

telemedicine in the icu an issue of critical care clinics 1e the clinics internal medicine

[#telemedicine ICU](#) [#critical care clinics](#) [#internal medicine telehealth](#) [#virtual intensive care](#) [#remote critical care](#)

Explore the critical intersection of telemedicine and intensive care with this insightful issue from Critical Care Clinics. This publication, part of The Clinics Internal Medicine series, thoroughly examines the complex challenges and innovative solutions for implementing virtual critical care in the ICU setting, providing essential perspectives for healthcare providers navigating remote patient management.

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Telemedicine in the ICU, An Issue of Critical Care Clinics,

Drs. Richard Carlson and Corey Scurlock have put together a cutting edge list of topics regarding the use of Telemedicine in the Intensive Care Unit. Topics include: Tele-Neurocritical Care, Outcomes related to Telemedicine in the ICU, Telemedicine in the ICU: Its role in Emergencies and Disaster Management, Increasing Quality through Telemedicine in the ICU, The Role of Telemedicine in Pediatric Critical Care, Telemedicine and the Septic Patient, Taking Care of the Cardiac Critical Care Patient with Telemedicine, Barriers to ICU telemedicine, and Design and Function of Tele-ICU.

Intensive Care Unit Telemedicine, An Issue of Critical Care Clinics

This issue of Critical Care Clinics, edited by Dr. Kianoush Kashani in collaboration with Consulting Editor Dr. John Kellum, is focused on Intensive Care Unit Telemedicine. Topics in this issue include: ICU telemedicine program administration: from start to full implementation; ICU telemedicine multidisciplinary care teams; ICU telemedicine technology; Impact of ICU telemedicine on outcomes; Quality assurance of ICU telemedicine; ICU telemedicine cost-effectiveness and financial analyses; ICU telemedicine care models; ICU telemedicine in the era of big data, artificial intelligence, and computer clinical decision support systems; ICU Telemedicine: Innovations and Limitations; ICU telemedicine: provider-patient satisfaction; and ICU telemedicine services beyond medical management: Tele-pharmacy, tele-procedure, tele-dialysis, tele-stroke: evidence, benefits, risks, and legal ramifications.

Advances and Challenges in Critical Care, An Issue of Clinics in Chest Medicine

Drs. Honiden and Siner have put together a comprehensive issue on Critical Care as it relates to Chest Medicine. Articles include: Recent advances in management of Acute respiratory distress syndrome, Simulation training for critical care, Telemedicine (E-ICU issues), Adverse event reporting/quality improvement in the ICU, ICU Mobility, Hospital-acquired infections/resistant organisms/emerging pathogens, Circadian rhythm disturbance and sleep in the ICU environment, Advances in Sepsis Research, Controversies in ICU nutrition, and more!

Surgical Critical Care, An Issue of Surgical Clinics, An Issue of Surgical Clinics, E-Book

In this issue of Surgical Clinics, Guest Editor Brett H. Waibel brings his considerable expertise to the topic of surgical clinical care. Top experts in the field cover key topics such as Topical coagulant agents, Antibiotic therapy in the ICU, Telemedicine and the intensive care unit, and more. Provides in-depth, clinical reviews on surgical critical care, providing actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field; Authors synthesize and distill the latest research and practice guidelines to create these timely topic-based reviews. Contains 14 relevant, practice-oriented topics, such as ARDS/management of pulmonary illness in era of COVID; Ultrasound and other advance hemodynamic monitoring modalities in the intensive care unit; Systemic anticoagulation and reversal, including Direct Oral Anticoagulants; Management of decompensated cirrhosis and associated syndromes; and more.

Diagnostic Excellence in the ICU: Thinking Critically and Masterfully, An Issue of Critical Care Clinics, E-Book

In this issue of Critical Care Clinics, guest editor Paul Bergl brings his considerable expertise to the topic of Diagnostic Excellence in the ICU. Provides in-depth, clinical reviews on the latest updates in Diagnostic Excellence in the ICU, providing actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field; Authors synthesize and distill the latest research and practice guidelines to create these timely topic-based reviews.

