

Baxi Luna 1 240 Fi Service Manual

There are growing questions regarding the safety, quality, risk management, and costs of PCC teams, their training and preparedness, and their implications on the welfare of patients and families. This innovative book, authored by an international authorship, will highlight the best practices in improving survival while paving a roadmap for the expected changes in the next 10 years as healthcare undergoes major transformation and reform. An invited group of experts in the field will participate in this project to provide the timeliest and informative approaches to how to deal with this global health challenge. The book will be indispensable to all who treat pediatric cardiac disease and will provide important information about managing the risk of patients with pediatric and congenital cardiac disease in the three domains of: the analysis of outcomes, the improvement of quality, and the safety of patients.

In this third edition, the editors have accounted for the numerous changes in protocols for managing poison ingestions and have again provided an indispensable resource for all students of pharmacy and the health sciences on the basic principles of clinical toxicology. The book's unique focus on the fundamentals helps the reader understand why events occur and why a particular treatment is selected. Each chapter presents pertinent information on classes of toxic agents, their common sources and usual methods of intoxication, incidence and frequency of poisoning, mechanisms of action, clinical signs and symptoms of poisoning and management guidance. The text includes illustrative case studies, carefully selected to reinforce the information covered. Each chapter concludes with review questions to further enhance comprehension.

Until recently, the cellular basis for sudden death, the Brugada Syndrome, has largely remained an unknown to modern arrhythmologists and cardiologists, particularly in the absence of any structural heart disease. Detailed observations of age-groups, especially the young, families and populations where sudden death frequently occurs, and improved understanding of its contributory factors and mechanisms are, however, showing the way forward. This addition to the Clinical Approaches to Tachyarrhythmias (CATA) Series, written by the investigators who discovered and probed the Brugada Syndrome, discusses the history, etiology, pathology and clinical manifestations of sudden death. From diagnosis, prognosis, to therapeutic approaches using the latest catheter ablation techniques, electrophysiological surgery, and genetic appraisal, the work is a testimony to the author's investigation. Using clinical cases in Thailand and Laos, they further unravel the syndrome's molecular mechanisms, studying related syndromes, such as the long-QT syndrome, infant death, and arrhythmogenic right ventricular cardiomyopathy. By being informed of the electrophysiological abnormalities that contribute to familial and genetic diseases, physicians, cardiologists and all those who care for patients with cardiac arrhythmias will be better able to identify and treat patients in whom the Brugada Syndrome may strike next.

Ending identity conflicts through negotiated agreements is an intractable process that is embedded complexly in the nation-building process. Ariel Hernandez looks on the complexity of the nation-building process in the Philippines and how its social and political context constrains the achievement of a peace agreement that would withhold new challenges as the process unfolds. Mediation as one of the possible modes of intervention to resolve identity conflicts is taken as the self-evident instrument to end the 40 year old conflict between the Filipino society at large and the Bangsamoro. The analysis confirms that mediation and other types of intervention are contributing to the intractability of identity conflicts by bringing in further complexities in the negotiation process. The conceptualization of "stumbling blocks" may provide knowledge

based resources to develop strategies to “facilitate” the mediation process that allows negotiating parties to cope with the complexity of the bargaining table.

In 2004, the State Department gathered more than a thousand interviews from refugees in Chad that verified Colin Powell's UN and congressional testimonies about the Darfur genocide. The survey cost nearly a million dollars to conduct and yet it languished in the archives as the killing continued, claiming hundreds of thousands of murder and rape victims and restricting several million survivors to camps. This book fully examines that survey and its heartbreaking accounts. It documents the Sudanese government's enlistment of Arab Janjaweed militias in destroying black African communities. The central questions are: why is the United States so ambivalent to genocide? Why do so many scholars deemphasize racial aspects of genocide? How can the science of criminology advance understanding and protection against genocide? This book gives a vivid firsthand account and voice to the survivors of genocide in Darfur.

