

1. Record Nr.	UNINA9910460639903321
Titolo	Practical epilepsy // editor, Aatif M. Husain
Pubbl/distr/stampa	New York, New York : , : Demos Medical, , 2016 ©2016
ISBN	1-61705-187-X
Descrizione fisica	1 online resource (478 p.)
Disciplina	616.85/3
Soggetti	Epilepsy Electronic books.
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; Preface; Share Practical Epilepsy; Part I: Clinical Aspects; Chapter 1: Pathophysiology; Cellular Physiology; Genetic Epilepsy; Autoimmune Epilepsy; Role of Astroglia in Epileptogenesis; Mesial Temporal Sclerosis; Pathophysiology of Primary Generalized Epilepsies; Mechanism of Ictogenesis; References; Chapter 2: Genetics; Overview of the Human Genome; Overview of Discovery Genetics in Epilepsy; Genetic Association Studies; Copy Number Variations; Large Structural Variants; Next-Generation Sequencing Studies; Pharmacogenomics Clinical Genetic TestingReferences; Chapter 3: Epileptic Seizures; Considerations in Classification; The 1981 Recommendations for the Classification of Seizures; The 2010 Recommendations for Classification of Seizures; Common Use; Illustrative Cases; References; Chapter 4: Epilepsy Syndromes; Classification of Epileptic Syndromes and the Epilepsies; Historical Overview; Epilepsy Syndromes/Electroclinical Syndromes; References; Chapter 5: Neonatal Seizures; Differential Diagnosis; Epidemiology and Risk Factors; Etiologies; Diagnostic Evaluation; Treatment of Neonatal Seizures; References Chapter 6: EpidemiologyDefinitions; Incidence and Prevalence; Etiology; Prognosis; Mortality; Status Epilepticus; References; Chapter 7: Etiology; Risk Factors; Etiologies; References; Chapter 8: Differential Diagnosis;

Clinical Presentation of Seizures; Diagnosis; References; Part II:
Diagnostic Evaluation; Chapter 9: Clinical Evaluation; History;
Examination; Epilepsy-Related Health Screening; Investigations; EEG;
Diagnosis; Evaluation of First Seizure; Follow-Up Evaluations; Patient
Education; Epilepsy Quality Measures; References; Chapter 10: EEG
Instrumentation
Cerebral Generators of EEG Potentials EEG Amplifiers; Digital Equipment;
Electrical Safety; Recording Procedures; Recording Montages;
Equipment for Long-Term EEG Monitoring; Equipment for ICU EEG
Monitoring; References; Chapter 11: Normal EEG; Normal Awake EEG;
Normal Sleep EEG; Activation Procedures; Normal Variants; Artifacts;
References; Chapter 12: EEG of Epilepsy; Epileptic Activity-General
Considerations; EEG of Localization-Related Epilepsies; EEG of
Generalized Epilepsies; References; Chapter 13: Ambulatory EEG;
Historical Perspective; Technical Considerations
Applications and Indications Utility and Comparison to Other Types of
Studies; Advantages and Disadvantages; Future Directions; References;
Chapter 14: ICU Continuous EEG Monitoring; cEEG Monitoring Service;
Recording EEG in the ICU; Indications; Duration; The Ictal-Interictal
Continuum; Quantitative EEG; References; Chapter 15: Epilepsy Surgery
Evaluation; Referral for Epilepsy Surgery; Surgical Evaluation Process;
Surgical Resection; Postsurgical Care; References; Chapter 16: Seizure
Semiology; Auras; Simple Motor Seizures; Complex Motor Seizures;
Dialeptic Seizures; Special Seizures
Selected Lateralizing Signs

2. Record Nr.	UNINA9910781797803321
Autore	Alshin A. B
Titolo	Blow-up in nonlinear Sobolev type equations [[electronic resource]] / Alexander B. Alshin, Maxim O. Korpusov, Alexey G. Sveshnikov
Pubbl/distr/stampa	Berlin ; ; New York, : De Gruyter, c2011
ISBN	1-283-16682-8 9786613166821 3-11-025529-4
Descrizione fisica	1 online resource (660 p.)
Collana	De Gruyter series in nonlinear analysis and applications, , 0941-8183X ; ; 15
Classificazione	SK 540
Altri autori (Persone)	KorpusovM. O SveshnikovA. G <1924-> (Aleksei Georgievich)
Disciplina	515/.782
Soggetti	Initial value problems - Numerical solutions Nonlinear difference equations Mathematical physics
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	Frontmatter -- Preface -- Contents -- Chapter 0 Introduction -- Chapter 1 Nonlinear model equations of Sobolev type -- Chapter 2 Blow-up of solutions of nonlinear equations of Sobolev type -- Chapter 3 Blow-up of solutions of strongly nonlinear Sobolev-type wave equations and equations with linear dissipation -- Chapter 4 Blow-up of solutions of strongly nonlinear, dissipative wave Sobolev-type equations with sources -- Chapter 5 Special problems for nonlinear equations of Sobolev type -- Chapter 6 Numerical methods of solution of initial-boundary-value problems for Sobolev-type equations -- Appendix A Some facts of functional analysis -- Appendix B To Chapter 6 -- Bibliography -- Index
Sommario/riassunto	The monograph is devoted to the study of initial-boundary-value problems for multi-dimensional Sobolev-type equations over bounded domains. The authors consider both specific initial-boundary-value problems and abstract Cauchy problems for first-order (in the time variable) differential equations with nonlinear operator coefficients with respect to spatial variables. The main aim of the monograph is to

obtain sufficient conditions for global (in time) solvability, to obtain sufficient conditions for blow-up of solutions at finite time, and to derive upper and lower estimates for the blow-up time. The abstract results apply to a large variety of problems. Thus, the well-known Benjamin-Bona-Mahony-Burgers equation and Rosenau-Burgers equations with sources and many other physical problems are considered as examples. Moreover, the method proposed for studying blow-up phenomena for nonlinear Sobolev-type equations is applied to equations which play an important role in physics. For instance, several examples describe different electrical breakdown mechanisms in crystal semiconductors, as well as the breakdown in the presence of sources of free charges in a self-consistent electric field. The monograph contains a vast list of references (440 items) and gives an overall view of the contemporary state-of-the-art of the mathematical modeling of various important problems arising in physics. Since the list of references contains many papers which have been published previously only in Russian research journals, it may also serve as a guide to the Russian literature.