Critical Care , An Issue of Clinics in Chest Medicine, E-Book

In this issue, guest editors bring their considerable expertise to this important topic. Provides in-depth reviews on the latest updates in the field, providing actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create these timely topic-based reviews.

Enhancing the Quality of Care in the ICU, An Issue of Critical Care Clinics,

This issue of Critical Care Clinics edited by Dr. Robert Hyzy on Enhancing the Quality of Care in the ICU features topics such as: Taking Central Line-Associated Bloodstream Infection Rates to Zero, Preventing ICU Delirium, Avoiding Clostridium difficile associated diarrhea, Reducing ventilator associated complications and pneumonia, Can Venous Thromboembolism be avoided?, Preventing urinary catheter associated infections, Improving ICU quality through collaboratives, Do performance measures enhance patient quality in the ICU, and The Future of Quality in the ICU.

Global Health and Critical Care Medicine, An Issue of Critical Care Clinics, E-Book

In this issue, guest editors bring their considerable expertise to this important topic. Provides in-depth reviews on the latest updates in the field, providing actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create these timely topic-based reviews.

Critical Care of the Cancer Patient, An Issue of Critical Care Clinics E-Book

This issue of Critical Care Clinics, Guest Edited by Dr. Stephen M. Pastores and Dr. Wendy R. Greene, focuses on Critical Care of the Cancer Patient (Pastores) and Geriatric Critical Care (Greene). Dr. Pastores' section of the issue is devoted to Critical Care of the Cancer Patient and includes the following topics: Triage and Prognostication of Cancer Patients Admitted to the ICU; ICU Organization and Interdisciplinary Care for Critically Ill Patients with Cancer; Critical Care of the Hematopoietic Stem Cell Transplant Recipient; Management of Drug Toxicities; Acute Kidney Injury in the Critically Ill Patient with Cancer; Infectious Disease Complications in Cancer Patients; and Palliative, Ethics, and End-of-Life Care Issues in the Cancer Patient. Dr. Green's section of the issue, devoted to Geriatric Critical Care, includes the following topics: The effect of aging physiology on critical care; The frailty syndrome: a critical issue in geriatric oncology; Detection of delirium in the intensive care unit: comparison of confusion assessment method for the intensive care unit with confusion assessment method ratings; Evidence-based geriatric nursing protocols for best practice; The effect of dementia in the critically ill geriatric patient; Nutritional assessment: a primary component of multidimensional

geriatric assessment in the ICU; Rehabilitation concerns in the geriatric critically ill and injured; and Geriatric palliative care.

Quality Outcomes and Costs, An Issue of Critical Care Nursing Clinics of North America, E-Book

In consultation with Consulting Editor, Dr. Jan Foster, Drs. Garbee and Danna have put together a state-of-the-art issue of the Critical Care Nursing Clinics devoted to Quality Outcomes and Costs. Clinical review articles are specifically devoted to the following: Information Technology, Electronic Medical Records, and Practice Alerts; Telehealth Use to Promote Quality Outcomes and Reduce Costs; Impact of a Mobility Team on ICU Patient Outcomes; MACRA and MIPS Impact on Quality and Cost Outcomes; Leadership's Impact on Quality, Outcomes, and Costs; Big Data Sets Use for Quality, Outcomes, and Cost; Pediatric Quality Metrics Related to Quality Outcomes and Cost; Geriatric Outcomes Related to Quality and Cost; Mental Health/Behavioral Health Metrics; Obstetric Quality Outcomes and Cost; Emergency Department Throughput; and Veteran Outcomes. Readers will come away with the latest information they need to improve quality and improve outcomes in critically ill patients.