This proceedings volume, with more than 30 chapters, is based on the presentations given at the National Conference on Water Resources and Hydropower (WRHP-2016) and represents the state-of-the-art in water resources in India. It includes experimental investigations, field studies, theoretical developments, numerical methods, as well as engineering achievements in water resources. The contributions are organised under four main topics: • Water Resources and Management: covers the issues related to water resources planning and management, water conservation, flood mitigation, policies and governance, conflict over rivers and planning of groundwater evolution, Assessment of Sedimentation, Surface water quality, Rainfall assessment, • Climate Change and Global Warming: includes chapters on the impact of climate on water resources and groundwater, hydrological impacts of climate change, Ground Water Contaminants, Assessment of Evaporation and evapotranspiration effects on global warming • Hydraulic Structures: presents contributions on fluvial hydraulics, flow through Weirs, Open Channel flow, river flood control, scour and erosion, dam and downstream block failures and protection, Losses in pipes By combining these topics, the book provides a valuable resource for practitioners and researchers, including field engineers, academicians, planners, health specialists, disaster managers, decision makers and policy makers engaged in various aspects of water resources and hydropower. The WRHP-2016 was organised in association with the Indian Institute of Technology, Roorkee, Utrakhand Jal Vidyut Nigam Limited and the Indian Society for Hydraulics, Pune and was held in University of Petroleum and Energy Studies, Dehradun, India from June 17-18, 2016.

This important volume provides a comprehensive overview of hepatotoxicity and medicinal plants used for protecting the liver and for curing liver toxicity and liver diseases. To date, there has been no extensive resource on the plants that are used in this capacity, both in traditional medicine and in modern medicine. This book fills that gap. It presents information on the medicinal plants used in traditional medicine (both codified and noncodified) and in ethnomedicine, including the plant parts used and methods of use and dosages. The phytochemicals extracted from medicinal plants, screened and used in modern medicine for liver protection and curing liver problems, are given in detail, and the methods of screening are given as well. Methods of assay for screening the medicinal plants are also presented. Key features: • Provides complete information on plants that show hepatoprotective properties • Lists and discusses the phytochemicals useful for liver protection and cures • Considers traditional uses and ethnomedicinal plants for liver protection • Details the plant parts and the extracts that have protection properties and the active principles showing hepatoprotection

Industrial revolutions have impacted both, manufacturing and service. From the steam engine to digital automated production, the industrial revolutions have conducted significant changes in operations and supply chain management (SCM) processes. Swift changes in

manufacturing and service systems have led to phenomenal improvements in productivity. The fast-paced environment brings new challenges and opportunities for the companies that are associated with the adaptation to the new concepts such as Internet of Things (IoT) and Cyber Physical Systems, artificial intelligence (AI), robotics, cyber security, data analytics, block chain and cloud technology. These emerging technologies facilitated and expedited the birth of Logistics 4.0. Industrial Revolution 4.0 initiatives in SCM has attracted stakeholders' attentions due to its ability to empower using a set of technologies together that helps to execute more efficient production and distribution systems. This initiative has been called Logistics 4.0 of the fourth Industrial Revolution in SCM due to its high potential. Connecting entities, machines, physical items and enterprise resources to each other by using sensors, devices and the internet along the supply chains are the main attributes of Logistics 4.0. IoT enables customers to make more suitable and valuable decisions due to the data-driven structure of the Industry 4.0 paradigm. Besides that, the system's ability of gathering and analyzing information about the environment at any given time and adapting itself to the rapid changes add significant value to the SCM processes. In this peer-reviewed book, experts from all over the world, in the field present a conceptual framework for Logistics 4.0 and provide examples for usage of Industry 4.0 tools in SCM. This book is a work that will be beneficial for both practitioners and students and academicians, as it covers the theoretical framework, on the one hand, and includes examples of practice and real world.

Drawing on human rights discourse and a study of the difficulties faced by religious minority groups (using the Ahmadiyya minority group as a case study), this book presents three interconnected challenges to human rights culture in Indonesia. First, it presents a normative challenge, describing the gap between philosophical and normative principles of human rights on one side and the overall problems and critical issues of human rights at national and local levels on the other. Second, it considers the political problems in developing and strengthening human rights culture. The political challenge addresses the ability (or inability) of the state to guarantee the rights of certain individuals and minority groups. Third, it examines the sociological challenge of majority-minority group relationships in human rights discourse and practices. This book describes the background of human rights in Indonesia and reviews the previous literature on the issue. It also presents a comprehensive review of the discourses about human rights and political changes in contemporary Indonesia. The analysis focuses on how human rights challenges affect the situation of religious minorities, looking in particular at the Ahmadiyya as a minority group that experiences human rights violations such as discrimination, persecution, and violence. The study fills out its treatment of these issues by examining the involvement of actors both from the state and society, addressing also the politics of human rights protection.

