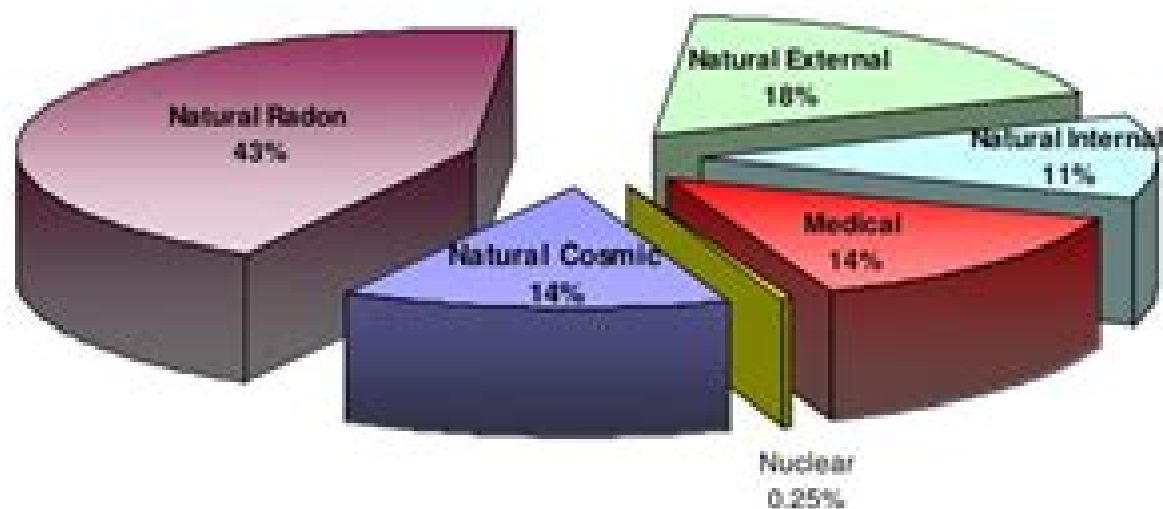


Sources of Ionizing Radiation



Average radiation exposure from all sources: 2.8 mSv/year



IAEA

Effects Of Ionizing Radiation On Natural

**Carmen Arena, Valérie Legué, Roberta
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Synopsis of Pathophysiology in Nuclear Medicine Abdelhamid H. Elgazzar,2023-06-27 This book now in its second edition will serve as a quick reference that will help the reader to understand different diagnostic scintigraphic patterns and to select appropriate treatment modalities based on functional imaging The book concisely describes relevant anatomic and physiologic considerations for each organ system and the pathophysiologic features of different relevant diseases and relates them to the scintigraphy of each system It thereby provides an informative synopsis of the pathophysiologic basis of nuclear medicine and molecular imaging The volume is divided into 13 chapters that feature basic pathophysiology cell biology and biologic effects of ionizing radiation radiopharmaceutical uptake and relevant anatomic and physiologic considerations for each organ system and the pathophysiologic features of different relevant diseases The objective of this volume is to provide a brief easy to use but nonetheless comprehensive companion guide to The Pathophysiology Basis of Nuclear Medicine that will prove useful to undergraduates and postgraduates as well as to practitioners in clinical and research fields **The**

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Natural Fats Joseph Philip Kavalam,1968 *Higher Plants, Algae and Cyanobacteria in Space Environments* Carmen Arena,Valérie Legué,Roberta Paradiso,Thomas Graham,2021-03-15 *Radiobiology Textbook* Sarah Baatout,2023-09-23 This open access textbook focuses on the various aspects of radiobiology The goal of radiobiological research is to better understand the effects of radiation exposure at the cellular and molecular levels in order to determine the impact on health

This book offers a unique perspective by covering not only radiation biology but also radiation physics radiation oncology radiotherapy radiochemistry radiopharmacy nuclear medicine space radiation biology physics environmental and human radiation protection nuclear emergency planning molecular biology and bioinformatics as well as the ethical legal and social considerations related to radiobiology This range of disciplines contributes to making radiobiology a broad and rather complex topic This textbook is intended to provide a solid foundation to those interested in the basics and practice of radiobiological science It is a learning resource meeting the needs of students scientists and medical staff with an interest in this rapidly evolving discipline as well as a teaching tool with accompanying teaching material to help educators

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Equidosimetry F. Bréchnac,G. Desmet,2007-05-22 Considerable experience with radioecological and related ecological research on terrestrial and aquatic ecosystems has been achieved especially after the Chernobyl accident The combined effects of the radiation chemical and biological factors after a contamination of the environment and during its remediation have shown an interactive complexity that highlights the need for equidosimetrical evaluations of the influence of the various stressors and the need for their ecological normalization In radioecology and radiation protection methods of radiation dosimetry are key for dose assessment It is therefore highly desirable to develop a clear theoretical approach as well as a practical method of equidosimetry that would allow for an ecological normalization of the different stressors in unified uniform units especially for comparison purposes

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