Intensive Care Unit in Disaster, An Issue of Critical Care Clinics

This issue of Critical Care Clinics, guest edited by Drs. Marie Baldisseri, Mary Reed, and Randy Wax, in collaboration with Consulting Editor John Kellum, is devoted to Intensive Care Unit in Disaster. Topics in this issue include: Intensive care role in disaster management; Preparing the ICU for disaster; Augmenting capacity; Triage; Natural disasters; Biological/pandemic disasters; Chemical disasters; Radiation; Anthropogenic (terrorist/criminal act) disasters; Special populations (i.e., chronically ill, morbidly obese, pregnant); Pediatrics; Austere environments; Hospital as disaster Ground Zero; and Special considerations (i.e., mental health, ethics, public relations).

Post-intensive Care Syndrome & Chronic Critical Illness, An Issue of Critical Care Clinics E-Book

This issue of Critical Care Clinics focuses on Post-intensive Care Syndrome & Chronic Critical Illness, with topics including: Chronic Critical Illness; Chronic Critical Illness and Predicting Outcomes; Persistent Critical Illness; Rehospitalization and Preventing CCI; Measuring Post-Intensive Care Syndrome; Post-Intensive Care Syndrome and the Role of the ICU Clinician; Frailty and the Association between Long-Term Recovery After ICU; The Role of the Muscles in Post-Intensive Care Syndrome; Intensive Care Nutrition and Post-Intensive Care Recovery; Early mobilization in the ICU to Improve Long Term Recovery; The Use of Sedation in the ICU and Long-Term Outcomes; Cognitive Function after Critical Illness; Anxiety and Depression after ICU; and Family and Support Networks after ICU.

Surgical Critical Care, an Issue of Surgical Clinics, 102

In this issue of Surgical Clinics, Guest Editor Brett H. Waibel brings his considerable expertise to the topic of surgical clinical care. Top experts in the field cover key topics such as Topical coagulant agents, Antibiotic therapy in the ICU, Telemedicine and the intensive care unit, and more. Provides in-depth, clinical reviews on surgical critical care, providing actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field; Authors synthesize and distill the latest research and practice guidelines to create these timely topic-based reviews. Contains 14 relevant, practice-oriented topics, such as ARDS/management of pulmonary illness in era of COVID; Ultrasound and other advance hemodynamic monitoring modalities in the intensive care unit; Systemic anticoagulation and reversal, including Direct Oral Anticoagulants; Management of decompensated cirrhosis and associated syndromes; and more.

Undiagnosed and Rare Diseases in Critical Care, An Issue of Critical Care Clinics, E-Book

In this issue of Critical Care Clinics, guest editors Drs. Robert M. Kliegman and Brett J. Bordini bring their considerable expertise to the topic of Undiagnosed and Rare Diseases in Critical Care. Top experts in the field cover key topics such as critical genetic arrhythmia disorders, uncommon causes of rhabdomyolysis, status epilepsy syndromes, autoimmune encephalitis, rapid-onset paralysis and weakness, and more. Contains 17 relevant, practice-oriented topics including understanding cognitive diagnostic errors in the ICU; rapid WES/WGS in the ICU; diagnostic time-outs to improve diagnosis; when "sepsis" is not sepsis: MAS, HLH, malignancies and other sepsis mimics; all that wheezes is not asthma or bronchiolitis; and more. Provides in-depth clinical reviews on undiagnosed and rare diseases

in critical care, offering actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews.

History of Critical Care Medicine (2023 = 70th anniversary), An Issue of Critical Care Clinics, E-Book

In this issue of Critical Care Clinics, guest editor Dr. Hannah Wunsch brings her considerable expertise to the topic of History of Critical Care Medicine. The term “Critical Care Medicine was first introduced in the 1950s at the University of Southern California—making 2023 the 70th anniversary of this subspecialty. This issue provides a fascinating look at important aspects of the history of the field, which originated with the concept that immediately life-endangered patients, the critically ill and injured, may have substantially better chances of survival if provided with professionally advanced minute-to-minute objective measurements. Contains 10 practice-oriented topics including early pediatric ICU care; mechanical ventilation: negative to positive and back again; airway management over the last 100 years; critical care nursing from the 1950s to the 2020s; from strict bedrest to early mobilization: a history of physiotherapy in the ICU; visiting hours and the changing place of family in the ICU; and more.

