

1. Record Nr.	UNINA9910467112203321
Titolo	Cochlear implants / / Susan B. Waltzman, PhD ; J. Thomas Roland Jr., MD
Pubbl/distr/stampa	New York : , : Thieme, , 2014 ©2014
ISBN	1-60406-906-6
Edizione	[Third edition.]
Descrizione fisica	1 online resource (270 p.)
Disciplina	617.89
Soggetti	Cochlear implants Hearing disorders 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	Cochlear Implants; Title Page; Copyright; Contents; Preface; Contributors; Acknowledgments; 1 History of the Cochlear Implant; 2 Genetics of Hearing Loss and Predictors of Cochlear Implant Outcome; 3 Consequences of Deafness and Electrical Stimulation on the Peripheral and Central Auditory System; 4 Auditory Neuroplasticity; 5 Mimicking Normal Auditory Functions with Cochlear Implant Sound Processing: Past, Present, and Future; 6 Expanding Criteria for the Evaluation of Cochlear Implant Candidates; 7 Principles of Cochlear Implant Imaging 8 Intraoperative Monitoring During Cochlear Implantation 9 The History of Cochlear Implant Electrode Design; 10 Cochlear Implant Surgical Technique; 11 New Horizons in Surgical Technique; 12 A Global View of Device Reliability; 13 Revision Cochlear Implantation; 14 Advancements in Cochlear Implant Programming; 15 Auditory and Linguistic Outcomes in Pediatric Cochlear Implantation; 16 Auditory Outcomes in the Adult Population; 17 Therapeutic Approaches Following Cochlear Implantation; 18 Acoustic and Electric Speech Processing; 19 Music Perception; 20 Auditory Brainstem Implants 21 Applying Cochlear Implant Technology to Tinnitus and Vestibular Interventions 22 The Impact of Cochlear Implantation on the Recipient's

