Dissects the nature of complications and helps anesthetists and anesthetic practitioners understand, avoid and manage them efficiently. Leading experts combine the detailed clinical management of common and important anesthetic and perioperative complications with discussion of the key philosophical, ethical and medico-legal issues that arise with assessing a medical complication. Initial chapters discuss how and why complications occur, the prevention of complications and risk management. The main body of the text reviews the clinical management of airway, respiratory, cardiovascular, neurological, psychological, endocrine, hepatic, renal and transfusion-related complications, as well as injury during anesthesia, complications related to regional and obstetric anesthesia, drug reactions, equipment malfunction and post-operative management of complications. Each chapter contains sample cases of complications and medical errors, giving clinical scenario, outcomes and recommendations for improved management. This is an important practical and clinical text for all anesthetists and anesthetic practitioners, both trained and trainees.