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SYSTEM""; ""SPINAL CORD""; ""PERIPHERAL NERVES""; ""24. Musculoskeletal system""; ""BONES""; ""SKELETAL MUSCLES""; ""25. Hematopoietic tissue""; ""26. Lymphoreticular system""; ""27. Organs of special senses""; ""EYE AND ITS ADNEXA""; ""EAR""; ""28. Skin""; ""29. Differential diagnosis of atypical cells in irradiated tissues""; ""30. Risk assessment""; ""Epilogue""; ""Index""; ""A""; ""B""; ""C""; ""D""; ""E""; ""F""; ""G""; ""H""; ""I""; ""J""; ""K""; ""L""; ""M""; ""N""; ""O""; ""P""; ""Q""; ""R""; ""S""; ""T""; ""U""; ""V""; ""W""; ""X""

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## Sommario/riassunto

Radiation Pathology is an up-to-date compendium of the effects of ionizing radiation on human tissues. It will be of great value to radiation oncologists, pathologists, and other professionals. The early chapters deal with basic science: physics, radiobiology, genetics, etc. The circumstances of human exposures (therapeutic, accidental, warfare) are then considered in the light of extensive epidemiological data. Acute radiation syndromes and radiation cardiogenesis are described in detail, including recent information on mechanisms of oncogenesis. For the benefit of readers who are not radiation oncologists, two chapters outline the current uses of radiation in therapy and in diagnosis, including the various applications of radionuclides. The bulk of the text deals with radiopathology and its morphologic expression. An overview orients the reader and classifies the main types of lesions. The chapters on specific organs or organ systems are consistently divided into sections to facilitate rapid retrieval of information on: normal structure, tolerance doses, experimental studies, morphology and pathogenesis, and clinical manifestations.; The authors' lucid, well-organized descriptions will inform radiation oncologists about the types of injury to be expected, and will guide pathologists in making different diagnoses.

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