This book represents an introduction to and overview of the diverse facets of the ethical challenges confronting companies today. It introduces executives, students and interested observers to the complex trends and developments in business ethics. Coverage presents industry-specific topics in ethics. The book also provides a general, interdisciplinary survey of the ethical dimensions of management and business.

Explains how animals use chemical communication, emphasising the evolutionary context and covering fields from ecology to neuroscience and chemistry.

This book delineates the state of the art of the diagnosis and treatment of J wave syndromes, as well as where future research needs to be directed. It covers basic science, translational and clinical aspects of these syndromes. The authors are leading experts in their respective fields, who have contributed prominently to the literature concerning these topics. J wave syndromes are one of the hottest topics in cardiology today. Cardiac arrhythmias associated with Brugada syndrome (BrS) or an early repolarization (ER) pattern in the inferior or infero-

lateral ECG leads are thought to be mechanistically linked to accentuation of transient outward current (Ito)-mediated J waves. Although BrS and ER syndrome (ERS) differ with respect to magnitude and lead location of abnormal J waves, they are thought to represent a continuous spectrum of phenotypic expression termed J wave syndromes. ERS is divided into three subtypes with the most severe, Type 3, displaying an ER pattern globally in the inferior, lateral and right precordial leads. BrS has been linked to mutations in 19 different genes, whereas ERS has been associated with mutations in 7 different genes. There is a great deal of confusion as to how to properly diagnose and treat the J wave syndromes as well as confusion about the underlying mechanisms. The demonstration of successful epicardial ablation of BrS has provided new therapeutic options for the management of this syndrome for which treatment alternatives are currently very limited, particularly in the case of electrical storms caused by otherwise uncontrollable recurrent VT/VF. An early repolarization pattern is observed in 2-5% of the US population. While it is clear that the vast majority of individuals exhibiting an ER pattern are not at risk for sudden cardiac death, the challenge moving forward is to identify those individuals who truly are at risk and to design safe and effective treatments.

Offers guidance on the use of ultrasonography in a clinical setting, covering benign and malignant gynecological disease and infertility. This book highlights recent advances in computational intelligence for signal processing, computing, imaging, artificial intelligence, and their applications. It offers support for researchers involved in designing decision support systems to promote the societal acceptance of ambient intelligence, and presents the latest research on diverse topics in intelligence technologies with the goal of advancing knowledge and applications in this rapidly evolving field. As such, it offers a valuable resource for researchers, developers and educators whose work involves recent advances and emerging technologies in computational intelligence.

An instant New York Times bestseller, John Kerry's revealing memoir offers "a detailed record of an important life...frank, thoughtful, and clearly written...A bittersweet reminder of what the country once demanded of its leaders" (The New York Times Book Review). Every Day Is Extra is John Kerry's candid personal story. A Yale graduate, Kerry enlisted in the US Navy in 1966, and served in Vietnam. He returned home highly decorated but disillusioned, and he testified powerfully before Congress as a young veteran opposed to the war. Kerry was elected to the Senate in 1984, eventually serving five terms. In 2004 he was the Democratic presidential nominee and came within one state—Ohio—of winning. He succeeded Hillary Clinton as Secretary of State in 2013. In that position he tried to find peace in the Middle East; dealt with the Syrian civil war while combatting ISIS; and negotiated the Iran nuclear deal and the Paris climate agreement. "In these pages Kerry shows remarkable honesty, depth, even spirituality...There is remarkable poignancy—not the usual currency of the career politician and the country's top diplomat" (The Boston Globe). A witness to some of the most important events of our recent history, Kerry tells wonderful stories about colleagues Ted Kennedy and John McCain, as well as President Obama and other major figures. He writes movingly of recovering his faith while in the Senate, and how he deplores the hyper-partisanship that has infected Washington. Every Day Is Extra "draws back the curtain on a life you thought you knew, but turns out to be a bit different...A surprisingly personal book" (The Washington Post) that shows Kerry for the dedicated, witty, and authentic man that he is and provides forceful testimony for the importance of diplomacy and American leadership to address the increasingly complex challenges of a more globalized world.

This volume investigates how much governmental control is needed to reign in corporate and business greed and to make

business "socially responsible" in Asia. It also questions whether business entities need to be reigned in by the government itself, or if other social, religious, or economic dynamics shape business entities in Asia. Moreover, it looks at how the Asian third sector influences BSR/CSR activities.

