Preparations for

Fixed Prosthodontics

Percy Milleding
Tradita innovare, innovata tradere

(To renew adopted knowledge and forward the renewed knowledge)

Universitas regia Gothoburgensis. The motto on the honorary medal of the University of Göteborg, Sweden.
Acknowledgements

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Preface

Like any other biological tissue, tooth hard tissues are unique. With this in mind all methods that favour preservation of the bio-tissues, including the dental hard tissues, should be favoured to other less bio-inspired methods. We witness a paradigm shift in therapy attitudes. Though applicable in many clinical situations the adhesive bonded therapies are not always possible to use. The traditional prostodontic therapies will then be a valid alternative.

This textbook is intended for undergraduate students within dental education, but will also be valid for postgraduate students and for general practitioners who want to update their knowledge in the various aspects on preparations for fixed prostodontic restorations.

The ambition has been not to do merely a “to-do-textbook” but rather a “to-do-and-why-textbook”. To be able to transform the knowledge and the practical hints into various clinical situations, the message behind the outspoken must be understood. This is one of the basic aims of this textbook. Another is to focus on adhesive bonded fixed prostodontic restorations, which will in fact take up the first half of the textbook. As an academic and a clinician I am deeply aware of the fact that no method and no technique, however motivated they may seem, will be suitable to everybody and last forever. The methods and the theoretical background presented in this textbook are in line with modern concepts and are often referred to as “the Scandinavian approach”.

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Nomenclature

In dentistry as well as elsewhere a specialized nomenclature has been developed over time. The purpose of this is to facilitate the inter-communication between colleagues, but also to reduce the need for lengthy descriptions and explanations on what has been observed and performed. Above all the specialized nomenclature is important for the sake of reducing the risk of misunderstandings in the clinical work. The reader is assumed to be well acquainted with basic nomenclature on positions and directions used by professionals in dentistry.

Peri-dental restoration implies a restoration, which covers the prepared tooth completely as in the full-crown or partly as in the partial-crown (Fig. 0.1). An

![Fig. 0.1. Examples of peri-dental restorations: (a) full-crown, (b) partial-crown.](image)

![Fig. 0.2. Examples of intra-dental restorations: (a) occlusal inlay, (b) post and core.](image)

![Fig. 0.3. The nomenclature of various parts of a tooth relative to the gingival margin. (a) is the anatomic crown and (b) is the anatomic root, whereas (c) indicates the clinical crown and (d) the clinical root.](image)