



**Auflage:** 1. Auflage 2025  
**Seiten:** 498  
**Abbildungen:** 378  
**Einband:** Hardcover; 21 x 28 cm  
**ISBN:** 978-1-78698-114-1  
**Artikelnr.:** BG172  
**Erschienen:** Januar 2025

**Preis** \$218.00  
 Änderungen vorbehalten!

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## Buch-Information

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**Titel:** Medicine in Dentistry

#### Kurztext:

Most patients visit their dentist more frequently than any other doctor. Because of this, dentists play a particularly important role in the early detection of internal diseases, as existing systemic diseases have an influence on dental treatment. The much-discussed effect of an aging society – with its accompanying multimorbidity and multimедication – reinforces this fact considerably and highlights the relevance of medical knowledge in everyday dental practice.

This book, curated by three editors with dual qualifications in dentistry and medicine, provides the knowledge required for everyday practice and supports the planning of dental treatments in light of various medical challenges. Symptoms occurring during treatment are discussed, and procedures are presented in a problem- and action-oriented manner. Each article in the book can be read individually as a stand-alone topic of interest or in conjunction with the others as part of the global picture. With a concluding chapter on keeping the dental team healthy, the book ensures confidence in everyday dental practice.

#### Contents

##### 1. Basics

- Anatomical basics
- Bone and skeletal system: Anatomy, histology, physiology, and pathophysiology
- Pain and wound healing
- Laboratory examination: Which values are important for the dentist?

##### 2. Pharmacology

- Basics of pharmacology
- Antibiotic therapy in dental practice
- Analgesic therapy in dental practice
- Recommendations for the target-oriented and reasonable use of pharmaceuticals in the dental office
- Drugs relevant to dentistry and their interaction with frequently prescribed drugs
- Medication-associated osteonecrosis of the jaw
- The Role of new antiresorptives, neoangiogenesis inhibitors, and immunomodulators in the development of osteonecrosis of the jaw
- Coagulation and anticoagulants
- Cause and therapy of hemorrhage
- Management of the anticoagulated patient during dentoalveolar surgery
- The Immunocompromised patient in the dental practice

##### 3. Common medical conditions relevant in dentistry

- The medical importance of dentistry
- Medical diagnostics in dental practice
- Coronary heart disease
- Cerebrovascular events—Epidemiology, symptoms, etiology, diagnosis, prognosis, and prophylaxis
- Venous thrombosis
- Endocarditis
- Diabetes mellitus and dentistry
- Dental treatment of patients with chronic renal insufficiency
- Metabolic bone diseases and osteoporosis
- Lung infection: Basic pulmonary physiology and pathophysiology and the diagnosis and therapy of pneumonia
- Chronic obstructive pulmonary disease (COPD)
- Asthma management

- The pregnant patient
- Sinusitis: Clinical presentation, diagnosis, and therapy
- Inflammatory diseases of the ear
- Salivary gland diseases
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- Breast cancer (Mammary Carcinoma)
- Neoplasms of the blood
- Prostate cancer—The most common malignant neoplasm in men
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- Headache and facial pain
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- Sedation and anesthesia
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- Multiple sclerosis: A chronic degenerative disease of the central nervous system
- Parkinson disease
- Sleep-related breathing disorders and dentistry: Where is the connection?
- Standardized examination and special diagnostic procedures in oral medicine
- Oral cancer
- Odontogenic infections Part 1: Pathology
- Odontogenic infections Part 2: Diagnostics and therapy
- Odontogenic infections Part 3: Complications and differential diagnoses
- Imagined ugliness: Body dysmorphic disorder
- Basics of traumatology, fracture healing, and principles of osteosynthesis

#### 4. Medical knowledge for the dental team

- Prevention and early detection of malignant diseases
- Hygiene in practice and surgery
- The needlestick injury in practice: An almost everyday problem
- Dentistry and ophthalmology
- “There is a cost to caring:” Prevention of burnout for the practice team
- Burnout in dentists: A literature review
- The back: Classic problem area for the dentist
- Dupuytren disease—When the fingers no longer cooperate
- Disease transmission and risk of infection in dental practice using SARS-CoV-2 (COVID-19) as a particular example

#### 5. Appendix

##### **With contributions from:**

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