MEDICINE'S EFFORTS TO PREVAIL OVER A FORMIDABLE AND EVER-CHANGING ADVERSARY.

**DOCTORS** - SHERWIN B. NULAND 2011-10-19  
FROM THE AUTHOR OF HOW WE DIE, THE EXTRAORDINARY STORY OF THE DEVELOPMENT OF MODERN MEDICINE, TOLD THROUGH THE LIVES OF THE PHYSICIAN-SCIENTISTS WHO PAVED THE WAY. HOW DOES MEDICAL SCIENCE ADVANCE? POPULAR HISTORIANS WOULD HAVE US BELIEVE THAT A FEW HEROIC INDIVIDUALS, POSSESSING SUPERHUMAN TALENTS, LEAD AN UNSELFISH QUEST TO BETTER THE HUMAN CONDITION. BUT AS RENOWNED YALE SURGEON AND MEDICAL HISTORIAN SHERWIN B. NULAND SHOWS IN THIS BRILLIANT COLLECTION OF LINKED LIFE PORTRAITS, THE THEORY BEARS LITTLE RESEMBLANCE TO THE TRUTH. THROUGH THE CENTURIES, THE MEN AND WOMEN WHO HAVE SHAPED THE WORLD OF MEDICINE HAVE BEEN NOT ONLY VERY HUMAN, BUT ALSO VERY MUCH THE PRODUCTS OF THEIR OWN TIMES AND PLACES. PRESENTING COMPELLING STUDIES OF GREAT MEDICAL INNOVATORS AND PIONEERS, DOCTORS GIVES US A FASCINATING HISTORY OF MODERN MEDICINE. RANGING FROM THE LEGENDARY FATHER OF MEDICINE, HIPPOCRATES, TO ANDREAS VESALIUS, WHOSE RENAISSANCE MASTERWORK ON ANATOMY OFFERED INVALUABLE NEW INSIGHT INTO THE HUMAN BODY, TO HELEN TAUSSIG, FOUNDER OF PEDIATRIC CARDIOLOGY AND CO-INVENTOR OF THE ORIGINAL "BLUE BABY" OPERATION, HERE IS A VOLUME FILLED WITH THE SPIRIT OF IDEAS AND THE THRILL OF DISCOVERY.

**OPEN HEART** - STEPHEN WESTABY 2017-06-20  
IN GRIPPING PROSE, ONE OF THE WORLD'S LEADING CARDIAC SURGEONS LAYS BARE BOTH THE WONDER AND THE HORROR OF A LIFE SPENT A HEARTBEAT AWAY FROM DEATH WHEN STEPHEN WESTABY WITNESSED A PATIENT DIE ON THE TABLE DURING OPEN-HEART SURGERY FOR THE FIRST TIME, HE WAS STRUCK BY THE QUIET, DETERMINED WAY THE SURGEONS WALKED AWAY. AS HE SOON UNDERSTOOD, THIS DETACHMENT IS A CRUCIAL SURVIVAL STRATEGY IN A PROFESSION WHERE DEATH IS ONLY A HEARTBEAT AWAY. IN OPEN HEART, WESTABY REFLECTS ON OVER 11,000 SURGERIES, SHOWING US WHY THE PROCEDURES HAVE NEVER BECOME ROUTINE AND WILL NEVER BE. WITH ASTONISHING COMPASSION, HE RECOUNTS HARROWING AND SOMETIMES HOPEFUL STORIES FROM HIS OPERATING ROOM: WE MEET A PULSELESS MAN WHO LIVES WITH AN ELECTRIC HEART PUMP, AN EXPECTING MOTHER WHO REFUSES SURGERY UNLESS THE DOCTORS LET HER PREGNANCY REACH FULL TERM, AND A BABY WHO GETS A HEART TRANSPLANT--ONLY TO DIE ONCE IT'S IN PLACE. FOR READERS OF ATUL GAWANDE'S BEING MORTAL AND OF HENRY MARSH'S DO NO HARM, OPEN HEART OFFERS A SOUL-BARING ACCOUNT OF A LIFE SPENT IN CONSTANT CONFRONTATION WITH DEATH.

**UNDER THE KNIFE** - ARNOLD VAN DE LAAR 2018-10-02  
SURGEON ARNOLD VAN DE LAAR USES HIS OWN EXPERIENCE AND EXPERTISE TO TELL THIS GROSSING HISTORY OF SURGERY THROUGH 28 FAMOUS OPERATIONS—FROM LOUIS XIV AND EINSTEIN TO JFK AND HOUDINI. FROM THE STORY OF THE DESPERATE MAN FROM SEVENTEENTH-CENTURY AMSTERDAM WHO GRIMLY CUT A STONE OUT OF HIS OWN BLADDER TO BOB MARLEY'S DEADLY TOE, UNDER THE KNIFE OFFERS A WEALTH OF FASCINATING AND

UNFORGETTABLE INSIGHTS INTO MEDICINE AND HISTORY VIA THE OPERATING ROOM. WHAT HAPPENS DURING AN OPERATION? HOW DOES THE HUMAN BODY RESPOND TO BEING ATTACKED BY A KNIFE, A BACTERIUM, A CANCER CELL OR A BULLET? AND, AS MEDICAL ADVANCES CONTINUOUSLY PUSH THE BOUNDARIES OF WHAT MEDICINE CAN CURE, WHAT ARE THE LIMITS OF SURGERY? WITH STORIES SPANNING THE DARK CENTURIES OF BLOODLETTING AND AMPUTATIONS WITHOUT ANAESTHETIC THROUGH TODAY'S STERILE, HIGH-TECH OPERATING ROOMS, UNDER THE KNIFE IS BOTH A RICH CULTURAL HISTORY, AND A MODERN ANATOMY CLASS FOR US ALL.

**THE TENTH NERVE** - Dr. Chris Honey 2022-02-08

RIVETING AND DRAMATIC, THE TENTH NERVE OFFERS A RARE WINDOW INTO THE WORLD OF A PRE-EMINENT NEUROSURGEON AND THE SEVEN EXCEPTIONAL PATIENTS THAT MADE HIM A BETTER PERSON. "THE SCALPEL CAN ONLY GO SO DEEP, AND TECHNICAL SKILL CAN ONLY TAKE ONE SO FAR." IN THIS ABSORBING NARRATIVE, DR. CHRIS HONEY, AN ACCOMPLISHED NEUROSURGEON AT VANCOUVER GENERAL HOSPITAL, WEAVES HIS PERSONAL JOURNEY TOGETHER WITH CASE STUDIES THAT REFLECT THE THRILL OF SCIENTIFIC DISCOVERY AND THE LIMITATIONS OF MEDICINE. OPERATING ON A TERMINALLY ILL CHILD AMID AN EBOLA OUTBREAK IN LIBERIA, HE QUESTIONS HIS PRECONCEPTIONS ABOUT WHAT IT MEANS TO "WIN" AGAINST A DISEASE. REFLECTING ON HIS OWN PATH INTO NEUROSURGERY, HE BRINGS TO LIFE A RELATIVELY NEW, HIGH STAKES FIELD OF MEDICINE—ONE THAT HISTORICALLY DEMANDED EMOTIONAL DETACHMENT AND OFTEN ATTRACTS EXTREME PERSONALITIES. WITH A COMPASSIONATE EYE, HE TRACES THE COURAGE AND DETERMINATION OF SEVERAL PATIENTS SUFFERING FROM MYSTERIOUS, UNRECOGNIZED ILLNESSES, TWO OF WHOM LED DR. HONEY AND HIS TEAM TO DISCOVER AN ENTIRELY NEW DISEASE AND ITS CURE. IN CLEAR, ENGAGING PROSE, HE INVITES US INTO THE OPERATING ROOM TO WITNESS THIS EXTRAORDINARY DISCOVERY—INVOLVING THE TENTH CRANIAL NERVE—ALONGSIDE HIM. AND, OUTSIDE THE OR, AN UNUSUAL FRIENDSHIP WITH A FORMER PATIENT ALTERS HIS PERSPECTIVE ON CLINICAL DETACHMENT, AND WHAT "QUALITY OF LIFE" REALLY MEANS. COMBINING A HUMANE PERSPECTIVE, LIVELY ANECDOTES, AND A DEEP CURIOSITY ABOUT THE UNCHARTED TERRITORIES OF THE HUMAN BRAIN, THE TENTH NERVE IS A RICHLY FASCINATING MEMOIR THAT WILL FILL YOU WITH WONDER.