The Ancient Legend Of Puran Bhagat Is Part Of The Folk Culture Of Punjab And Other States Of North India. In Medieval Times Kadiyar Wrote Two Versions Of The Story In Punjabi. Shiv Kumar Batalvi's Luna Is Based On This Legend.

According to the World Health Organization, the epidemic of global obesity has nearly tripled since 1975. In 2016, more than 1.9 billion adults were overweight, over 650 million of which were obese. Being overweight and obese has been linked to a number of non-communicable, chronic diseases. Pathophysiology of Obesity-Induced Health Complications is a compilation of review articles dedicated to describe co-morbidities associated with obesity. The wide range that is covered is of significant interest to basic research scientists, clinicians and graduate students who are engaged in studying obesity-induced health complications.

Furthermore, this book highlights the potential of novel approaches for the prevention and treatment of obesity and its related illnesses. Nineteen articles in this book are organized in four sections that are designed to provide an overview of obesity-induced health complications. The first section serves as an introductory section on the prevalence, causes, consequences, treatments and preventive approaches for obesity. Section two covers the metabolic disturbances and inflammation due to obesity. The third section is focused on neurological and visceral complications as a consequence of obesity. The final section covers strategies for the prevention of obesity-induced complications. The book illustrates that obesity can result in a diverse range of pathophysiological conditions that adversely affect health.

Li Po (AD 701-62) and Tu Fu (AD 712-70) were devoted friends who are traditionally considered to be among China's greatest poets. Li Po, a legendary carouser, was an itinerant poet whose writing, often dream poems or spirit-journeys, soars to sublime heights in its descriptions of natural scenes and powerful emotions. His sheer escapism and joy is balanced by Tu Fu, who expresses the Confucian virtues of humanity and humility in more autobiographical works that are imbued with great compassion and earthy reality, and shot through with humour. Together these two poets of the T'ang dynasty complement each other so well that they often came to be spoken of as one - 'Li-Tu' - who covers the whole spectrum of human life, experience and feeling.

This book explores the changing nature of international law and its ability to respond to the contemporary issues related to international environment, trade and information technology. The evolution of international law has reached a stage where we are witnessing diminishing power of the state and its capacity to deal with the economic matters challenging the existing notions of territory and sovereignty. Recent trends in international law and international relations show that states no longer have exclusive control over the decision-making process at the global level. Keeping this in mind, the book brings together the perspectives of various international and national scholars. The book considers diverse issues such as, sustainable development, climate change, global warming, Rio+20, technology transfer, agro-biodiversity and genetic resource, authority for protection of environment, human right to water, globalization, human rights, sui generis options in IP laws, impact of liberalization on higher education,

regulation of international trade, intellectual property rights, collective administration of copyright, broadcast reproduction rights, implementation of copyright law, communication rights under copyright law, arbitration for IP disputes, doctrine of exhaustion of rights, trans-border reputation of trademark, information as an asset, cyber obscenity and pornography, e-governance, taxation of e-commerce, computer crime, information technology, domain names, research excellence in legal education, ideological perspective on legal education, challenges for law teachers, and clinical legal education. The topics, though diverse, are closely interrelated, with the common concern throughout being that the global environment, international trade, information technology and legal education need appropriate national normative and institutional responses as well as the global cooperation of members of the international community. Presenting reflections of a number of Asian, African and European scholars on these varied facets, the book is of great value to scholars, practitioners, teachers and students associated with contemporary international law.

This book, divided in two volumes, originates from Techno-Societal 2020: the 3rd International Conference on Advanced Technologies for Societal Applications, Maharashtra, India, that brings together faculty members of various engineering colleges to solve Indian regional relevant problems under the guidance of eminent researchers from various reputed organizations. The focus of this volume is on technologies that help develop and improve society, in particular on issues such as sensor and ICT based technologies for the betterment of people, Technologies for agriculture and healthcare, micro and nano technological applications. This conference aims to help innovators to share their best practices or products developed to solve specific local problems which in turn may help the other researchers to take inspiration to solve problems in their region. On the other hand, technologies proposed by expert researchers may find applications in different regions. This offers a multidisciplinary platform for researchers from a broad range of disciplines of Science, Engineering and Technology for reporting innovations at different levels.

