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2. Record Nr.	UNINA9910973801603321
Titolo	Exposure of the American people to Iodine-131 from Nevada nuclear-bomb tests : review of the National Cancer Institute report and public health implications / / Committee on Thyroid Screening Related to I-131 Exposure, Board on Health Care Services, Institute of Medicine, and Committee on Exposure of the American People to I-131 from the Nevada Atomic Bomb Tests, Board on Radiation Effects Research, Commission on Life Sciences, National Research Council
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Descrizione fisica	1 online resource (288 p.)
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Soggetti	Ionizing radiation - Dosage Iodine - Isotopes - Toxicology - United States Nuclear weapons testing victims - Health risk assessment - United States Thyroid gland - Cancer - United States - Epidemiology Radiation carcinogenesis - United States

Iodine in the body
Radiation, Background - Health aspects
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Legislation as Topic
Radiation Dosage
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Nota di contenuto

Front Matter -- Preface -- Acknowledgments -- Contents -- Executive Summary -- 1 Introduction -- 2 Review of the NCI Radiation Dose Reconstruction -- 3 Health Risks of I-131 Exposure -- 4 Implications for Clinical Practice and Public Health Policy -- 5 Communicating with the Public about Exposure to Iodine-131 -- 6 Research Needs -- References -- Glossary -- Appendix A Study Activities -- Appendix B Copy of the Memorandum from Dr. Charles Land to Dr. Richard Klausner

Sommario/riassunto

In 1997, after more than a decade of research, the National Cancer Institute (NCI) released a report which provided their assessment of radiation exposures that Americans may have received from radioactive iodine released from the atomic bomb tests conducted in Nevada during the 1950s and early 1960s. This book provides an evaluation of the soundness of the methodology used by the NCI study to estimate: Past radiation doses. Possible health consequences of exposure to iodine-131. Implications for clinical practice. Possible public health strategies--such as systematic screening for thyroid cancer--to respond to the exposures. In addition, the book provides an evaluation of the NCI estimates of the number of thyroid cancers that might result from the nuclear testing program and provides guidance on approaches the U.S. government might use to communicate with the public about Iodine-131 exposures and health risks.