**DEMOCRACY IN DIALOGUE, DIALOGUE IN DEMOCRACY** - Dr Leszek Koczanowicz 2015-11-28

IT IS WIDELY ACCEPTED THAT THE MACHINERY OF MULTICULTURAL SOCIETIES AND LIBERAL DEMOCRATIC SYSTEMS IS DEPENDENT UPON VARIOUS FORMS OF DIALOGUE - DIALOGUE BETWEEN POLITICAL PARTIES, BETWEEN DIFFERENT SOCIAL GROUPS, BETWEEN THE RULING AND THE RULED. BUT WHAT ARE THE CONDITIONS OF A DEMOCRATIC DIALOGUE AND HOW DOES THE PHILOSOPHICAL DIALOGIC APPROACH APPLY TO PRACTICE? RECENTLY, FACING CHALLENGES FROM MASS PROTEST MOVEMENTS ACROSS THE GLOBE, LIBERAL DEMOCRACY HAS FOUND ITSELF IN URGENT NEED OF A SOLUTION TO THE PROBLEM OF TRANSLATING MASS ACTIVITY INTO DIALOGUE, AS WELL AS THAT OF DESIGNING BORDERS OF DIALOGUE. EXPLORING THE MULTIFACETED NATURE OF THE CONCEPTS OF DIALOGUE AND DEMOCRACY, AND CRITICALLY EXAMINING MATERIALIZATIONS OF DIALOGUE IN SOCIAL LIFE, THIS BOOK OFFERS A VARIETY OF PERSPECTIVES ON THE THEORETICAL AND EMPIRICAL INTERFACE BETWEEN DEMOCRACY AND DIALOGUE. BRINGING TOGETHER THE LATEST WORK FROM SCHOLARS ACROSS EUROPE, DEMOCRACY IN DIALOGUE, DIALOGUE IN DEMOCRACY OFFERS FRESH THEORIZATIONS OF THE ROLE OF DIALOGUE IN DEMOCRATIC THOUGHT AND PRACTICE AND WILL APPEAL TO SCHOLARS OF SOCIOLOGY, POLITICAL SCIENCE AND SOCIAL AND POLITICAL THEORY.

**QUACKERY** - Lydia Kang 2017-10-17

WHAT WON'T WE TRY IN OUR QUEST FOR PERFECT HEALTH, BEAUTY, AND THE FOUNTAIN OF YOUTH? WELL, JUST IMAGINE A TIME WHEN DOCTORS PRESCRIBED MORPHINE FOR CRYING INFANTS. WHEN LIQUEFIED GOLD WAS TOUTED AS IMMORTALITY IN A GLASS. AND WHEN STRYCHNINE—YES, THAT STRYCHNINE, THE ONE USED IN RAT POISON—WAS DOSED LIKE VIAGRA. LOOKING BACK WITH FASCINATION, HORROR, AND NOT A LITTLE DASH OF DARK, KNOWING HUMOR, QUACKERY RECOUNTS THE LIVELY, AT TIMES UNBELIEVABLE, HISTORY OF MEDICAL MISFIRES AND MALPRACTICES. RANGING FROM THE MERELY WEIRD TO THE OUTRIGHT DANGEROUS, HERE ARE DOZENS OF OUTLANDISH, MORBIDLY HILARIOUS "TREATMENTS"—CONCEIVED BY DOCTORS AND SCIENTISTS, BY SPIRITUALISTS AND SNAKE OIL SALESMEN (YES, THEY LITERALLY TRIED TO SELL SNAKE OIL)—THAT WERE PREDICATED ON A RANGE OF CLUELESSNESS, TRIAL AND ERROR, AND STRAIGHT-UP SCAMS. WITH VINTAGE ILLUSTRATIONS, PHOTOGRAPHS, AND ADVERTISEMENTS THROUGHOUT, QUACKERY SEAMLESSLY COMBINES MACABRE HUMOR WITH SCIENCE AND STORYTELLING TO REVEAL AN IMPORTANT AND DISTURBING SIDE OF THE EVER-EVOLVING FIELD OF MEDICINE.

**BRAIN SURGEON** - Keith Black 2009-03-25

WELCOME TO TIGER COUNTRY: THE TREACHEROUS TERRITORY WHERE A SINGLE WRONG MOVE BY A BRAIN SURGEON CAN DEVASTATE-OR END-A PATIENT'S LIFE. THIS IS THE TERRAIN WORLD-RENOWNED NEUROSURGEON KEITH BLACK, MD, ENTERS EVERY DAY TO PRODUCE VIRTUAL MEDICAL MIRACLES. NOW, IN BRAIN SURGEON, DR. BLACK INVITES READERS TO SHADOW HIS BREATHTAKING JOURNEYS INTO THE BRAIN AS HE BATTLES SOME OF THE DEADLIEST AND MOST FEARED TUMORS KNOWN TO MEDICAL SCIENCE. ALONG THE WAY, HE SHARES HIS UNIQUE INSIGHTS ABOUT THE INNER WORKINGS OF THE BRAIN, HIS UNWAVERING OPTIMISM FOR THE FUTURE OF MEDICINE, AND THE EXTRAORDINARY STORIES OF HIS PATIENTS—FROM MINISTERS AND ROCK STARS TO WEALTHY ENTREPRENEURS AND UNINSURED STUDENTS—WHOM HE CELEBRATES AS THE REAL HEROES. BRAIN SURGEON OFFERS A WINDOW INTO ONE MAN'S REMARKABLE MIND, REVEALING THE ANATOMY OF THE UNFLINCHING CONFIDENCE OF THIS MASTER SURGEON, WHOSE PERSONAL JOURNEY BROUGHT HIM FROM LIFE AS A YOUNG AFRICAN-AMERICAN BOY GROWING UP IN THE CIVIL RIGHTS ERA SOUTH TO THE ELITE WORLD OF NEUROSURGERY. THROUGH DR. BLACK'S WHITE-KNUCKLE DESCRIPTIONS OF SOME OF THE MOST ASTONISHING MEDICAL PROCEDURES PERFORMED TODAY, HE REVEALS THE BEAUTY AND MARVEL OF THE HUMAN BRAIN AND THE STRENGTH AND HEROISM OF HIS PATIENTS WHO REFUSE TO SEE THEMSELVES AS VICTIMS. ULTIMATELY, BRAIN SURGEON IS AN INSPIRING STORY OF THE STRUGGLE TO OVERCOME ODDS—WHETHER AS A MAN, A DOCTOR, OR A PATIENT. PRAISE FOR BRAIN SURGEON "AN INSPIRATIONAL BOOK ABOUT TRUE HEROES - READERS WILL MARVEL AT KEITH BLACK'S ACHIEVEMENTS BOTH AS A DOCTOR AND AS A MAN, AND WILL BE IN AWE OF HIS PATIENTS' COURAGE AND WILL TO SURVIVE." --DENZEL WASHINGTON "A RARE, BEHIND-THE-CURTAIN LOOK AT THE LIFE OF ONE OF THE MOST PRE-EMINENT NEUROSURGEONS IN THE WORLD." --SANJAY GUPTA, MD, CHIEF MEDICAL CORRESPONDENT,

