

1. Record Nr.	UNINA9910456042603321
Titolo	Evaluating chemical and other agent exposures for reproductive and developmental toxicity [[electronic resource] /] / Subcommittee on Reproductive and Developmental Toxicology, Committee on Toxicology, Board on Environmental Studies and Toxicology, Commission on Life Sciences, National Research Council
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, c2001
ISBN	1-280-18509-0 9786610185092 0-309-56761-0
Descrizione fisica	1 online resource (262 p.)
Collana	Compass series
Disciplina	616.6/5071
Soggetti	Reproductive toxicology Developmental toxicology Toxicity testing Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 92-114).
Nota di contenuto	""EVALUATING CHEMICAL AND OTHER AGENT EXPOSURES FOR REPRODUCTIVE AND DEVELOPMENTAL TOXICITY""; ""Copyright""; ""Preface""; ""Contents""; ""Abbreviations""; ""EVALUATING CHEMICAL AND OTHER AGENT EXPOSURES FOR REPRODUCTIVE AND DEVELOPMENTAL TOXICITY""; ""Summary""; ""CONCLUSIONS AND RECOMMENDATIONS""; ""Evaluative Process""; ""Assessing the Available Data""; ""Integration of Toxicity and Exposure Information""; ""Insufficient Data Sets""; ""Application of the Evaluative Process""; ""Sources of Information""; ""Research Recommendations""; ""1 Introduction ""; ""SUBCOMMITTEE'S TASK"" ""ORGANIZATION OF THE REPORT""""2 The Evaluative Process: Part I. Assessing the Available Data ""; ""PRINCIPLES AND OBJECTIVES""; ""Use of Data and Judgment""; ""Weight of Evidence""; ""Threshold Assumption""; ""Narrative Statement""; ""Certainty""; ""Use All Relevant, Acceptable Data""; ""Qualities and Limitations of Reproductive and

Developmental Toxicity Studies"; "Characterizing Data"; "Expert Review Team"; "GENERAL DESCRIPTION"; "DETAILS OF THE EVALUATIVE PROCESS"; "Exposure Data"; "General Toxicological and Biological Parameters"; "Chemistry"; "Basic Toxicity"; "Acute Studies"; "Repeated-Dose Studies"; "Genetic Toxicity"; "Pharmacokinetics"; "Reproductive and Developmental Toxicity"; "Human Data"; "Weighing the Evidence"; "Case Reports and Clinical Series"; "Assessing Causality in Human Studies"; "Experimental Animal Toxicity"; "Utility and Limitations"; "Adverse Effect"; "3 The Evaluative Process: Part II. Integration of Toxicity and Exposure Information "; "INTERPRETATION OF TOXICITY DATA"; "Default Assumptions To Be Considered in Assessing Reproductive and Developmental Toxicity Risk"; "Absorption"; "Cross-Species Extrapolation"; "Exposure Duration"; "Windows of Vulnerability"; "Additivity"; "QUANTITATIVE EVALUATION"; "Identification of the NOAEL and LOAEL"; "Calculation of the Benchmark Dose"; "Duration Adjustment"; "Uncertainty Factors"; "Calculation of the Unlikely Effect Level"; "Calculation of the Margin of Exposure (MOE)"; "Assessing a Degree of Concern"; "Application of Reproductive and Developmental Toxicity Data to Various Exposure Scenarios"; "Critical Data Needs"; "SUMMARY"; "4 Incomplete or Insufficient Data Sets "; "PRINCIPLES TO MINIMIZE RISK"; "PRACTICAL APPLICATION"; "REDUCING UNCERTAINTY"; "5 Recommendations "; "GENERAL RECOMMENDATIONS"; "RESEARCH RECOMMENDATIONS"; "References"; "Appendixes"; "Appendix A Application of the Recommended Evaluative Process to Specific Chemicals "; "JP-8 JET FUEL"; "Exposure Data"; "General Toxicological and Biological Parameters"; "Lethality"; "Acute Studies"; "Human Studies"; "Experimental Animal Studies"; "Repeated-Dose Studies"; "Human Studies"; "Experimental Animal Studies"; "Cancer"; "Genetic Toxicity"; "Disposition and Pharmacokinetics"