Economics of Critical Care Medicine, An Issue of Critical Care Clinics

Topics include: Why Economics Matters to Critical Care Clinicians, Overview of Health Economics: Basics Concept for Clinicians; Health Economic Methods; Costs of Critical Care Medicine; Economic Aspects of Sepsis and Severe Infections; Economic Aspects of Renal Failure and Acute Kidney Injury; Economic Aspects of Cardiovascular Disease; Economics of Mechanical Ventilation and Respiratory Failure and Comparative Effective Research and Health Care Reform.

Biomarkers in Critical Care, An Issue of Critical Care Clinics E-Book

This issue of Critical Care Clinics, guest edited by Dr. Mitchell M. Levy, focuses on Biomarkers in Critical Care. This is one of four issues each year selected by the series consulting editor, Dr. John Kellum. Articles in this issue include, but are not limited to: The History of Biomarkers; Biomarkers for Identifying Infection; Procalcitonin: Where Are We Now?; Soluble TREM-1: Diagnosis or Prognosis?; Lubricin as a Biomarker in Sepsis; Check Point Inhibitors and Their Role in Immunosuppression in Sepsis; Metabolomics and the Microbiome as Biomarkers in Sepsis; Lactate: Where Are We Now?; Predicting Renal Dysfunction; Biomarkers in the Evolution of ARDS; Biomarkers and RV Dysfunction; Biomarkers and Precision Medicine: State of the Art; The Use of Biomarkers for Population Homogeneity in Clinical Trials; and The Future of Biomarkers.

COVID-19, An Issue of Critical Care Clinics, E-Book

In this issue of Critical Care Clinics, guest editors Drs. Michelle Ng Gong and Gregory S. Martin bring their considerable expertise to the topic of COVID-19. Top experts in the field cover key topics such as ECMO in COVID-19, neurologic manifestations and sequelae in COVID-19, pediatric COVID-19, anti-viral and anti-inflammatory therapeutics in COVID-19, the critical care surge during COVID-19 and lessons for the future, and more. Contains 11 relevant, practice-oriented topics including post-acute sequelae of SARS CoV-2 infection; COVID-19 and renal failure; the role of acute thrombosis in COVID-19; COVID ARDS: different phenotype of ARDS or same diversity of phenotype in ARDS; COVID-19 in the critically ill pregnant patient; and more. Provides in-depth clinical reviews on COVID-19, offering actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews.

Acute Respiratory Distress Syndrome, An Issue of Critical Care Clinics, E-Book

This issue of Critical Care Clinics, guest edited by Drs. Michael Matthay and Kathleen Dori Lui, focuses on Acute Respiratory Distress Syndrome. This is one of four issues each year selected by the series consulting editor, Dr. John Kellum. Articles in this issue include, but are not limited to: Epidemiology, Environmental Factors, Clinical Diagnosis, Physiology of ARDS, including COVID-19, Pathogenesis Based on Clinical Studies, Genetics of ARDS, Ventilator Management and Rescue Therapy with ECMO, Acute Kidney Injury and ARDS, Pharmacologic Therapies and ARDS and Long Term Outcomes from ARDS. Provides in-depth, clinical reviews on ARDS, providing actionable insights

for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field; Authors synthesize and distill the latest research and practice guidelines to create these timely topic-based reviews.

