Record Nr. UNINA9910300199903321 Complications of CSF Shunting in Hydrocephalus: Prevention, **Titolo** Identification, and Management / / edited by Concezio Di Rocco. Mehmet Turgut, George Jallo, Juan F. Martínez-Lage Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2015 **ISBN** 3-319-09961-2 Edizione [1st ed. 2015.] 1 online resource (320 p.) Descrizione fisica Disciplina 616.85/8445 618.92 Nervous system - Surgery Soggetti **Pediatrics** Neurosurgery 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 and index. Nota di contenuto GENERAL INTRODUCTION: Clinical Manifestations of CSF Shunt Complications -- Neuroimaging in CSF Shunt Complications. COMPLICATIONS OF EXTRATHECAL CSF SHUNTS: Introduction -latrogenic Complications -- Complications Related to the Choice of the CSF Shunt Device -- Functional Complications -- Mechanical Complications -- Infective Complications -- Complications Related to the Type of Hydrocephalus -- Complications Specific to the Type of CSF Shunt -- Late Complications, COMPLICATIONS OF INTRATHECAL SHUNTS- ENDOSCOPIC TREATMENT: Introduction -- latrogenic and Infective -- Complications Due to Insufficient Correction of the Altered CSF Dynamics -- Complications Related to the Type of Hydrocephalus -- Late Failures. Sommario/riassunto Written and edited by leading international authorities in the field, this book provides an in-depth review of knowledge of complications of CSF shunting, with emphasis on prevention, identification, and management. It covers the full range of shunt-related complications and the various associated adverse consequences that remain common despite significant improvements in imaging techniques and

therapeutic methods. The chapters are organized into three parts:

introduction, complications of extrathecal CSF shunt devices, and complications of endoscopy. In addition to providing clinicians and investigators with the most pertinent current evidence, the book looks forward to future areas of hydrocephalus research and to innovative therapeutic philosophies. This comprehensive reference book will be an ideal source for neurosurgeons seeking both basic and more sophisticated information and procedures relating to the complications associated with CSF shunting. It will also contribute in overcoming the problem of lack of knowledge of basic fluid dynamics and workings of the shunts – knowledge that is essential for optimal care of hydrocephalic patients.