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Titolo	Explosive Blast Injuries : Principles and Practices / / edited by Zhengguo Wang, Jianxin Jiang
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Explosion Physics -- Explosions and Causes of Injury -- Mechanics and Simulation of Blast Shock Wave Protection -- Biological Shock Tubes -- Mechanisms of Injury from shock waves -- Epidemiology of Blast Injuries -- Nuclear Weapons -- Nuclear Blast Injuries -- Nuclear Attacks on Hiroshima and Nagasaki, Japan -- Conventional Explosive Weapons and Injury Characteristics -- Techniques of Assessment and Principles of Prevention of Conventional Explosive Weapons Injuries -- Retrospective Analysis of Major Terrorist Bombings -- Concepts Related to Terrorist Bombings -- Characterization and Treatment of Terrorist Bombing Casualties -- Coal Mine Gas Explosion Injuries -- Chemical Explosions -- Bombing Cases -- Pulmonary Blast Injuries -- Hearing Blast Injuries -- Cranial Blast Injuries -- Ocular Blast Injuries -- Heart Blast Injuries -- Abdominal Blast Injuries -- Burn-blast combined Injuries -- Projectile-blast Combined Injuries -- Radiation-blast Combined Injuries -- Poison -blast Combined Injuries -- Mine Blast Injuries -- Highland Blast Injuries -- Underwater Blast Injuries -- Cabin Blast Injuries -- Post-explosive Stress Disorder -- Hemorrhagic Shock -- Infection and Sepsis -- Traumatic Coagulopathy -- Multiple Organ Dysfunction Syndrome -- Blast Injury Protection -- Graduated Treatment of Blast Injuries -- First Aid Techniques for Blast Injuries -- Diagnosis of Blast Injuries -- Management and Treatment of Blast Injury Patients in the

Sommario/riassunto

This book presents a systematic summary of a series of achievements of blast injury studies in China and the latest progress in blast injury treatment including injuries caused by various explosion accidents (such as coal mine gas explosion, and chemical explosion) and terrorist bombing around the world over the past three decades. The book not only covers comprehensive introductions to the knowledge and injury theories about explosive shock waves, but also expounds the prevention and treatment of various explosion shock injuries and their complications with generalized summaries. This book not only contains a diverse range of content, but also immense practicality. It elaborates on the causes of various types of explosion and impact injuries, as well as protection and treatment measures, serving not only as an important basis and technical support for military health service support in modern warfare, but is also extremely important in providing practical value in peacetime disaster prevention, mitigation and relief for patients.
