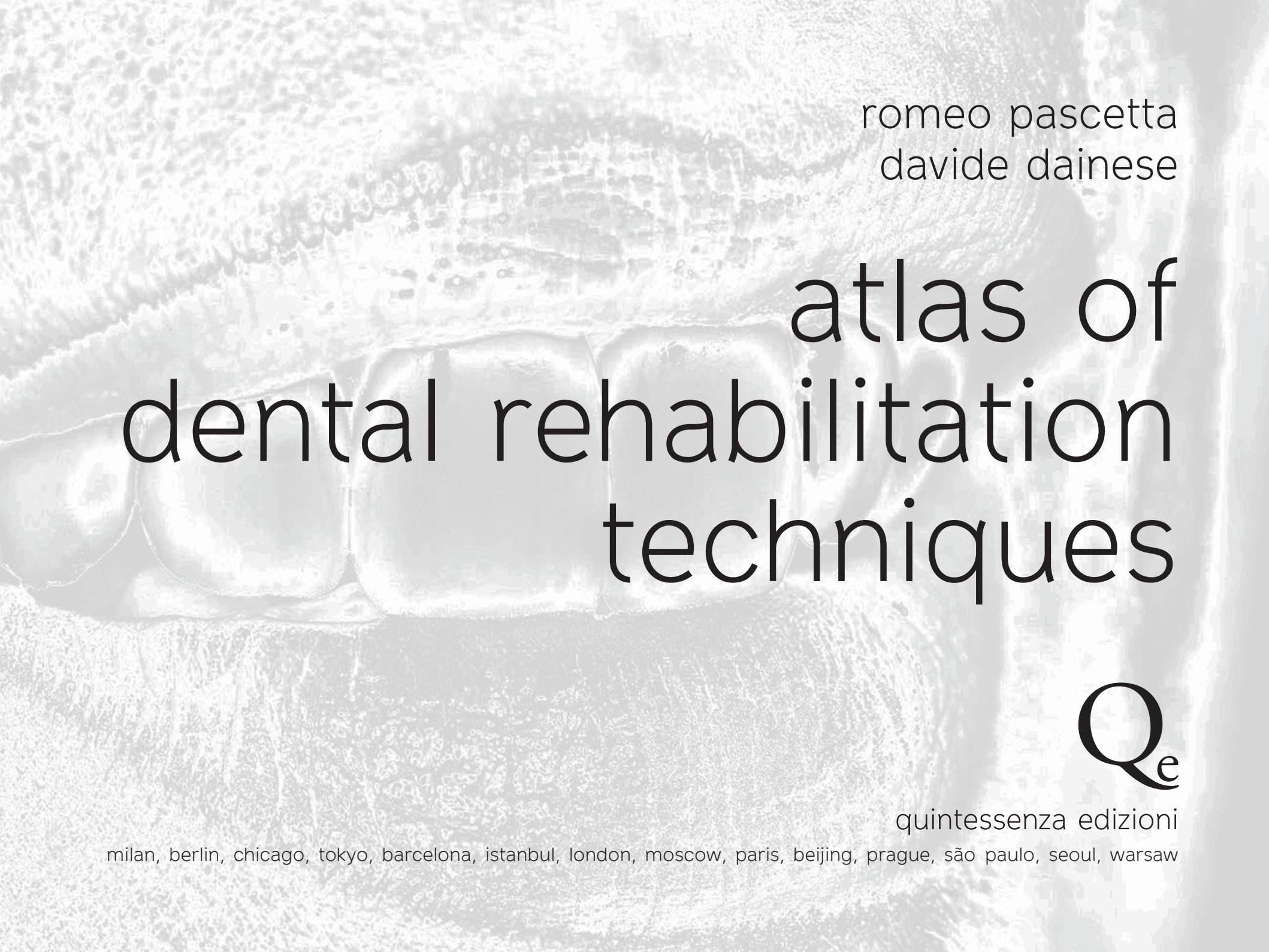




romeo pascetta
davide dainese

atlas of dental rehabilitation techniques

Q_e

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foreword

Romeo Pascetta and Davide Dainese belong to a limited group of very talented ceramists with unique skills and experience in performing all kinds of restorations, from single-tooth to full-arch, with the same precision. In this outstanding book, they provide the reader with the most valid artistic basics and with profound technical knowledge, which can only come from extensive and valuable practical experience.

Each chapter deals with important topics, with meticulous attention to detail in each and every step and absolute precision throughout that starts with the communication between the dentist and the laboratory and is maintained until the completion of that particular case. The extremely detailed assessment of the final impression using a microscope is essential to the steps that follow: mounting

casts on the articulator, a first-rate wax-up, and a thorough evaluation of all elements of occlusion required for each kind of restoration. Framework design, choice of metal or ceramic system, final marginal fit, and design of collarless and all-ceramic restorations are extensively described and cautiously illustrated to share all the essential practical details with the reader.