Critical Care Medicine, An Issue of Physician Assistant Clinics

This issue of Physician Assistant Clinics, guest edited by Kim Zuber, PA-C and Jane S. Davis, CRNP, DNP, is devoted to Critical Care Medicine. This comprehensive issue includes the following articles: The PA in Critical Care Medicine; Pharmacology in Critical Care: When, What, and How Much; Bacteria and Viruses: The Bogeymen in the ICU; The Heart of the Matter: CHF, Cardiac Arrest, Cardiac Shock, ST Elevation MI's, Cardiac Arrhythmias, Hemodynamics, and Hypertensive Crisis; The Heart of the Matter: Cardiac Surgery, Cardiovascular Surgery Complications, Mechanical Devices, and ECMO; Breathe In, Breathe Out: Respiratory Considerations in the ICU; When the Kidney goes Rogue: Acute Kidney Injury in the ICU; Bridge Over Troubled Water: Fluid in the ICU; The Gland Plan: Endocrine Emergencies in Critical Care; Slip, Slipping Away: The Brain in the ICU; Gastroenterology, Hepatology, and Nutrition in the ICU; Special Intensive Care: The SICU; The Sick Child: the PICU; Crash: Trauma Management; and Saying Goodbye: Discussing End of Life Issues with the Critically Ill Patient and Family. CME credits are also available to subscribers of this series.

Resuscitation, An Issue of Critical Care Nursing Clinics of North America

In this issue of Critical Care Nursing Clinics, Guest Editor Justin Dilibero brings his considerable expertise to the topic of resuscitation. Top experts in the field cover key topics such as trauma, sepsis, burns, pediatrics, cardiac arrest, and more. Provides in-depth, clinical reviews on resuscitation for critical care nurses, providing actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field; Authors synthesize and distill the latest research and practice guidelines to create these timely topic-based reviews. Contains 12 relevant, practice-oriented topics including improving resuscitation outcomes in severe traumatic brain injury; targeted temperature management after cardiac arrest; family presence and support during resuscitation; the role of the tele-ICU; and more.

Cardiovascular Intensive Care, An Issue of Critical Care Clinics, E-Book

In this issue of Critical Care Clinics, guest editors Drs. Steven Hollenberg and José L. Diaz-Gomez bring their considerable expertise to the topic of Cardiovascular Intensive Care. Top experts cover key topics such as hemodynamic monitoring in the cardiac ICU; the role of ultrasound in the cardiac ICU; cardiogenic shock; management of patients after cardiac arrest; temporary mechanical circulatory support; and more. Contains 16 relevant, practice-oriented topics including the changing epidemiology of the cardiac intensive care unit; diagnosis and management of LVAD emergencies; design and execution of clinical trials in the CICU; end-of life issues in patients with mechanical circulatory support; and more. Provides in-depth clinical reviews on cardiovascular intensive care, offering actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews.

Technology in the ICU, An Issue of Critical Care Nursing Clinics of North America, E-Book

Dr. Wung is addressing an important component of critical care nursing: the role of technology in patient care. She has assembled top authors to provide current clinical information in the following areas: Sensory overload and technology in critical care; Alarm fatigue; Nurse-technology Interactions; Safety steps to prevent Infusion errors; Product design and medical devices for nurses ; Technologies to assess physiologic parameters (hemodynamics/cardio output); Technologies to support hemodynamics (e.g., balloon pump, ECMO, etc); Interactive computer programs for application of critical thinking skills; Information technology Electronic health records (EHR); Real-time detection of clinical care deviations in ICU; Medication safety technology; and eICU/iCARE. Readers will come away with the updates they need to improve patient outcomes.

Critical Illness Outside the ICU, An Issue of Critical Care Clinics

In this issue of Critical Care Clinics, guest editors Drs. David N. Hager, Kyle Gunnerson, and Stephen Macdonald bring their considerable expertise to the topic of Critical Illness Outside the ICU. Top experts

cover key topics such as flight transport of the critically ill; models of critical care in the emergency department; in-hospital triage; rapid response teams; early warning systems; ICU without walls; and more. Contains 14 relevant, practice-oriented topics the role of intermediate care; PACU care; critical care in rural settings; critical care in austere settings; tele-ICU support; alternate care pathways for the patient with multimorbidity; and more. Provides in-depth clinical reviews on critical illness outside the ICU, offering actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews.