2. Record Nr.	UNINA9910792465903321
Titolo	Environmental impacts on reproductive health and fertility // edited by Tracey J. Woodruff [and three others] [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2010
ISBN	1-107-20722-3 1-282-54698-8 9786612546983 0-511-67423-6 0-511-67542-9 0-511-67217-9 0-511-67089-3 0-511-67468-6 0-511-67344-2
Descrizione fisica	1 online resource (xi, 250 pages) : digital, PDF file(s)
Collana	Cambridge medicine
Disciplina	616.6/5071
Soggetti	Reproductive toxicology Reproductive health - Environmental aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di contenuto	Machine generated contents note: 1. Introduction Tracey J. Woodruff and Linda C. Giudice; 2. Environmental contaminants and exposure Mary A. Fox and Yutaka Aoki; 3. Development and maturation of the normal female reproductive system: 3.1. Ovary Laxmi A. Kondapalli and Teresa K. Woodruff; 3.2. Oviduct and uterus Leo F. Doherty and Hugh S. Taylor; 3.3. Breast Maricel V. Maffini, Carlos Sonnenschein and Ana M. Soto; 4. Development and maturation of the normal male reproductive system Richard M. Sharpe; 5. Modern genetics of reproductive biology Taisen Iguchi and Tamotsu Sudo; 6. Mechanisms of endocrine disruption K. Leigh Greathouse and Cheryl L. Walker; 7. Developmental exposures and implications for early and latent disease Retha R. Newbold and Jerrold J. Heindel; 8. Wildlife as sentinels of environmental impacts on reproductive health and fertility Heather J. Hamlin and Louis

J. Guillette Jr; 9. Environmental contaminants and effects on timing and progression of human pubertal development Annette Mouritsen, Julie Damm, Lise Aksglaede, Kaspar Sørensen and Anders Juul; 10. Environmental contaminants and impacts on healthy and successful pregnancies Re;my Slama and Sylvaine Cordier; 11. Environmental contaminants and the reproductive and fertility effects in the male: 11.1. Introduction Sarah J. Janssen; 11.2. Environmental contaminants and male reproductive health: possible role of fetal exposure Jorma Toppari, Helena E. Virtanen and Niels E. Skakkebaek; 11.3. Environmental contaminants and male reproductive health: adult exposure and effects on fertility John D. Meeker and Russ Hauser; 12. Environmental contaminants, female reproductive health and fertility Pauline Mendola and Germaine M. Buck Louis; 13. Environmental contaminants and related systems that have implications for reproduction: 13.1. The neuroendocrine system Andrea C. Gore; 13.2. The thyroid system R. Thomas Zoeller and John D. Meeker; 13.3. The immune system Robert W. Luebke and Dori R. Germolec; 14. Environmental contaminants and cancers of the reproductive tract Gail S. Prins and Esther L. Calderon; 15. Communicating with patients and the public about environmental exposures and reproductive risk Gina M. Solomon and Sarah J. Janssen; 16. Interpreting science in the policy context Tracey J. Woodruff and Sarah J. Janssen; 17. Conclusions - what does all this mean and where are we going? Shanna H. Swan, Patricia Hunt and Linda C. Giudice; Index.

Sommario/riassunto

Many reproductive and developmental health problems are caused by exposure to chemicals that are widely dispersed in our environment. These problems include infertility, miscarriage, poor pregnancy outcomes, abnormal fetal development, early puberty, endometriosis, and diseases and cancers of reproductive organs. The compelling nature of the collective science has resulted in recognition of a new field of environmental reproductive health. Focusing on exposures to environmental contaminants, particularly during critical periods in development and their potential effects on all aspects of future reproductive life-course, this book provides the first comprehensive source of information bringing together the arguments that are spread out among various scientific disciplines in environmental health, clinical and public health fields. It provides a review of the science in key areas of the relationship between environmental contaminants and reproductive health outcomes, and recommendations on efforts toward prevention in clinical care and public policy.