CNN

**THE PALGRAVE HANDBOOK OF THE HISTORY OF SURGERY** - THOMAS SCHLICH 2017-12-12

THIS HANDBOOK COVERS THE TECHNICAL, SOCIAL AND CULTURAL HISTORY OF SURGERY. IT REFLECTS THE STATE OF THE ART AND SUGGESTS DIRECTIONS FOR FUTURE RESEARCH. IT DISCUSSES WHAT IS DIFFERENT AND SPECIFIC ABOUT THE HISTORY OF SURGERY - A MANUAL ACTIVITY WITH A DIRECT IMPACT ON THE PATIENT'S BODY. THE INDIVIDUAL ENTRIES IN THE HANDBOOK FUNCTION AS STARTING POINTS FOR ANYONE WHO WANTS TO OBTAIN UP-TO-DATE INFORMATION ABOUT AN AREA IN THE HISTORY OF SURGERY FOR PURPOSES OF RESEARCH OR FOR GENERAL ORIENTATION. WRITTEN BY 26 EXPERTS FROM 6 COUNTRIES, THE CHAPTERS DISCUSS THE ESSENTIAL TOPICS OF THE FIELD (SUCH AS ANAESTHESIA, WOUND INFECTION, INSTRUMENTS, SPECIALIZATION), SPECIFIC DOMAINS AREAS (FOR EXAMPLE, CANCER SURGERY, TRANSPLANTS, ANIMALS, WAR), BUT ALSO INNOVATIVE THEMES (WOMEN, POPULAR CULTURE, NURSING, CLINICAL TRIALS) AND MAKE CONNECTIONS TO OTHER AREAS OF HISTORICAL RESEARCH (SUCH AS THE HISTORY OF EMOTIONS, ART, ARCHITECTURE, COLONIAL HISTORY). CHAPTERS 16 AND 18 OF THIS BOOK ARE AVAILABLE OPEN ACCESS UNDER A CC BY 4.0 LICENSE AT LINK.SPRINGER.COM

**IDENTITY, CULTURE, AND THE SCIENCE PERFORMANCE, VOLUME 1** - Vivian Appler 2022-08-11

IDENTITY, CULTURE, AND THE SCIENCE PERFORMANCE, VOLUME 1: FROM THE LAB TO THE STREETS IS THE FIRST OF TWO VOLUMES DEDICATED TO THE DIVERSE SOCIOCULTURAL WORK OF SCIENCE-ORIENTED PERFORMANCE. A DYNAMIC VOLUME OF SCHOLARLY ESSAYS, INTERVIEWS WITH SCIENTISTS AND ARTISTS, AND CREATIVE ENTRIES, IT EXAMINES EXPLICITLY PUBLIC-FACING SCIENCE PERFORMANCES THAT OPERATE WITHIN AND FOR SPECIALIST AND NON-SPECIALIST POPULATIONS. THE BOOK'S CHAPTERS TRACE THE THEATRICAL AND ETHICAL CONTOURS OF LIVE SCIENCE EVENTS, RE-ENACT HISTORICAL STAGINGS OF SCIENTIFIC EXPERTISE, AND DEMONSTRATE THE PEDAGOGICAL AND ACTIVIST POTENTIALS IN PERFORMING SCIENCE IN COMMUNITY SETTINGS. ALONGSIDE THE SCHOLARLY CHAPTERS, FROM THE LAB TO THE STREETS FEATURES CREATIVE WORK BY CONTEMPORARY SCIENCE-INTEGRATIVE ARTISTS AND INTERVIEWS WITH POPULAR SCIENCE COMMUNICATORS SAHANA SRINIVASAN (HOST OF NETFLIX'S BRAINCHILD) AND RAVEN BAXTER ("RAVEN THE SCIENCE MAVEN") AND ARTISTS FROM PERFORMANCE ENSEMBLES THE OLIMPIAS AND SUPERHERO CLUBHOUSE. IN EXPLORING THE SCIENCE PERFORMANCE AS A VITAL BUT FLAWED METHOD OF PUBLIC ENGAGEMENT, IT OFFERS A CRITIQUE OF THE RACIST, ABLEIST, SEXIST, AND HETERONORMATIVE IDEOLOGIES PREVALENT ACROSS THE HISTORY OF SCIENCE, AS WELL AS HIGHLIGHTING SCIENCE PERFORMANCES THAT CHALLENGE AND REDRESS THESE IDEOLOGIES. ALONG WITH ITS COMPLEMENTARY VOLUME FROM THE CURIOUS TO THE QUANTUM, THIS BOOK DOCUMENTS THE VARIED WAYS IN WHICH IDENTITY CATEGORIES AND CULTURAL CONSTRUCTS ARE FORMED AND REFORMED THROUGH SCIENCE PERFORMANCES.

**THE BUTCHERING ART** - Lindsey Fitzharris 2017-10-17

THE GRIPPING STORY OF HOW JOSEPH LISTER'S ANTISEPTIC METHOD CHANGED MEDICINE FOREVER

**THE CAMBRIDGE HISTORY OF MEDICINE** - Roy Porter 2006-06-05

AGAINST THE BACKDROP OF UNPRECEDENTED CONCERN FOR THE FUTURE OF HEALTH CARE, 'THE CAMBRIDGE HISTORY OF MEDICINE' SURVEYS THE RISE OF MEDICINE IN THE WEST FROM CLASSICAL TIMES TO THE PRESENT. COVERING BOTH THE SOCIAL AND SCIENTIFIC HISTORY OF MEDICINE, THIS VOLUME TRACES THE CHRONOLOGY OF KEY DEVELOPMENTS AND EVENTS. **SABISTON TEXTBOOK OF SURGERY E-BOOK** - COURTNEY M. TOWNSEND 2021-01-08 FOR MORE THAN 80 YEARS, SABISTON TEXTBOOK OF SURGERY: THE BIOLOGICAL BASIS OF MODERN SURGICAL PRACTICE HAS BEEN THE GO-TO TEXT FOR TRAINEES AND SURGEONS AT ALL LEVELS OF EXPERIENCE FOR DEFINITIVE GUIDANCE ON EVERY ASPECT OF GENERAL SURGERY. AS THE OLDEST CONTINUOUSLY PUBLISHED TEXTBOOK OF SURGERY IN NORTH AMERICA, THIS FULLY REVISED 21ST EDITION CONTINUES TO PROVIDE THE KEY INFORMATION, ESSENTIAL TEACHING PEARLS, AND COMPLETELY UPDATED CONTENT NEEDED TO MAKE THE MOST INFORMED SURGICAL DECISIONS AND ACHIEVE OPTIMAL OUTCOMES FOR PATIENTS. CONCISELY WRITTEN AND EVIDENCE BASED THROUGHOUT, IT COVERS THE BREADTH OF MATERIAL REQUIRED FOR CERTIFICATION AND PRACTICE OF GENERAL SURGERY, HIGHLIGHTED BY DETAILED, FULL-COLOR INTRAOPERATIVE ILLUSTRATIONS AND HIGH-QUALITY VIDEO CLIPS. FOLLOWS A CLEAR, CONSISTENT PROGRESSION BEGINNING WITH PRINCIPLES COMMON TO SURGICAL SPECIALTIES INCLUDING FLUID AND ELECTROLYTE MANAGEMENT, METABOLIC SUPPORT, AND WOUND HEALING. SUBSEQUENT SECTIONS REVIEW THE MANAGEMENT OF INJURY, TRANSPLANTATION, ONCOLOGY, BREAST, ENDOCRINE, AND ABDOMINAL PROCEDURES. COVERS KEY TOPICS SUCH AS EMERGING SURGICAL TECHNOLOGIES AND DEVICES, REGENERATIVE MEDICINE, THE LATEST CONCEPTS IN CANCER BIOLOGY AND TREATMENTS, AND EVIDENCE-BASED MANAGEMENT AND TREATMENT. EMPHASIZES THE MOST UP-TO-DATE MINIMALLY INVASIVE TECHNIQUES AND THE USE OF ROBOTICS WHEN INDICATED. FEATURES MORE THAN 2,000 SUPERB ILLUSTRATIONS AND INTRAOPERATIVE PHOTOGRAPHS AND 25 PROCEDURAL VIDEOS THAT FACILITATE QUICK COMPREHENSION OF SURGICAL TECHNIQUES. INCLUDES MORE SCHEMATIC DIAGRAMS, SUMMARY TABLES, BOXES, AND ALGORITHMS THAT PROVIDE A RICH RESOURCE FOR REVIEWING SURGICAL TECHNIQUES AND PREPARING FOR IN-TRAINING AND BOARD EXAMS. SHARES THE EXPERTISE OF DOZENS OF NEW AUTHORS AND INCLUDES TWO NEW CHAPTERS ON ROBOTIC SURGERY AND FETAL SURGERY. CONTAINS FULLY UPDATED CONTENT ON TOPICS ENCOUNTERED BY GENERAL SURGERY RESIDENTS IN TRAINING AS WELL AS IN-DEPTH COVERAGE OF SUBSPECIALTY AREAS INCLUDING HEAD AND NECK, THORACIC, VASCULAR, UROLOGY, NEUROSURGERY, PEDIATRICS, AND GYNECOLOGY.

