

1. Record Nr.	UNINA9910787805103321
Titolo	Neurocritical care monitoring // editors, Chad M. Miller, Michel T. Torbey
Pubbl/distr/stampa	New York : , : demosMEDICAL, , 2015 ©2015
ISBN	1-61705-188-8 9781620700259
Descrizione fisica	1 online resource (xii, 172 pages) : illustrations (some color)
Disciplina	616.8/0428
Soggetti	Neurological intensive care Central nervous system - Diseases - Diagnosis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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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