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Terminology; Precancerous (Premalignant) Lesions; Precancerous (Premalignant) Conditions; Syphilis; Multiple Lesion Disease; Summary; References; 5 Diagnostic Methods; Introduction; Screening; Clinical Examination Techniques; Diagnostic Aids in Precancer Diagnosis
Brush Biopsy and Exfoliative CytologyClinical Diagnosis in Practice; Summary; References; 6 Pathological Aspects of Oral Precancer; Introduction; Biopsy Techniques; Role of the Pathologist; Histopathological Features of Oral Potentially Malignant Disorders; Grading of Dysplasia; Limitations in Conventional Pathological Techniques; Summary; References; 7 Management of Oral Precancer; Introduction; Risk Factor Modification; Observation Versus Intervention; Medical Treatment; Surgical Treatment; Combined Treatment Modalities; Patient Follow Up and Surveillance; Summary; References
8 Clinical OutcomeIntroduction; Clinical Outcome Studies; Patient Cohort Studies; Definitions of Clinical Outcome; Newcastle Patient Cohort Studies; Patient Follow Up; Prediction of Clinical Outcome; Summary; References; 9 Malignant Transformation and Oral Cancer Development; Introduction; Risk of Progression to Oral Carcinoma; Malignant Transformation Versus Oral Cancer Development; Interventional Laser Surgery and Oral Cancer Prevention; Newcastle 10-Year Follow-Up Study; High- and Low-Risk Patients; Clinical Signs of Oral Squamous Cell Carcinoma
Diagnosis and Management of 'Unexpected Malignancy'Prognosis for the 'Transformed' Patient; Summary; References; 10 The Future; Introduction; Prevention of Oral Precancer; Early Diagnosis of Potentially Malignant Disease; Interventional Management Strategies in the Future; Individualised Patient Treatments: Biomarkers and Targeted Chemoprevention; Future Research Directions; Summary; References; 11 Case Histories; Introduction; Case 1: Diagnosis of Unexpected Malignancy; Case 2: Multiple Lesion Disease Responding to Conservative Management
Case 3: Multiple Lesion Disease Requiring Repeated Laser Treatments

Sommario/riassunto

"Oral Precancer is a preeminent new book that compiles recent research on precancer conditions of the oral cavity and their specific application to the dental field. In addition to providing a scientific and evidence-based survey of the disparate sources of oral precancer research, this book presents practical information for dental practitioners. Written by a prominent researcher in the field, Oral Precancer furnishes its readers with a balanced approach to this highly topical subject"--Provided by publisher.

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| Nota di contenuto | Intro -- Half Title -- Title -- Copyright -- Dedication -- Contents -- Author Biography -- Preface to the 2000 Edition -- Preface to the 2021 Edition -- Acknowledgements -- 1 Angiosperms and Bees: The Evolutionary Bases of Crop Pollination -- 1.1 Sex: diversity with Stability -- 1.2 Sex in the Gymnosperms -- 1.3 Flower Morphology and Fertilization -- 1.4 Evolution of the Flower -- 1.5 Coevolution of Animal Pollinators and the Flower -- 1.6 Insect Flower Visitors and the Significance of Bees -- 2 Biology of Bees -- 2.1 Bee Fundamentals -- 2.2 Solitary Bees -- 2.3 Social Bees -- 2.4 A Word About Pollinator Efficacy and its Labels -- 2.5 Effects of Non-Native Bee Species -- 3 What Makes a Good Pollinator? -- 3.1 Pollinator Efficiency -- 3.2 Pollination Performance from the Perspective of the Bee -- 3.3 Pollinator Dependency from the Perspective of the Plant -- 3.3.1 Breeding systems -- 3.3.2 Flower and fruit morphology -- 3.4 Pollinator Performance from the Perspective of Foraging Ecology -- 3.4.1 Theoretical foundations -- 3.4.2 Taxon-based differences in bee |

flight distance -- 3.4.3 Morphological considerations -- 3.4.4 Forager behaviour in rich and poor habitats -- 4 Economic and Ecosystem Benefits of Bee Pollination -- 4.1 Worldwide Production Trends for Bee-Pollinated Crops -- 4.2 Quality Properties Distinctive to Bee-Pollinated Crops -- 4.3 Value of Optimizing Pollination in Bee-Pollinated Crops -- 4.4 Efforts at Valuing Bee Pollination Across Geographic Scales -- 4.4.1 Economic value of insect pollination -- 4.4.2 Attributable net income -- 4.4.3 Replacement value -- 4.4.4 Consumer surplus -- 4.4.5 Computable general equilibrium -- 4.4.6 Higher-order dependence -- 4.4.7 Stated preference or willingness to pay -- 4.5 Other Ecosystem Services Provided by Bees -- 5 State of the World's Bee Pollinators and the Consequences for Crop Pollination.
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9.1.4.1 Cold storage and incubation -- 9.1.4.2 Nesting materials and shelters -- 9.1.4.3 Loose-cell rearing system -- 9.1.4.4 Solid wood/phaseout rearing system -- 9.1.4.5 Alfalfa leafcutting bee enemies -- 9.2 Alkali Bees -- 9.2.1 Biology -- 9.2.2 Alkali bees as pollinators -- 9.2.3 Recommended bee densities -- 9.2.4 Qualities of good nesting sites -- 9.2.4.1 Soil moisture -- 9.2.4.2 Soil composition and texture -- 9.2.4.3 Vegetation -- 9.2.5 Building or enhancing bee beds -- 9.2.5.1 Natural/semi-natural (open-ditched) beds -- 9.2.5.2 Semi-artificial (pipeline) beds -- 9.2.5.3 Artificial (plastic-lined) beds -- 9.2.6 Surface moisture.
9.2.7 Late-season moisture -- 9.2.8 Surface salting -- 9.2.9 Vegetation management -- 9.2.10 Attracting and establishing bees -- 9.3 Orchard Mason Bees -- 9.3.1 Biology -- 9.3.2 Orchard mason bees as pollinators -- 9.3.3 Rearing and managing orchard mason bees -- 10 Wild Bees -- 10.1 Wild Bees as Pollinators -- 10.2 Drivers of Wild Bee Abundance and Pollination Performance at Crops -- 11 Stingless Bees, Tribe Meliponini -- 11.1 Stingless Bee Biology -- 11.2 Stingless Bees as Pollinators -- 11.3 Meliponiculture -- References -- Index -- Back.

Sommario/riassunto

A practical guide to bees and how they pollinate essential crops. Provides simple, succinct advice on how to increase bee abundance and pollination. Very useful for farmers, horticulturalists, gardeners, and those interested in insect ecology and conservation, including students of entomology and crop protection.