This monograph provides an update on the clinical approach that was laid out in the previous three editions on the diagnosis of stupor and coma. It describes an approach for the physician at the bedside to diagnose and treat alterations of consciousness, based on pathophysiologic principles.

The book begins with a description of the physiology of consciousness and the pathophysiology of disorders of consciousness. It continues with a description of the approach to a patient with a disorder of consciousness, emphasizing the bedside examination, but including the use of modern imaging techniques. The important structural and metabolic causes of coma are reviewed in detail. It then describes the emergency treatment, both medical and surgical, of patients with specific disorders of consciousness and their prognosis. New chapters describe the approach to the diagnosis of brain death and the clinical physiology of the vegetative state and minimally conscious state, as well as the ethics of dealing with such patients and their families.

Aimed at medical students and residents, in fields from internal medicine and pediatrics to emergency medicine, surgery, neurology, neurosurgery, and psychiatry, who are likely to encounter patients with disordered states of consciousness this monograph includes historical background and basic neurophysiology important for those in the clinical neurosciences, and also lays out a practical approach to the comatose patient that is an important part of the repertoire of all clinicians who provide emergency care for patients with disorders of consciousness.