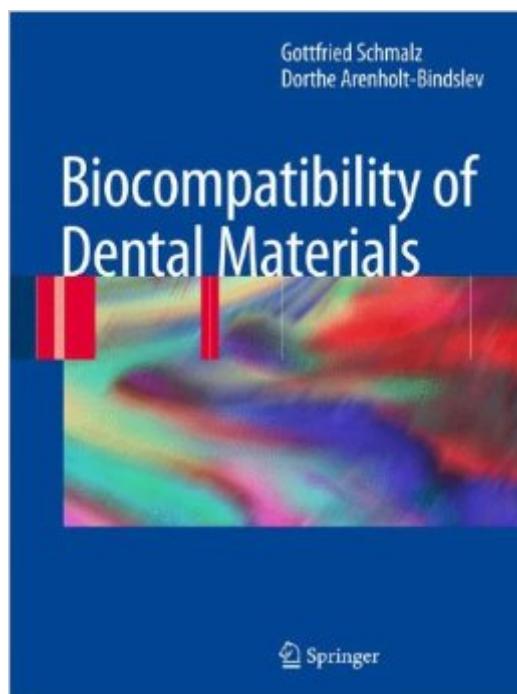


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# Biocompatibility Of Dental Materials



## Synopsis

This book provides a comprehensive and scientifically based overview of the biocompatibility of dental materials. Up-to-date concepts of biocompatibility assessment are presented, as well as information on almost all material groups used in daily dentistry practice. Furthermore, special topics of clinical relevance (e.g., environmental and occupational hazards and the diagnosis of adverse effects) are covered. The book will improve the reader's ability to critically analyze information provided by manufacturers to supply a better understanding of the biocompatibility of single material groups, which will help the reader choose the most appropriate materials for any given patient and thus prevent adverse effects from developing. It provides insights on how to conduct objective, matter-of-fact discussions with patients about the materials to be used in dental procedures. It advises readers, through the use of well-documented concepts, on how to treat patients who claim adverse effects from dental materials. It features clinical photographs that will serve as a reference when analyzing clinical symptoms, such as oral mucosa reactions.

## Book Information

Hardcover: 379 pages

Publisher: Springer; 2009 edition (December 8, 2008)

Language: English

ISBN-10: 3540777814

ISBN-13: 978-3540777816

Product Dimensions: 7.8 x 1 x 10.4 inches

Shipping Weight: 2.7 pounds (View shipping rates and policies)

Average Customer Review: 4.7 out of 5 stars (See all reviews) (3 customer reviews)

Best Sellers Rank: #1,345,618 in Books (See Top 100 in Books) #24 in Books > Medical Books > Dentistry > Dental Materials #233 in Books > Textbooks > Medicine & Health Sciences > Medicine > Diagnostics & Labs > Laboratory Medicine #313 in Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Dermatology

## Customer Reviews

This book is very informative and with many references for related research if one wishes to find additional information. I would recommend it to both dentists and non-dentists wanting to learn more about biocompatibility of dental materials. This is an area that was not covered in the past in dental schools or follow-up courses and education. As a consequence, most of the practicing dentists are not aware of the actual biocompatibility of dental materials that they are placing into patients' mouths.

Same holds true for dental labs, while dental material manufacturing companies carry most of the burden given they do not enough research and do not provide transparent information on their products to judge their biocompatibility by dentist and/or patient/consumer and even dental lab. Some of the companies are better in this regard - such as Vita/Vident which pay more attention to biocompatibility. The focus and mantra of modern dentistry was cosmetic and use of use - focus was on less costly, quicker procedures and materials, not on the ones that are most biocompatible. This is highly troubling given toxicity and potential for allergies for many dental materials. Just to name a few: 1. amalgam - one of favorites of old dental school (~40-50% mercury - is a highly toxic substance that evaporates from amalgams on a daily basis, infiltrates many parts of the body and impacts brain, kidney's, liver, endocrine/hormonal system. Overall, this is a very troubling material, while it the filling does last a long time its effects are also felt for a long time by the patient. 2. barium - more recent favorite that was/is being added to composite materials, ceramic materials, and cements. 3.

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