Critical Care of the Pediatric Patient, An Issue of Pediatric Clinics

Dr. Wheeler is providing a much needed update on the topic of critical care medicine for the pediatrician. He organized the issue to give a full overview on those topics that most pertinent to practicing clinicians. His authors are top experts in their fields, and they are writing clinical reviews devoted to The Evolving Model of Pediatric Critical Care, The High Reliability Pediatric Intensive Care Unit, Telemedicine and the Pediatric Intensive Care Unit, Resuscitation and Stabilization of the Critically Ill Child, Monitoring and Management of Acute Respiratory Failure, Monitoring and Management of Shock, Cardiac Intensive Care, Monitoring and Management of Acute Kidney Injury, Critical Care of the Bone Marrow Transplant Patient, Neurocritical Care, Ethics and End-of-Life Care, Delirium in the Pediatric Intensive Care Unit, and Family-centered Care in the Pediatric Intensive Care Unit.

Pediatric Critical Care, An Issue of Critical Care Clinics, E-Book

In this issue of Critical Care Clinics, guest editors Drs. Lauren R. Sorce and Joy D. Howell bring their considerable expertise to the topic of Pediatric Critical Care. Top experts in the field cover key topics such as point-of-care ultrasound for pediatric critical care providers; transfusion strategies in the 21st century; global pediatric critical care; workforce diversity; and more. Contains 13 relevant, practice-oriented topics including pediatric redeployment: unique challenges created by COVID-19; ECMO then and now; PCCM in 21st century and beyond; pediatric critical care outcomes; cardiac output monitoring; and more. Provides in-depth clinical reviews on pediatric critical care, offering actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews.

Infection Challenges in the Critical Care Unit, An Issue of Critical Care Nursing Clinics of North America

In this issue of Critical Care Nursing Clinics, Guest Editor May M. Riley brings her considerable expertise to the topic of Infection Challenges in the Critical Care Unit. Top experts in the field cover key topics such as Implementing an Antimicrobial Stewardship Program, Pulmonary Infections, Including Ventilator-Associated Pneumonia (VAP), Preventing Central Line-Associated Bloodstream Infection (CLABSI), and more. Provides in-depth, clinical reviews on Infection Challenges in the Critical Care Unit, providing actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field; Authors synthesize and distill the latest research and practice guidelines to create these timely topic-based reviews. Contains 8 relevant, practice-oriented topics including Epidemiology of Invasive Fungal Disease; Management of Sepsis; Multidrug-Resistant Candida Species and Candidiasis Infections; Infections in Geriatric Patients; Transmission and Multidrug-Resistant Organisms; and more.

Pediatric Critical Care, An Issue of Critical Care Clinics,

This issue of Critical Care Clinics edited by Dr. Margaret Parker on Pediatric Critical Care features topics such as: 1. Acute Respiratory Failure, Post-op Cardiac Surgery, Septic Shock, Acute Renal Failure, Traumatic Brain Injury, Encephalitis, Status Asthmaticus, Status Epilepticus, Bleeding/coagulopathy, and Transfusion.

Rapid Response Systems/Fluid Resuscitation, An Issue of Critical Care Clinics, E-Book

This issue of Critical Care Clinics focuses on Rapid Response Systems and Fluid Resuscitation, with topics including: RRS Now; Triggering Criteria: Big Data; Triggering Criteria: Continuous Monitoring;

Measuring instability; Surgery/Trauma RRT; Obstetric RRT; Difficult airway rapid response teams; and Sepsis rapid response teams.

Diagnostic Excellence in the Icu: Thinking Critically and Masterfully, an Issue of Critical Care Clinics, 38

In this issue of Critical Care Clinics, guest editor Paul Bergl brings his considerable expertise to the topic of Diagnostic Excellence in the ICU. Provides in-depth, clinical reviews on the latest updates in Diagnostic Excellence in the ICU, providing actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field; Authors synthesize and distill the latest research and practice guidelines to create these timely topic-based reviews.