**IF ANGELS BURN** - Lynn Viehl 2005-04-05

ALEXANDRA KELLER IS CHICAGO'S MOST BRILLIANT RECONSTRUCTIVE SURGEON. MICHAEL CYPRIEN IS NEW ORLEANS' MOST RECLUSIVE MILLIONAIRE—AND IN DESPERATE NEED OF DR. KELLER'S SKILLS.

**A SHORT HISTORY OF MEDICINE** - Erwin H. Ackerknecht 2016-05-01

A BESTSELLING HISTORY OF MEDICINE, ENRICHED WITH A NEW FOREWORD, CONCLUDING ESSAY, AND BIBLIOGRAPHIC ESSAY. ERWIN H. ACKERKNECHT'S A SHORT HISTORY OF MEDICINE IS A CONCISE NARRATIVE, LONG APPRECIATED BY STUDENTS IN THE HISTORY OF MEDICINE, MEDICAL STUDENTS, HISTORIANS, AND MEDICAL PROFESSIONALS AS WELL AS ALL THOSE SEEKING TO UNDERSTAND THE HISTORY OF MEDICINE. COVERING THE BROAD SWEEP OF DISCOVERIES FROM PARASITIC WORMS TO BACILLI AND X-RAYS, AND HIGHLIGHTING PHYSICIANS AND SCIENTISTS FROM HIPPOCRATES AND GALEN TO PASTEUR, KOCH, AND

ROENTGEN, ACKERKNECHT NARRATES WESTERN AND EASTERN CIVILIZATION'S WORK AT IDENTIFYING AND CURING DISEASE. HE FOLLOWS THESE DISCOVERIES FROM THE LIBRARY TO THE BEDSIDE, HOSPITAL, AND LABORATORY, ILLUMINATING HOW BASIC BIOLOGICAL SCIENCES INTERACTED WITH CLINICAL PRACTICE OVER TIME. BUT HIS STORY IS MORE THAN ONE OF LAUDABLE SCIENTIFIC AND THERAPEUTIC ACHIEVEMENT. ACKERKNECHT ALSO POINTS TOWARD THE SOCIAL, ECOLOGICAL, ECONOMIC, AND POLITICAL CONDITIONS THAT SHAPE THE INCIDENCE OF DISEASE. IMPROVEMENTS IN HEALTH, ACKERKNECHT ARGUES, DEPEND ON MORE THAN LABORATORY KNOWLEDGE: THEY ALSO REQUIRE THAT WE IMPROVE THE LIVES OF ORDINARY MEN AND WOMEN BY ALTERING SOCIAL CONDITIONS SUCH AS POVERTY AND HUNGER. THIS REVISED AND EXPANDED EDITION INCLUDES A NEW FOREWORD AND CONCLUDING BIOGRAPHICAL ESSAY BY CHARLES E. ROSENBERG, ACKERKNECHT'S FORMER STUDENT AND A DISTINGUISHED HISTORIAN OF MEDICINE. A NEW BIBLIOGRAPHIC ESSAY BY LISA HAUSHOFER EXPLORES RECENT SCHOLARSHIP IN THE HISTORY OF MEDICINE.

**THE PRINCE OF MEDICINE** - SUSAN P. MATTERN 2013-06-03

GALEN OF PERGAMUM (A.D. 129 - CA. 216) BEGAN HIS REMARKABLE CAREER TENDING TO WOUNDED GLADIATORS IN PROVINCIAL ASIA MINOR. LATER IN LIFE HE ACHIEVED GREAT DISTINCTION AS ONE OF A SMALL CIRCLE OF COURT PHYSICIANS TO THE FAMILY OF EMPEROR MARCUS AURELIUS, AT THE VERY HEART OF ROMAN SOCIETY. SUSAN MATTERN'S THE PRINCE OF MEDICINE OFFERS THE FIRST AUTHORITATIVE BIOGRAPHY IN ENGLISH OF THIS BRILLIANT, AUDACIOUS, AND PROFOUNDLY INFLUENTIAL FIGURE. LIKE MANY GREEK INTELLECTUALS LIVING IN THE HIGH ROMAN EMPIRE, GALEN WAS A PRODIGIOUS POLYMATH, WRITING ON SUBJECTS AS VARIED AS ETHICS AND ECZEMA, GRAMMAR AND GOUT. INDEED, HE WAS (AS HE CLAIMED) AS HIGHLY REGARDED IN HIS LIFETIME FOR HIS PHILOSOPHICAL WORKS AS FOR HIS MEDICAL TREATISES. HOWEVER, IT IS FOR MEDICINE THAT HE IS MOST REMEMBERED TODAY, AND FROM THE LATER ROMAN EMPIRE THROUGH THE RENAISSANCE, MEDICAL EDUCATION WAS BASED LARGELY ON HIS WORKS. EVEN UP TO THE TWENTIETH CENTURY, HE REMAINED THE SINGLE MOST INFLUENTIAL FIGURE IN WESTERN MEDICINE. YET HE WAS A COMPLICATED INDIVIDUAL, FULL OF BREATHTAKING ARROGANCE, SHAMELESS SELF-PROMOTION, AND LACERATING WIT. HE WAS FIERCELY COMPETITIVE, ONCE DISEMBOWELING A LIVE MONKEY AND CHALLENGING THE PHYSICIANS IN ATTENDANCE TO CORRECTLY REPLACE ITS ORGANS. RELENTLESS IN HIS PURSUIT OF ANYTHING THAT WOULD CURE THE PATIENT, HE INSISTED ON RIGOROUS OBSERVATION AND, SOMETIMES, DARING EXPERIMENTATION. EVEN CONFRONTING ONE OF HISTORY'S MOST HORRIFIC EVENTS--A DEVASTATING OUTBREAK OF SMALLPOX--HE PERSEVERED, BEARING PATIENT WITNESS TO ITS PREDATIONS, YEAR AFTER YEAR. THE PRINCE OF MEDICINE GIVES US GALEN AS HE LIVED HIS LIFE, IN THE CITY OF ROME AT ITS APEX OF POWER AND DECADENCE, AMONG HIS FRIENDS, HIS RIVALS, AND HIS PATIENTS. IT OFFERS A DEEPLY HUMAN AND LONG-OVERDUE PORTRAIT OF ONE OF ANCIENT HISTORY'S MOST SIGNIFICANT AND ENGAGING FIGURES.

