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## Book information

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**Title:** Medicine in Dentistry

#### Short text:

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.

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- 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
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- Parkinson disease
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- Standardized examination and special diagnostic procedures in oral medicine
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- 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

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- 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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**Categories:** Human Medicine, General Dentistry