The Lungs in a Mechanical Ventilator Environment, An Issue of Critical Care Nursing Clinics

This issue of Critical Care Nursing Clinics will include articles on the following topics: Non-invasive ventilation; Modes of mechanical ventilation; Mechanical ventilation effect on heart/lung interactions; Effect of ventilation on the lungs; VAP; Liberation/weaning & Sedation/pain control; Self/unplanned extubation; Communication; recovery and rehab post ICU; Airway protection with aging; home ventilation; monitoring of the mechanical vent patient; and Dyspnea.

Oxford Textbook of Critical Care

Now in paperback, the second edition of the Oxford Textbook of Critical Care is a comprehensive multi-disciplinary text covering all aspects of adult intensive care management. Uniquely this text takes a problem-orientated approach providing a key resource for daily clinical issues in the intensive care unit. The text is organized into short topics allowing readers to rapidly access authoritative information on specific clinical problems. Each topic refers to basic physiological principles and provides up-to-date treatment advice supported by references to the most vital literature. Where international differences exist in clinical practice, authors cover alternative views. Key messages summarise each topic in order to aid quick review and decision making. Edited and written by an international group of recognized experts from many disciplines, the second edition of the Oxford Textbook of Critical Care provides an up-to-date reference that is relevant for intensive care units and emergency departments globally. This volume is the definitive text for all health care providers, including physicians, nurses, respiratory therapists, and other allied health professionals who take care of critically ill patients.

Enhanced Recovery in the ICU After Cardiac Surgery An Issue of Critical Care Clinics

This issue of Critical Care Clinics focuses on two crucial topics: Enhanced Recovery in the ICU After Cardiac Surgery (guest edited by Dr. Daniel Engelman) and New Developments in Cardiopulmonary Resuscitation (guest edited by Dr. Clifton Callaway).

Anesthesiologists in time of disaster, An Issue of Anesthesiology Clinics, E-Book

This issue of Anesthesiology Clinics, guest edited by Drs. Lee Fleisher and Jesse Raiten, focuses on This issue of Anesthesiology Clinics, guest edited by Drs. Alison Perate and Vanessa Olbrecht, focuses on Anesthesiologists in time of disaster. This is one of four issues each year selected by the series consulting editor, Dr. Lee Fleisher. Articles in this issue include, but are not limited to: Development of an Anesthesiology Disaster Response Plan; The Initial Response to a Pandemic- Anesthesiology Experiences from China at the Onset of Covid19; Development of a Critical Care Response- Experiences from Italy during the Covid19 Pandemic; Anesthesiology and Critical Care Response to Covid19 in resource limited settings: Experiences from Nepal; Anesthesiology in Times of Physical Disasters- Earthquakes, Typhoons, Tsunamis; Mass Casualty and the Role of the Anesthesiologist; Anesthesiology in the Active War Zone/ Special Operations; Regional Anesthesia in the Field for Trauma Victims; Clinical Research Redirection and Optimization during a Pandemic.

Advances in Maternal Fetal Medicine, An Issue of Clinics in Perinatology, E-Book

Together with Consulting Editor Dr. William Rayburn, Guest Editors Dr. Cynthia Gyamfi-Bannerman and Dr. Russel Miller have curated a state-of-the-art monograph devoted to Advances in Maternal Fetal Medicine. They have secured expert authors to submit clinical reviews for perinatologists. Specific articles are devoted to the following topics: Advances in delivery management for the preterm

fetus (magnesium sulfate, late-preterm antenatal corticosteroids); Approaches to stillbirth prevention; Current preterm birth prevention strategies; Neurological outcomes after fetal therapy for complicated monochorionic twins; Innovations in fetal myelomeningocele (fMMC) repair; An update on biologic agents in pregnancy; Telemedicine in obstetrics; The impact of racial and socioeconomic disparities on obstetrical outcomes; Opioids use and misuse in pregnancy; Advances in statewide and national obstetrical QI collaborations; Optimizing term delivery timing and mode of delivery; Preeclampsia; E-Z infections can be quite challenging: Contemporary understanding of Ebola and Zika virus in pregnancy; and Next-generation genetic testing in obstetrics. Readers will come away with the evidence-based recommendations they need to improve patient outcomes. maternal fetal medicine; fetus; pregnancy;