**LAST NIGHT IN THE OR** - BUD SHAW 2015-09-15

FOR READERS OF HENRY MARSH'S DO NO HARM, PAUL A. RUGGIERI'S CONFESSIONS OF A SURGEON, AND ATUL GAWANDE'S BETTER, A PIONEERING SURGEON SHARES MEMORIES FROM A LIFE IN ONE OF SURGERY'S MOST DEMANDING FIELDS THE 1980S MARKED A REVOLUTION IN THE FIELD OF ORGAN TRANSPLANTS, AND BUD SHAW, M.D., WHO STUDIED UNDER TOM STARZL IN PITTSBURGH, WAS ON THE FRONT LINES. NOW RETIRED FROM ACTIVE PRACTICE, DR. SHAW RELAYS GRIPPING MOMENTS OF ANGUISH AND ELATION, FRUSTRATION AND REWARD, DESPAIR AND HOPE IN HIS STRUGGLE TO SAVE PATIENTS. HE REVEALS HARSHLY INTIMATE MOMENTS OF HIS MEDICAL CAREER: TELLING A PATIENT'S HUSBAND THAT HIS WIFE HAS DIED DURING SURGERY; STRUGGLING TO COMPLETE A TWENTY-HOUR OPERATION AS MENTAL AND PHYSICAL EXHAUSTION INCH CLOSER AND CLOSER; AND FLYING TO RETRIEVE A DONOR ORGAN WHILE THE PATIENT WAITS IN THE OPERATING ROOM. WITHIN THESE MORE EMOTIONALLY CHARGED VIGNETTES ARE QUIETER ONES, TOO, LIKE GROWING UP IN RURAL OHIO, AND BEING AWAKENED LATE AT NIGHT BY FOOTSTEPS IN THE HALL AS HIS FATHER, ALSO A SURGEON, SLIPPED OUT OF THE HOUSE TO ATTEND TO A PATIENT IN THE ER. IN THE TRADITION OF MARY ROACH, JEROME GROOPMAN, ERIC TOPOL, AND ATUL GAWANDE, LAST NIGHT IN THE OR IS AN EXHILARATING, FAST-PACED, AND BEAUTIFULLY WRITTEN MEMOIR, ONE THAT WILL CAPTIVATE READERS WITH ITS COURAGE, INTIMACY, AND HONESTY.

**THE INVENTION OF SURGERY** - DAVID SCHNEIDER 2020-03-03

WRITTEN BY AN AUTHOR WITH PLENTY OF EXPERIENCE HOLDING A SCALPEL, DR. DAVID SCHNEIDER'S THE INVENTION OF SURGERY IS AN IN-DEPTH BIOGRAPHY OF THE PRACTICE THAT HAS LEAPT FORWARD OVER THE CENTURIES FROM THE DANGEROUS GUESSWORK OF ANCIENT GREEK PHYSICIANS THROUGH THE WORLD-CHANGING DEVELOPMENTS OF ANESTHESIA AND ANTISEPTIC OPERATING ROOMS TO THE "IMPLANT REVOLUTION" OF THE TWENTIETH CENTURY. THE INVENTION OF SURGERY IS HISTORY OF SURGERY THAT EXPLAINS THIS DRAMATIC, WORLD-CHANGING PROGRESS AND HIGHLIGHTS THE PERSONALITIES OF THE DISCIPLINE'S MOST DYNAMIC HISTORICAL FIGURES. IT LINKS TOGETHER THE LIVES OF THE PIONEERING SCIENTISTS WHO FIRST UNDERSTOOD WHAT CAUSES DISEASE AND HOW SURGERY COULD POWERFULLY INTERCEDE IN PEOPLE'S LIVES, AND THEN SHOWS HOW THE RISE OF SURGERY INTERSECTED WITH MANY OF THE GREATEST MEDICAL BREAKTHROUGHS OF THE LAST CENTURY. AND AS SCHNEIDER ARGUES, SURGERY HAS NOT FINISHED TRANSFORMING; NEW TECHNOLOGIES ARE CONSTANTLY REINVENTING BOTH THE PRACTICE OF SURGERY AND THE NATURE OF THE OBJECTS WE ARE PERMANENTLY IMPLANTING IN OUR BODIES. SCHNEIDER CONSIDERS THESE LATEST DEVELOPMENTS, ASKING "WHAT'S NEXT?" AND ANALYZING HOW OUR CONCEPTION OF SURGERY HAS CHANGED ALONGSIDE OUR EVOLVING IDEAS OF MEDICINE, TECHNOLOGY, AND OUR BODIES.

**BLOOD AND GUTS** - RICHARD HOLLINGHAM 2009-12-08

TODAY, ASTONISHING SURGICAL BREAKTHROUGHS ARE MAKING LIMB TRANSPLANTS, FACE TRANSPLANTS, AND A HOST OF OTHER PREVIOUSLY UN DREAMED OF OPERATIONS POSSIBLE. BUT GETTING HERE HAS NOT BEEN A SIMPLE STORY OF MEDICAL PROGRESS. IN BLOOD AND GUTS, VETERAN SCIENCE WRITER RICHARD HOLLINGHAM WEAVES A COMPELLING NARRATIVE FROM THE KEY MOMENTS IN SURGICAL HISTORY. WE HAVE A RINGSIDE SEAT IN THE OPERATING THEATER OF UNIVERSITY COLLEGE HOSPITAL IN LONDON AS WORLD-RENOWNED VICTORIAN SURGEON ROBERT LISTON PERFORMS A REMARKABLE AMPUTATION IN THIRTY SECONDS--FROM FIRST CUT TO FINAL STITCH. INNOVATIONS SUCH AS JOSEPH LISTER'S ANTISEPTIC TECHNIQUE, THE FIRST OPEN-HEART SURGERY, AND WALTER FREEMAN'S LOBOTOMY OPERATIONS, AMONG OTHER BREAKTHROUGHS, ARE BROUGHT TO LIFE IN THESE PAGES IN VIVID DETAIL. THIS IS POPULAR SCIENCE WRITING AT IT'S BEST.

**BLOOD AND GUTS** - GLORIA BURLEY 2008-11-24

**WHEN THE AIR HITS YOUR BRAIN: TALES FROM NEUROSURGERY** - FRANK VERTOSICK 2008-03-17

THE STORY OF ONE MAN'S EVOLUTION FROM NAIVE AND AMBITIOUS YOUNG INTERN TO WORLD-CLASS NEUROSURGEON. WITH POIGNANT INSIGHT AND HUMOR, FRANK VERTOSICK JR., MD, DESCRIBES SOME OF THE GREATEST CHALLENGES OF HIS CAREER, INCLUDING A SIX-WEEK-OLD INFANT WITH A TUMOR IN HER BRAIN, A YOUNG MAN STRUCK DOWN IN HIS PRIME BY PARAPLEGIA, AND A MINISTER WITH A .22-CALIBER BULLET LODGED IN HIS SKULL. TOLD THROUGH INTIMATE PORTRAITS OF VERTOSICK'S PATIENTS AND UNSPARING YET FASCINATINGLY DETAILED DESCRIPTIONS OF SURGICAL PROCEDURES, WHEN THE AIR HITS YOUR BRAIN--THE CULMINATION OF DECADES SPENT STRUGGLING TO LEARN AN UNFORGIVING CRAFT--ILLUMINATES BOTH THE MYSTERIES OF THE MIND AND THE REALITIES OF THE OPERATING ROOM.

