

1. Record Nr.	UNINA9910300225003321
Titolo	Clinical Neurophysiology in Disorders of Consciousness : Brain Function Monitoring in the ICU and Beyond // edited by Andrea O. Rossetti, Steven Laureys
Pubbl/distr/stampa	Vienna : , : Springer Vienna : , : Imprint : Springer, , 2015
ISBN	3-7091-1634-1
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (161 p.)
Disciplina	610 612.8 616.8 616.804231 616028
Soggetti	Critical care medicine Neurology Neurosciences Intensive / Critical Care Medicine
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	1. The acute clinical setting -- 2. Electroencephalography (EEG) and evoked potentials (EP): technical background -- 3. Which EEG patterns deserve treatment in the ICU? -- 4. EEG in refractory status epilepticus -- 5. Prognostic use of EEG in acute consciousness impairment -- 6. Prognostic use of somatosensory EP in acute consciousness impairment (including drug effects) -- 7. Prognostic use of cognitive EP in acute consciousness impairment -- 8. The chronic clinical setting -- 9. Correlations of JHD EEG with consciousness recovery -- 10. Correlations of HD EP with consciousness recovery -- 11. Disorders of consciousness and sleep -- EEG-TMS -- 13. Outlook: imaging correlations.
Sommario/riassunto	Over the past two decades, electrophysiology has undergone unprecedented changes thanks to technical improvements, which simplify measurement and analysis and allow more compact data

storage. This book covers in detail the spectrum of electrophysiology applications in patients with disorders of consciousness. Its content spans from clinical aspects of the management of subjects in the intensive care unit, including EEG, evoked potentials and related implications in terms of prognosis and patient management to research applications in subjects with ongoing consciousness impairment. While the first section provides up-to-date information for the interested clinician, the second part highlights the latest developments in this exciting field. The book comprehensively combines clinical and research information related to neurophysiology in disorder-of-consciousness patients, making it an easily accessible reference for neuro-ICU specialists, epileptologists and clinical neurophysiologists as well as researchers utilizing EEG and event-related potentials. .

---