This compilation edition contains the critically acclaimed serial killer thriller "Killing Matt Cooper" as well as its sequel "Killing Sam Knight." "Killing Matt Cooper" A FEMA crisis manager by day and serial killer by night becomes romantically involved with the FBI unit chief hunting him down. "Killing Sam Knight" What happens when a serial killer falls in love...and finds a partner in crime? So caught up in his lovedrunk daze, killer Samuel H. Knight winds up in the crosshairs of another dangerous murderer -- one seeking revenge, closure, and love. "Killing Miss Underwood" Find an exclusive free preview of Book #3 of The Knight Chronicles in this compilation edition!

Human Rights Culture in Indonesia Attacks on the Ahmadiyya Minority Group Walter de Gruyter GmbH & Co KG
The publication of this critical edition of the Targum of Job fills a significant gap in the availability of Targum texts, and provides scholars with ready access to the variant readings of 14 manuscripts as well as 2 printed editions of this important Targum.

The purpose of this book is to give providers of all levels a simple and essential source of practical information in treating the elderly trauma and emergency surgery patient. The Introduction instructs practitioners how to evaluate and assess

risk including frailty and use this information in Goals of Care discussions to facilitate shared decision making so crucial to this population. The individual chapters consist of best practices and care guidelines from some of the most well-known thought leaders and best trauma centers in the country across the spectrum from geriatricians to trauma and acute care surgeons and nurses. Each chapter contains easy-to-read algorithms and references that the readers can use and adapt for their own setting. Chapters on Pre-hospital care will help guide EMS organizations and even systems in the right care and triage of the elderly. Each chapter also contains a Nursing Focus section for helpful nursing tips in caring for the elderly with those injuries and problems. These sections make this book a must-have for any center looking to improve its care of the elderly patient or just trying to be sure its care is already the best it can be. A special section on Post Acute Care will introduce the provider to the common issues surrounding particular disposition destinations for the elderly patient. This will facilitate discussions with families, case managers and facilities to help improve time to disposition.

Two of the most popular nutraceutical products on the market, omega-3 oil and glucosamine, were originally derived from waste products. Discarded oil from the manufacture of fishmeal became wildly popular as omega-3, a polyunsaturated fat, and the fully hydrolyzed chitosan from shrimp and crab shell, glucosamine, found wide use in joint health. Hundreds of tons of marine by-products are available annually and previous commercial success, together with an overall consumer interest in novel healthy food ingredients, are driving both research and commercialization in the area of marine nutraceuticals. Edited by pioneers in the field, *Marine Nutraceuticals and Functional Foods* details information on a variety of commercially available and newly developing value-added products. Beginning with an overview of current marine nutraceuticals, the book discusses the origin of omega-3 oils, their beneficial effects on brain health, and their stabilization and delivery into functional foods. It covers the derivation and use of chitin, chitosan, and partially hydrolyzed chitosan as fat- and cholesterol absorbing agents and provides a detailed review of the health benefits and methods for the production of glucosamine. Providing an overview of the ACE-inhibitory and blood pressure reducing properties of marine proteins, it considers the functional constituents of marine algae and seaweed, including its carotenoids, and examines the cancer preventing potential of shark cartilage. The book also analyzes the use of marine microorganisms as a renewable resource and marine sources of calcium. The final chapter describes the discovery and development of a novel immunoenhancing polysaccharide complex derived from the microalgae, *Chlorella*. An unparalleled single-source reference to the discovery, development, and use of value-added products from marine sources, *Marine Nutraceuticals and Functional Foods* provides the foundation for continuing the dramatic growth in this exciting field.

This Brief stands as a primer for heat transfer fundamentals in heat transfer enhancement devices, the definition of heat

transfer area, passive and active enhancement techniques and their potential and benefits and commercial applications. It further examines techniques and modes of heat transfer like single-phase flow and two-phase flow, natural and forced convection, radiation heat transfer and convective mass transfer.

How has South Korea's development influenced and been influenced by world events? What light can it shed on the way that international struggles for hegemony affect local environments? Phoebe Moore seeks to address these questions critically, from the perspective of International Political Economics, and so provides important insight into one of the fastest growing Asian economies. Through an original account of Korean development she challenges the neo-Gramscian school theories, observing that all economic development in this country has been carried out through 'passive revolution' driven by an elite, frequently supported by external forces, against the will of a large part of the population. Moore draws out the relationships between socio-economic change, revolution, hegemony struggles and global politics, making this a key resource for Asian political economics, labour relations and international politics.