**HOW TO CLONE THE PERFECT BLONDE** - SUE NELSON 2004

WANT TO TRAVEL BACK IN TIME TO YOUR HIGH SCHOOL PROM? WISH YOUR BRAIN HAD A "HARD DRIVE" THAT REMEMBERED ALL OF YOUR APPOINTMENTS? WOULDN'T YOU LOVE TO HAVE A PERMANENT SIZE 6 FIGURE? WHY CAN'T ROBOTS MAKE YOUR BED EVERY MORNING? BELIEVE IT OR NOT, THESE QUESTIONS AREN'T AS FAR-FETCHED AS THEY SOUND. IN HOW TO CLONE THE PERFECT BLONDE, AWARD-WINNING JOURNALIST SUE NELSON AND RICHARD HOLLINGHAM SHOW HOW CUTTING-EDGE SCIENCE HAS THE POWER TO MAKE ALL OF YOUR WILDEST DREAMS COME TRUE. THROUGH IRONIC "INSTRUCTIONS" ON "HOW TO TURN BACK TIME," "HOW TO BUILD A ROBOTIC SERVANT," AND OTHER FANTASIES, THEY OFFER AN UP-TO-THE-MINUTE EXPLORATION OF TIME TRAVEL, ROBOTICS, TELEPORTATION, CYBORGS, CLONING, GENE THERAPY, AND OTHER SCIENTIFIC MYSTERIES. EVERY PAGE BRINGS FRESH AND NEW SCIENTIFIC INSIGHTS. IN THE CHAPTER EXPLAINING "HOW TO SHORTEN YOUR COMMUTE," YOU'LL LEARN HOW AUSTRIAN SCIENTISTS "TELEPORTED" A PHOTON ACROSS A LABORATORY--AND WHY HUMAN BEINGS COULD BE NEXT. IN THE CHAPTER DESCRIBING "HOW TO CLONE THE PERFECT BLONDE," YOU'LL DISCOVER THAT PEOPLE HAVE BEEN HARVESTING AND EATING CLONES FOR CENTURIES (STRAWBERRIES AND POTATOES ARE JUST TWO OF THE MANY PLANTS THAT ARE IDENTICAL TO THEIR PARENTS). AND IN THE CHAPTER "HOW TO LIVE FOREVER," YOU'LL TOUR AMERICA'S THRIVING CRONICS INDUSTRY (WHERE RECENTLY DECEASED VOLUNTEERS ARE FROZEN TO -320°F AND STORED INDEFINITELY). IN THE TRADITION OF BESTSELLING POP-SCIENCE BOOKS LIKE THE PHYSICS OF STAR TREK AND HOW TO BUILD A TIME MACHINE, THIS ENTERTAINING READ EXPLORES THE SCIENCE OF SCIENCE FICTION AND PROVES THAT ANYTHING IS POSSIBLE!

**NO PLACE TO HIDE** - W. LEE WARREN 2014-05-06

JOIN AIR FORCE VETERAN DR. W. LEE WARREN AS HE CHRONICLES HIS FASCINATING, HEARTBREAKING, AND ENLIGHTENING EXPERIENCE AS A NEUROSURGEON IN AN IRAQ WAR COMBAT HOSPITAL. WARREN'S LIFE AS A NEUROSURGEON IN A TRAUMA CENTER BEGAN TO UNRAVEL LONG BEFORE HE SHIPPED OFF TO SERVE THE U.S. AIR FORCE IN IRAQ IN 2004. WHEN HE TRADED A COMFORTABLE, IF DEMANDING, PRACTICE IN SAN ANTONIO, TEXAS, FOR A RIDE ON A C-130 INTO THE COMBAT ZONE, HE WAS ALREADY REELING FROM MONTHS OF PERSONAL STRUGGLE. AT THE 332ND AIR FORCE THEATER HOSPITAL AT JOINT BASE BALAD, IRAQ, WARREN REALIZED HIS EXPERIENCE WITH TRAUMA WAS JUST BEGINNING. IN HIS 120 DAYS IN A TENT HOSPITAL, HE WAS TRAINED IN A DIFFERENT SPECIALTY--SURVIVING OVER A HUNDRED MORTAR ATTACKS AND TRYING DESPERATELY TO REPAIR THE DAMAGES OF A WAR THAT RAGED AROUND EVERY DETAIL OF EVERY DAY. NO PLACE WAS SAFE, AND THE CONSTANT BARRAGE WORE DOWN EVERY POSSIBLE DEFENSE, PHYSICAL OR PSYCHOLOGICAL. ONE DAY, CLAD ONLY IN A T-SHIRT, GYM SHORTS, AND RUNNING SHOES, WARREN WAS CAUGHT IN THE OPEN WHILE ROUND AFTER ROUND OF MORTARS SHOOK THE EARTH AND SHATTERED THE AIR WITH THEIR EXPLOSIONS, STRIPPING HIM OF EVERYTHING HE HAD BEEN TRYING SO DESPERATELY TO HOLD ON TO. IN NO PLACE TO HIDE, WARREN TELLS HIS STORY IN A BRAND-NEW LIGHT, SHARING HOW YOU CAN: DISCOVER WHO YOU ARE UNDER PRESSURE LEAN ON FAITH IN YOUR DARKEST DAYS FIND THE STRENGTH TO CARRY ON, NO MATTER WHAT YOU'RE FACING WHETHER YOU ARE IN THE MIDST OF YOUR OWN STRUGGLES WITH FAITH, RELATIONSHIPS, FINANCES, OR ILLNESS, NO PLACE TO HIDE WILL TEACH YOU THAT HOW YOU RESPOND IN MOMENTS OF CRISIS CAN DETERMINE YOUR CHANCES OF SURVIVAL. PRAISE FOR NO PLACE TO HIDE: "NO PLACE TO HIDE CAPTURES SIMPLY, ELOQUENTLY, AND PASSIONATELY WHAT IT MEANS TO BE A PHYSICIAN IN TIME OF WAR. OVER TEN YEARS OF WAR, WE SAFELY AIR EVACUATED MORE THAN NINETY THOUSAND INJURED AND ILL FROM IRAQ AND AFGHANISTAN--FIVE THOUSAND WERE THE SICKEST OF THE SICK. THIS VERY PERSONAL STORY CAPTURES THE ESSENCE OF WHAT IT TAKES TO BE A MILITARY PHYSICIAN AND THE CHALLENGE FOR OUR NATION TO REINTEGRATE ALL WHO DEPLOY TO WAR." --LT. GEN. (RET.) C. BRUCE GREEN, MD, 20TH AF SURGEON GENERAL "THROUGH WARREN'S EYES WE OBSERVE NOT ONLY THE DELICATE MECHANICS OF BRAIN SURGERY BUT ALSO ITS LIFELONG EFFECTS ON REAL PEOPLE AND THEIR FAMILIES, BOTH WHEN THE SURGERY SUCCEEDS AND WHEN IT FAILS. THANK YOU, LEE WARREN, FOR LETTING US SEE THE WORLD THROUGH YOUR OWN UNIQUE VANTAGE POINT. THANK YOU FOR THE LIVES YOU SAVED, FOR THE COMPASSION YOU SHOWED, FOR THE FAITH YOU REDISCOVERED, FOR REMINDING US OF THE PRECIOUS GIFT OF LIFE." --PHILIP YANCEY, BESTSELLING AUTHOR OF THE JESUS I NEVER KNEW

**SPARE PARTS** - PAUL CRADDOCK 2022-05-10

PAUL CRADDOCK'S SPARE PARTS OFFERS AN ORIGINAL LOOK AT THE HISTORY OF MEDICINE ITSELF THROUGH THE RICH, COMPELLING, AND DELIGHTFULLY MACABRE STORY OF TRANSPLANT SURGERY FROM ANCIENT TIMES TO THE PRESENT DAY. HOW DID AN ARCHITECT HELP PIONEER BLOOD TRANSFUSION IN THE 1660'S? WHY DID EIGHTEENTH-CENTURY DENTISTS BUY THE LIVE TEETH OF POOR CHILDREN? AND WHAT ROLE DID A SAUSAGE SKIN AND AN ENAMEL BATH PLAY IN MAKING KIDNEY TRANSPLANTS A REALITY? WE THINK OF TRANSPLANT SURGERY AS ONE OF THE MEDICAL WONDERS OF THE MODERN WORLD. BUT TRANSPLANT SURGERY IS AS ANCIENT AS THE PYRAMIDS, WITH A HISTORY MORE SURPRISING THAN WE MIGHT EXPECT. PAUL CRADDOCK TAKES US ON A JOURNEY - FROM SIXTEENTH-CENTURY SKIN GRAFTING TO CONTEMPORARY STEM CELL TRANSPLANTS - UNCOVERING STORIES OF OPERATIONS PERFORMED BY UNEXPECTED PEOPLE IN UNEXPECTED PLACES. BRINGING TOGETHER PHILOSOPHY, SCIENCE AND CULTURAL HISTORY, SPARE PARTS EXPLORES HOW TRANSPLANT SURGERY CONSTANTLY TESTED THE BOUNDARIES BETWEEN HUMAN, ANIMAL, AND MACHINE, AND CONTINUES TO DO SO TODAY. WITTY, ENTERTAINING, AND ILLUMINATING, SPARE PARTS SHOWS US THAT THE HISTORY - AND FUTURE - OF TRANSPLANT SURGERY IS TIED UP WITH QUESTIONS ABOUT NOT ONLY WHO WE ARE, BUT ALSO WHAT WE ARE, AND WHAT WE MIGHT BECOME.

