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clinical research

3.5 Intellectual property and clinical research; 3.6 Authorship; 3.7 Scientific misconduct; 3.8 Conflicts of interest (COI); 3.9 Concluding remarks; 4 Regulatory process for the evaluation of dental drugs, devices, and biologics; 4.1 Mission of FDA; 4.2 FDA nomenclature; 4.3 Different pathways to approval; 4.4 Approved and non-approved dental-related products; 4.5 Regulatory processes in Canada, Europe, and other countries; 4.6 Summary; 5 Clinical and translational research grantsmanship: funding opportunities and obtaining research support; 5.1 Introduction and chapter overview
5.2 Funding sources and opportunities 5.3 Grant-writing basics and developing research proposals; 5.4 Oversight of funded clinical research; 5.5 Conclusion; 6 Data management in oral health research; 6.1 Introduction; 6.2 Developing a data management plan; 6.3 Defining variables; 6.4 Preparing the database for data entry; 6.5 Using the database for data collection; 6.6 Using the data for analyses; 7 Hypothesis testing and avoiding false-positive conclusions; 7.1 Introduction; 7.2 How can hypothesis testing lead to an overabundance of false-positive leads?
7.3 Quantifying the false-positive rates the theory; 7.4 Minimizing false-positive conclusions; registries, surrogates, randomization; 7.5 Conclusion; 8 Outcomes in oral health research; 8.1 Introduction; 8.2 Classification of outcomes; 8.3 Measurements of outcomes; 8.4 Dental and oral health outcomes in clinical research; 8.5 Outcomes and causal pathways; 8.6 Final comments; 9 Examiner training: standardization and calibration in periodontal studies; 9.1 Rationale; 9.2 Instruments; 9.3 Components of assessment; 9.4 Bleeding on probing; 9.5 Probing pressure and probe angulation
9.6 Patterns of examiner bias

Sommario/riassunto

Clinical Research in Oral Health surveys the essentials of clinical research in oral health, anchoring these principles within the specific context of the oral health arena. Addressing research questions exclusively applicable to dentistry and oral health, the book thoroughly illustrates the principles and practice of oral health clinical research. Clinical Research in Oral Health also clarifies the framework of regulatory issues and presents emerging concepts in clinical translation, relating the research principles to clinical improvement.