Older Adults in Critical Care, An Issue of Critical Care Nursing Clinics of North America, E-Book

In this issue of Critical Care Nursing Clinics, guest editor Deborah Garbee brings her considerable expertise to the topic of Older Adults in Critical Care. Top experts in the field provide readers with the latest on Delirium in Older Adults, Sepsis Across the Continuum, Progressive Supranuclear Palsy, and more. Contains 14 relevant, practice-oriented topics, including Improving Outcomes in Cardiovascular Geriatric Patients Related to Polypharmacy; Biofilm and Hospital-Acquired Infections in Older Adults; Implementation of Acute Care for Elders (ACE) and Nurses Improving Care for Healthsystem Elders (NICHE) in Critical Care; and more. Provides in-depth clinical reviews on older adults in critical care, offering actionable insights for critical care nurses. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews.

Neurocritical Care, An Issue of Critical Care Clinics, E-Book

In this issue of Critical Care Clinics, guest editors Drs. Lori Shutter and Deepa Malaiyandi bring their considerable expertise to the topic of Neurocritical Care, a rapidly growing specialty of complex care. Top experts in the field provide up-to-date articles on important clinical trials and evidence-based care of the critically ill patient with neurological injury. Contains 16 practice-oriented topics including current management of acute ischemic stroke; status epilepticus: a neurological emergency; neurotrauma and ICP management; neuropharmacology in the ICU; artificial intelligence and big data science in neurocritical care; and more. Provides in-depth clinical reviews on neurocritical care, offering actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews.

Perioperative Monitoring, An Issue of Anesthesiology Clinics, E-Book

This issue of Anesthesiology Clinics, guest edited by Drs. Gabriella Iohom and Girish P. Joshi, focuses on Perioperative Monitoring. This is one of four issues each year selected by the series consulting editor, Dr. Lee Fleisher. Articles in this issue include, but are not limited to: Clinician monitoring, Ventilation monitoring, Measurement of pulmonary mechanics, Hemodynamic monitoring, Tissue perfusion monitoring, Neuromuscular blockade monitoring, Depth of anesthesia monitoring, Antinocipeption monitoring, Cerebral perfusion monitoring - Brain oxygen saturation monitoring, Coagulation, Ultrasound - the new stethoscope (POCUS), Mobile and Remote monitoring, smart phone use, AI, machine learning, deep learning, and closed loop devices and Telemedicine for anesthesiologists.

Pulmonary Embolism in the ICU , An Issue of Critical Care Clinics

This issue of Critical Care Clinics, guest edited by Drs. Geno Merli, Bharat Awsare, and Michael Baram, focuses on Pulmonary Embolism in the ICU. This is one of four issues each year selected by the series consulting editor, Dr. John Kellum. Articles in this issue include, but are not limited to: Making the Diagnosis of Pulmonary Embolism: Stable Versus Unstable; Risk Stratification; Overview of Management of Sub-massive and Massive Pulmonary Embolism; Standard Therapy: Systemic Thrombolytics; IR Therapy: IVC Filter and Catheter-based Therapies; Surgical Therapy: Embolectomy; Supportive Therapy: Management of Acute RV Failure; Supportive Therapy: ECMO/RVAD; Special Considerations; Therapy in Sub-populations; and Post-ICU Follow-up.

Biomarkers in the Critically Ill Patient, An Issue of Critical Care Clinics

Guest edited by Dr. Michell Levy, articles for this edition of Critical Care Clinics include: Specificity and sensitivity; How to use biomarkers; Physiologic Parameters as biomarkers: What can we learn from physiologic variables and variation?; Multi-marker Panels; Coagulation biomarkers; Biomarkers in neurosurgery; Biomarkers in Trauma; and Cardiac Biomarkers