The authors' talent is particularly demonstrated in the sections about final wax-up and finishing of ceramic restorations, and there is a clear focus on disciplined implementation of the full-contour wax-up, because this step is closely reflected in the completed restoration. This systematic work is particularly important in achieving complete esthetic and functional predictability in complex restorations. For all these reasons, and because of

its deeply practical approach, this book is a huge contribution to esthetic dentistry, and it will be of use to both dentists and dental technicians willing to improve their technical and communication skills in the name of excellent interdisciplinary work.

Finally, this brilliant work reflects Romeo Pascetta's and Davide Dainese's passion for their work and shows their experience and skills, which can only result from years of work in the laboratory and dedication to meeting the highest esthetic standards.

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preface

The idea of an *Atlas of Dental Rehabilitation Techniques* came from a desire to provide dental technicians and dentists with a laboratory manual that would illustrate, through pictures and captions, the working techniques used to create dental prostheses as well as the technologies, materials, and equipment used in the laboratory. To this end, we have tried to outline—as if in a conference speech—our everyday working routine, documenting all the standard phases of each procedure and trying to capture the importance of accuracy and precision throughout the entire process with photographs. This atlas intends to be an easy-to-consult volume where the reader can find useful suggestions for various clinical situations, from the not-always-simple single-tooth restoration to large rehabilitations, which are often complex and difficult to resolve in



terms of precision, functionality, and esthetics. Performing the illustrated techniques correctly and choosing the right materials, together with the new technologies being introduced every day in this field, can guarantee dental technicians and their teams success in prosthetic restorations, leading to patient satisfaction.

Romeo Pascetta
Davide Dainese

In this *Atlas of Dental Rehabilitation Techniques*, through the photographs and their legends, we will analyze those elements that dental technicians should take into account to succeed and to successfully meet the patient's expectations. From the minor restoration of a single tooth to complex rehabilitations, we will show selected clinical cases, accomplished with traditional techniques, innovative materials, and state-of-the-art equipment and technology in dentistry and prosthodontics. Satisfying results can be achieved also in complex cases, which for the patient is a guarantee of the professionalism of the prosthetic team, thanks to clinical-laboratory communication and to an understanding of mutual needs. The object of a prosthetic restoration is to reproduce the look and function of natural teeth, and both the dentist and the dental technician share this goal. With proper tooth preparation, the accurate reproduction of anatomical characteristics, and the correct use of impression materials and techniques, the dentist sends fundamental medical information to the dental technician, whose goal is to reproduce the details; this is not possible without following laboratory techniques to the letter. It is therefore essential to pay great attention to technical working procedures, so that the anatomical information provided by the impression does not get lost, always bearing in mind that the proper use of innovative materials and careful management of laboratory working steps produce technically correct restorations. Behind a successful prosthetic restoration there are several elements.

First, whether natural teeth or implants support the restoration, one fundamental is planning: the more accurate the planning, the fewer unexpected outcomes there will be. Furthermore, when preparing for a single crown, a three- or four-unit fixed partial denture, or a full-mouth rehabilitation, the full-contour wax-up allows us to assess the esthetic form we want to obtain, thus giving us an idea of what the definitive restoration will be. The preliminary study of the framework architecture is a fundamental factor for the support of the esthetic layer material. It is worth mentioning that esthetics not only encompasses the shape and the shade, but also must be com-

plemented by prosthetic precision. All these requirements perfectly integrate with new and sophisticated computer-aided design/computer-assisted manufacture (CAD/CAM) working techniques that have certainly enhanced our field with new ceramic materials, thus fulfilling the more and more urgent esthetic needs of patients, while ensuring them a compatible biologic solution and a prosthesis with a long life expectancy. However, although technical progress leads more and more to the use of mechanized procedures, it is also true that, to master those techniques, the operator's experience, manual skills, and knowledge of materials are essential.

introduction

L'Aquila, April 6, 2009



A house filling up with every thing when living:
voices, smells, colors, people,
words growing into relationships,
caresses following the contours.

This house that gathers everything
and by everything is imprinted,
suddenly turns into a black cloud
darkening the sky.

But in the future the sun will shine,
it will not render vain the past
nor will it waste what it gave us.

Assunta Pascetta

Photo: Zulema Paciocco

acknowledgments

Romeo Pascetta

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Davide Dainese

To my father, Antonio, and my mother, Valentina, a model of strength, tenaciousness, self-sacrifice. Living by their example I learned never to give up in the face of difficulties.

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To the dentists with whom I work, for the clinical photographs in the book: Dr Massimiliano Zaccaria; Dr Alessandro Molinari; Dr Ettore Boschetti; Dr Domenico Baldi; and Dr Marco Rotondi.

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