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Disciplina	616.8/0428
Soggetti	Neurological intensive care Central nervous system - Diseases - Diagnosis
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Cover; Title; Copyright; Contents; Contributors; Foreword; Preface; Share Neurocritical Care Monitoring; Chapter 1: Intracranial Pressure Monitoring; Introduction; Intracranial Pressure; Physiology of Intracranial Pressure Monitoring; Initiation of an Intracranial Pressure Monitoring Device; ICP Thresholds; Cerebral Perfusion Threshold; Intracranial Pressure Waveforms (Lundeberg Pathological Waves); Duration of Monitoring; Types of Intracranial Pressure Monitoring Devices; External Ventricular Drain EVD; Anatomy and Placement; Intraparenchymal Intracranial Pressure Monitor Subarachnoid Intracranial Pressure Monitor Epidural Intracranial Pressure Monitors; Lumbar Catheter Intracranial Pressure Monitoring; Additional Concerns With Intracranial Pressure Monitoring Devices; Critical Care Management of Elevated Intracranial Pressure; General Measures; Specific Measures; References; Chapter 2: Transcranial Doppler Monitoring; Introduction; Subarachnoid Hemorrhage: Detection of Vasospasm; Technical Aspects of Transcranial Doppler; Middle Cerebral Artery Vasospasm; Anterior Cerebral Artery Vasospasm; Internal Carotid Artery Vasospasm Vertebral and Basilar Arteries Vasospasm Complete TCD Examination with Lindegaard Ratio Determination; Distal Vasospasm Detection by

TCD; Transcranial Doppler in Traumatic Brain Injury; Intracranial Pressure and Cerebral Perfusion Pressure; Brain Death; Acute Ischemic Stroke and Monitoring of Recanalization; Monitoring for Emboli; Carotid Endarterectomy and Carotid Artery Stenting; Summary; References;

Chapter 3: Continuous EEG Monitoring; Introduction; EEG Techniques and Uses in the Intensive Care Unit; Quantitative EEG; Automated Seizure Detection

Depth and Surface EEG Recording with Multimodality Monitoring EEG Applications; Subclinical Seizures and Status Epilepticus; Metabolic and Infectious Encephalopathies; Traumatic Brain Injury; Subarachnoid Hemorrhage; Detection of Vasospasm; Intracerebral Hemorrhage; Ischemic Stroke; Post-Cardiac Arrest; Postoperative Patients; References;

Chapter 4: Cerebral Oxygenation; Introduction; Brain Tissue Oxygen Monitoring; Techniques; Placement; Interpretation and Clinical Utility; Effect of Hypoxia on Outcome; ICP-Guided Therapy Versus PbtO<sub>2</sub>-Guided Therapy

Other Potential Clinical Applications for PbtO<sub>2</sub> Monitoring Therapeutic Strategies; Jugular Bulb Oximetry; Near-Infrared Spectroscopy; References;

Chapter 5: Brain Tissue Perfusion Monitoring; Introduction; Types of Monitors Available for Brain Tissue Perfusion Assessment; Literature Supporting Cerebral Perfusion Monitoring; Pathophysiology; Clinical Aspects of Monitoring Brain Tissue Perfusion; Which Patients Would Benefit From Monitoring?; Placement of Thermal Diffusion Monitors; What Are the Conventionally Accepted Monitoring Thresholds That Should Prompt Clinical Intervention?; Summary

References

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