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Descrizione fisica	1 online resource (425 p.)
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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	Definition, classification and clinical presentation of Chronic Radiation Syndrome (CRS) associated with total exposure to external gamma-radiation -- Epidemiology of Chronic Radiation Syndrome -- Mechanisms involved in Chronic Radiation exposure effects. Pathogenesis of Chronic Radiation Syndrome -- Pathoanatomy of Chronic Radiation Syndrome during the period of its development and at recovery stage -- Clinical manifestations of Chronic Radiation Syndrome -- Health status in CRS patients during the period of late effects development -- Dynamics of hematopoietic changes in CRS patients -- Diagnosis of Chronic Radiation Syndrome -- Differential diagnosis of Chronic Radiation Syndrome -- Treatment of patients with Chronic Radiation Syndrome -- Rehabilitation and expert evaluation of health status for persons with Chronic Radiation Syndrome.
Sommario/riassunto	This book covers all aspects of chronic radiation syndrome (CRS) based on observations in a unique sample of residents of the Techa riverside villages in the southern Urals who were exposed to radioactive contamination in the 1950s owing to releases of liquid radioactive wastes from Mayak Production Association, which produced plutonium

for weapons. In total, 940 cases of CRS were diagnosed in this population and these patients were subjected to detailed analysis. The opening chapters address the definition and classification of CRS, epidemiology and pathogenesis, covering molecular and cellular mechanisms, radioadaptation, and the role of tissue reactions. The pathoanatomy of CRS during the development and recovery stages is discussed for all organ systems. Clinical manifestations of CRS at the different stages are then described in detail and the dynamics of hematopoietic changes are thoroughly examined. In the following chapters, principles of diagnosis (including assessment of the exposure doses to critical organs) and differential diagnosis from a wide range of other conditions are discussed and current and potential treatment options, described. The medical and social rehabilitation of persons with CRS is also covered. This book, which casts new light on the condition, will be of value for all practitioners and researchers with an interest in CRS.
