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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	chapter 1 Introduction -- chapter 2 Design and Oversight of Laboratory Animal Facilities -- chapter 3 Housing and Care of Laboratory Animals -- chapter 4 Animal Needs and Environmental Refinement -- chapter 5 Ethical Evaluation of ScientificProcedures: Recommendations for Ethics Committees -- chapter 6 Reduction by Careful Design and Statistical Analysis -- chapter 7 Animal Models: Selecting and Preparing Animals for a Study -- chapter 8 Creation of Genetically Modified Animals -- chapter 9 Management of Genetically Modified Rodents -- chapter 10 Impact of Handling, Radiotelemetry, and Food Restriction -- chapter 11 Basic Procedures: Dosing, Sampling and Immunisation -- chapter 12 Imaging Techniques -- chapter 13 Anaesthesia and Analgesia -- chapter 14 Use of Humane Endpointsto Minimise Suffering -- chapter 15 Euthanasia -- chapter 16 Education, Training, and Competence -- chapter 17 Animal Experimentation and Open Communication.

Sommario/riassunto

Judge Your Practices Against This Benchmark Manual COST Action B-24 established four working groups to research and discuss issues relevant to laboratory animal science. These included the housing of animals, environmental needs, refinement of procedures, genetically modified animals, and cost-benefit analysis. Based on the groups' findings, The COST Manual of Laboratory Animal Care and Use: Refinement, Reduction, and Research provides a consensual European view of best practices for individuals and institutions caring for and working with laboratory animals.