[KING OF HEARTS - G. WAYNE MILLER 2000-02-01](#)

FEW OF THE GREAT STORIES OF MEDICINE ARE AS PALPABLY DRAMATIC AS THE INVENTION OF OPEN-HEART SURGERY, YET, UNTIL NOW, NO JOURNALIST HAS EVER BROUGHT ALL OF THE THRILLING SPECIFICS OF THIS TRIUMPH TO LIFE. THIS IS THE STORY OF THE SURGEON MANY CALL THE FATHER OF OPEN-HEART SURGERY, DR. C. WALTON LILLEHEI, WHO, ALONG WITH COLLEAGUES AT UNIVERSITY HOSPITAL IN MINNEAPOLIS AND A SMALL BAND OF PIONEERS ELSEWHERE, ACCOMPLISHED WHAT MANY EXPERTS CONSIDERED TO BE AN IMPOSSIBLE FEAT: HE OPENED THE HEART, REPAIRED FATAL DEFECTS, AND MADE THE MIRACULOUS ROUTINE. ACCLAIMED AUTHOR G. WAYNE MILLER DRAWS ON ARCHIVAL RESEARCH AND EXCLUSIVE INTERVIEWS WITH LILLEHEI AND LEGENDARY PIONEERS SUCH AS MICHAEL DEBAKEY AND CHRISTIAAN BARNARD, TAKING READERS INTO THE LIVES OF THESE DOCTORS AND THEIR PATIENTS AS THEY PROGRESS TOWARD THEIR LANDMARK ACHIEVEMENT. IN THE TRADITION OF WORKS BY RICHARD RHODES AND TRACY KIDDER, KING OF HEARTS TELLS THE STORY OF AN IMPORTANT AND GRIPPING PIECE OF FORGOTTEN SCIENCE HISTORY.

[BLOOD ON CHINA BEACH - PAUL J. PITLYK 2012-11-21](#)

MORE THAN ONCE DURING HIS YEARLONG DUTY, THIRTY-TWO-YEAR-OLD PAUL J. PITLYK WONDERED WHAT HAD POSSESSED HIM TO LEAVE THE SECURITY OF A NEUROSURGERY PRACTICE IN THE MIDWEST TO EXPERIENCE THE BLOOD, GUTS, AND GORE OF BRAIN SURGERY AT A FORWARD MARINE HOSPITAL DURING THE VIETNAM WAR. IN BLOOD ON CHINA BEACH, PITLYK, A NEUROSURGEON FROM THE MAYO CLINIC, SHARES THE STORY OF HOW HE LEARNED HIS CRAFT IN A RUDIMENTARY HOSPITAL IN VIETNAM, TWELVE THOUSAND MILES FROM HOME. THIS MEMOIR PICKS UP WHERE MOST VIETNAM BATTLEFIELD MEMOIRS LEAVE OFF—WHEN THE CHOPPERS DELIVER THE DEAD AND GRAVELY WOUNDED TO THE FIELD HOSPITALS AND THE DEDICATED DOCTORS AND MEDICAL STAFF STRUGGLE UNDER PRIMITIVE AND UNSTERILE CONDITIONS TO PRESERVE LIFE. IN THIS ENVIRONMENT, PITLYK WAS CHARGED WITH CARRYING OUT EMERGENCY NEUROSURGERY ON THOSE SOLDIERS SUSTAINING HEAD INJURIES. HE DETAILS BOTH THE EMOTIONAL AND PROFESSIONAL FACTORS THAT PLAYED A ROLE IN HIS SERVICE AND PROVIDES A UNIQUE PERSPECTIVE TO THE VIETNAM WAR. INSIGHTFUL AND HISTORICALLY SIGNIFICANT, BLOOD ON CHINA BEACH SHOWS PITLYK'S REVERENCE FOR LIFE AND HIS ADMIRATION FOR THE BRAVERY OF THE MARINES HE OPERATED ON, EVEN AS HE QUESTIONED HIS OWN ABILITY TO MAKE A DIFFERENCE. THIS MEMOIR SHOWS PAUL'S EVOLUTION FROM CHILD TO MAN AND FROM NEOPHYTE TO SURGEON.

[ELEMENTS OF SURGERY - ROBERT LISTON 1835](#)

[WE STAND ON THE SHOULDERS OF GIANTS - GOSTA IWASIUKE 2019-05-28](#)

THE IMPORTANT LANDMARKS IN THE EVOLUTION OF THE SURGICAL ART AND SCIENCE FROM THE NEOLITHIC PERIOD TO THE PRESENT ARE PRESENTED IN A PERSONAL AND READABLE STYLE THAT WILL CAPTURE YOUR ATTENTION, AVOIDING TECHNICAL JARGON, AND CAN BE UNDERSTOOD BY EVERYONE. ALTHOUGH THE BOOK IS SPECIFICALLY WRITTEN FOR THE YOUNG SURGEON IN TRAINING SO THAT HE/SHE WILL BE KNOWLEDGEABLE ABOUT THE HISTORY OF THEIR PROFESSION, AND THE GIANTS ON WHOSE SHOULDERS THEY STAND. THE AUTHOR OFTEN HAS PERSONAL VIGNETTES WITH SOME OF THE GIANTS OF SURGERY OF HIS GENERATION WHOM HE ENCOUNTERED IN HIS HALF CENTURY IN THE PROFESSION, SOME OF WHICH HAVE NEVER BEEN REVEALED BEFORE. KNOWING HISTORY ALLOWS US TO AVOID REPEATING SOME OF THE MISTAKES OF THE PAST, AND CONVERSELY ALLOWS US TO BUILD ON PREVIOUS SUCCESSES. THE PAST CAN AND HAS LAID THE GROUNDWORK FOR THE FUTURE. THE LAST CHAPTER MAKES SOME PREDICTIONS OF WHERE SURGERY IS HEADED.