A spooky, ghost-filled and hilarious adventure awaits when you dive into the mysterious world of Mason Mooney! Join Paranormal Investigator Mason Mooney as he tackles ghosts, witches and grumpy teenagers to prove once and for all who the REAL talent in the world of paranormal creatures. If anyone can figure out what's going on in Grimbrook's most haunted house - it's him. And no one else. But with an evil curse looming over him and the house's inhabitants, can Mason finally prove to the Society of Peculiar Paranormal Phenomena that he's the best around - or is he a bit out of his depth? Packed with evil curses, haunted houses, quirky characters and a town full of unexplained phenomena, Seaerra Miller's new series of illustrated comic-like books are sure to be a hit with kids who love twisted tales and action-packed, mysterious stories.

This book explores the concept of 'cognitive injustice': the failure to recognise the different ways of knowing by which people across the globe run their lives and provide meaning to their existence. Boaventura de Sousa Santos shows why global social justice is not possible without global cognitive justice. Santos argues that Western domination has profoundly marginalised knowledge and wisdom that had been in existence in the global South. She contends that today it is imperative to recover and valorize the epistemological diversity of the world. Epistemologies of the South outlines a new kind of bottom-up cosmopolitanism, in which conviviality, solidarity and life triumph against the logic of market-ridden greed and individualism.

This book comprises select proceedings of the International Conference on Smart Technologies for Energy, Environment, and Sustainable Development (ICSTEESD 2018). The chapters are broadly divided into three focus areas, viz. energy, environment, and sustainable development, and discusses the relevance and applications of smart technologies in these fields. A wide variety of topics such as renewable energy, energy conservation and management, energy policy and planning, environmental management, marine environment, green building, smart cities, smart transportation are covered in this book. Researchers and professionals from varied engineering backgrounds contribute chapters with an aim to provide economically viable solutions to sustainable development challenges. The book will prove useful for academics, professionals, and policy makers interested in sustainable development.

This six volume work is the first complete translation of the poetry of Du Fu, the greatest poet in the Chinese tradition. The entirety of Du Fu s

works provides a more nuanced portrait of the author than the standard selections. It gives testimony to the great rebellion of 755, but also poems on building a chicken coop and repairing bamboo plumbing. In the whole we discover how the sublime and quotidian are united in a larger vision of life. "

PLEASE NOTE: Text has been accidentally deleted from page 54 of this book. Please refer to the corrigenda (PDF file) posted on the Stylus Publishing web site or email stylusinfo@styluspub.com for an updated, printable page. ****When not purchasing directly from the official sales agents of the WHO, especially at online bookshops, please note that there have been issues with counterfeited copies. Buy only from known sellers and if there are quality issues, please contact the seller for a refund.***** Soft Tissue and Bone Tumours is the third volume in the 5th edition of the WHO series on the classification of human tumours. This series (also known as the WHO Blue Books) is regarded as the gold standard for the diagnosis of tumours and comprises a unique synthesis of histopathological diagnosis with digital and molecular pathology. These authoritative and concise reference books provide indispensable international standards for anyone involved in the care of patients with cancer or in cancer research, underpinning individual patient treatment as well as research into all aspects of cancer causation, prevention, therapy, and education. This volume will be of particular interest to pathologists, oncologists, surgeons, and epidemiologists who manage or research soft tissue and bone tumours. Sections are included on all recognized neoplasms of the soft tissue and bone, as well as on genetic tumour syndromes affecting these sites. Since the previous edition, there have been changes based on recent molecular and genetic information, with impact on clinical practice.

Data driven Artificial Intelligence (AI) and Machine Learning (ML) in digital pathology, radiology, and dermatology is very promising. In specific cases, for example, Deep Learning (DL), even exceeding human performance. However, in the context of medicine it is important for a human expert to verify the outcome. Consequently, there is a need for transparency and re-traceability of state-of-the-art solutions to make them usable for ethical responsible medical decision support. Moreover, big data is required for training, covering a wide spectrum of a variety of human diseases in different organ systems. These data sets must meet top-quality and regulatory criteria and must be well annotated for ML at patient-, sample-, and image-level. Here biobanks play a central and future role in providing large collections of high-quality, well-annotated samples and data. The main challenges are finding biobanks containing "fit-for-purpose" samples, providing quality related meta-data, gaining access to standardized medical data and annotations, and mass scanning of whole slides including efficient data management solutions.

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