[DR. MUTTER'S MARVELS - CRISTIN O'KEEFE APTOWICZ 2015-09-08](#)

A MESMERIZING BIOGRAPHY OF THE BRILLIANT AND ECCENTRIC MEDICAL INNOVATOR WHO REVOLUTIONIZED AMERICAN SURGERY AND FOUNDED THE COUNTRY'S MOST FAMOUS MUSEUM OF MEDICAL ODDITIES IMAGINE UNDERGOING AN OPERATION WITHOUT ANESTHESIA, PERFORMED BY A SURGEON WHO REFUSES TO STERILIZE HIS TOOLS—OR EVEN WASH HIS HANDS. THIS WAS THE WORLD OF MEDICINE WHEN THOMAS DENT M<sup>d</sup> MUTTER BEGAN HIS TRAILBLAZING CAREER AS A PLASTIC SURGEON IN PHILADELPHIA DURING THE MID-NINETEENTH CENTURY. ALTHOUGH HE DIED AT JUST FORTY-EIGHT, M<sup>d</sup> MUTTER WAS AN AUDACIOUS MEDICAL INNOVATOR WHO PIONEERED THE USE OF ETHER AS ANESTHESIA, THE STERILIZATION OF SURGICAL TOOLS, AND A COMPASSION-BASED VISION FOR HELPING THE SEVERELY DEFORMED, WHICH CLASHED SPECTACULARLY WITH THE SENTIMENTS OF HIS TIME. BRILLIANT, OUTSPOKEN, AND BRAZENLY HANDSOME, M<sup>d</sup> MUTTER WAS FLAMBOYANT IN EVERY ASPECT OF HIS LIFE. HE WORE PINK SILK SUITS TO PERFORM SURGERY, ADDED AN UMLAUT TO HIS LAST NAME JUST BECAUSE HE COULD, AND AMASSED AN IMMENSE COLLECTION OF MEDICAL ODDITIES THAT WOULD LATER FORM THE BASIS OF PHILADELPHIA'S RENOWNED M<sup>d</sup> MUTTER MUSEUM. AWARD-WINNING WRITER CRISTIN O'KEEFE APTOWICZ VIVIDLY CHRONICLES HOW M<sup>d</sup> MUTTER'S EFFORTS HELPED ESTABLISH PHILADELPHIA AS A GLOBAL MECCA FOR MEDICAL INNOVATION—DESPITE INTENSE RESISTANCE FROM HIS NUMEROUS RIVALS. (FOREMOST AMONG THEM: CHARLES D. MEIGS, AN INFLUENTIAL OBSTETRICIAN WHO LOATHED M<sup>d</sup> MUTTER'S "OVERLY MODERN" MEDICAL OPINIONS.) IN THE NARRATIVE SPIRIT OF THE DEVIL IN THE WHITE CITY, DR. M<sup>d</sup> MUTTER'S MARVELS INTERWEAVES AN EYE-OPENING PORTRAIT OF NINETEENTH-CENTURY MEDICINE WITH THE RIVETING BIOGRAPHY OF A MAN ONCE DESCRIBED AS THE "[P. T.] BARNUM OF THE SURGERY ROOM."

[THE KNIFE MAN - WENDY MOORE 2006-09-12](#)

THE VIVID, OFTEN GRUESOME PORTRAIT OF THE 18TH-CENTURY PIONEERING SURGEON AND

FATHER OF MODERN MEDICINE, JOHN HUNTER. WHEN ROBERT LOUIS STEVENSON WROTE HIS GOTHIC HORROR STORY OF DR. JEKYLL AND MR. HYDE, HE BASED THE HOUSE OF THE GENIAL DOCTOR-TURNED-FIEND ON THE HOME OF JOHN HUNTER. THE CHOICE WAS UNDERSTANDABLE, FOR HUNTER WAS BOTH WIDELY ACCLAIMED AND GREATLY FEARED. FROM HUMBLE ORIGINS, JOHN HUNTER ROSE TO BECOME THE MOST FAMOUS ANATOMIST AND SURGEON OF THE EIGHTEENTH CENTURY. IN AN AGE WHEN OPERATIONS WERE CRUDE, EXTREMELY PAINFUL, AND OFTEN FATAL, HE REJECTED MEDIEVAL TRADITIONS TO FORGE A REVOLUTION IN SURGERY FOUNDED ON PIONEERING SCIENTIFIC EXPERIMENTS. USING THE KNOWLEDGE HE GAINED FROM COUNTLESS HUMAN DISSECTIONS, HUNTER WORKED TO IMPROVE MEDICAL CARE FOR BOTH THE POOREST AND THE BEST-KNOWN FIGURES OF THE ERA—INCLUDING SIR JOSHUA REYNOLDS AND THE YOUNG LORD BYRON. AN INSATIABLE STUDENT OF ALL LIFE-FORMS, HUNTER WAS ALSO AN EXPERT NATURALIST. HE KEPT EXOTIC CREATURES IN HIS COUNTRY MENAGERIE AND DISSECTED THE FIRST ANIMALS BROUGHT BACK BY CAPTAIN COOK FROM AUSTRALIA. ULTIMATELY HIS RESEARCH LED HIM TO EXPOUND HIGHLY CONTROVERSIAL VIEWS ON THE AGE OF THE EARTH, AS WELL AS EQUALLY HERETICAL BELIEFS ON THE ORIGINS OF LIFE MORE THAN SIXTY YEARS BEFORE DARWIN PUBLISHED HIS FAMOUS THEORY. ALTHOUGH A CENTRAL FIGURE OF THE ENLIGHTENMENT, HUNTER'S TIRELESS QUEST FOR HUMAN CORPSES IMMERSSED HIM DEEP IN THE SINISTER WORLD OF BODY SNATCHING. HE PAID EXORBITANT SUMS FOR STOLEN CADAVERS AND EVEN PLOTTED SUCCESSFULLY TO STEAL THE BODY OF CHARLES BYRNE, FAMOUS IN HIS DAY AS THE "IRISH GIANT." IN THE KNIFE MAN, WENDY MOORE UNVEILS JOHN HUNTER'S MURKY AND MACABRE WORLD—A WORLD CHARACTERIZED BY PUBLIC HANGINGS, SECRET EXPEDITIONS TO DANK CHURCHYARDS, AND GRUESOME HUMAN DISSECTIONS IN PUNGENT ATTIC ROOMS. THIS IS A FASCINATING PORTRAIT OF A REMARKABLE PIONEER AND HIS DETERMINED STRUGGLE TO HAUL SURGERY OUT OF THE REALMS OF MEANINGLESS SUPERSTITIOUS RITUAL AND INTO THE DAWN OF MODERN MEDICINE.

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BUILD A SOLID FOUNDATION IN SURGICAL AI WITH THIS ENGAGING, COMPREHENSIVE GUIDE FOR AI NOVICES MACHINE LEARNING, NEURAL NETWORKS, AND COMPUTER VISION IN SURGICAL EDUCATION, PRACTICE, AND RESEARCH WILL SOON BE DE RIGUEUR. WRITTEN FOR SURGEONS WITHOUT A BACKGROUND IN MATH OR COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE IN SURGERY PROVIDES EVERYTHING YOU NEED TO EVALUATE NEW TECHNOLOGIES AND MAKE THE RIGHT DECISIONS ABOUT BRINGING AI INTO YOUR PRACTICE. COMPREHENSIVE AND EASY TO UNDERSTAND, THIS FIRST-OF-ITS-KIND RESOURCE ILLUSTRATES THE USE OF AI IN SURGERY THROUGH REAL-LIFE EXAMPLES. IT COVERS THE ISSUES MOST RELEVANT TO YOUR PRACTICE, INCLUDING: NEURAL NETWORKS AND DEEP LEARNING NATURAL LANGUAGE PROCESSING COMPUTER VISION SURGICAL EDUCATION AND SIMULATION PREOPERATIVE RISK STRATIFICATION INTRAOPERATIVE VIDEO ANALYSIS OR BLACK BOX AND TRACKING OF INTRAOPERATIVE EVENTS ARTIFICIAL INTELLIGENCE AND ROBOTIC SURGERY NATURAL LANGUAGE PROCESSING FOR CLINICAL DOCUMENTATION LEVERAGING ARTIFICIAL INTELLIGENCE IN THE EMR ETHICAL IMPLICATIONS OF ARTIFICIAL INTELLIGENCE IN SURGERY ARTIFICIAL INTELLIGENCE AND HEALTH POLICY ASSESSING STRENGTHS AND WEAKNESSES OF ARTIFICIAL INTELLIGENCE RESEARCH FINALLY, THE APPENDIX INCLUDES A DETAILED GLOSSARY OF TERMS AND IMPORTANT LEARNING RESOURCES AND TECHNIQUES—ALL OF WHICH HELPS YOU INTERPRET CLAIMS MADE BY STUDIES OR COMPANIES USING AI.