

CARMEN SCHELLER-SHERIDAN

Basic Guide to
**DENTAL
INSTRUMENTS**
SECOND EDITION



 WILEY-BLACKWELL

BASIC GUIDE TO DENTAL INSTRUMENTS

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Second Edition

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*To my dear husband, Padraig, and sweet daughter, Abigail,
for all of their love and support.*

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HOW TO USE THIS BOOK

As the dental profession evolves, there is an increasing demand for supplementary material that can keep up with advancing trends. ‘Hands on’ practical experience is essential for anyone in the dental profession, and this needs to be supplemented with written information to reinforce our practical experiences.

This illustrated manual has been prepared for students working and studying in the dental profession. It may be used as a study aid or kept in the dental surgery as a reference guide. This manual is intended to complement other methods of learning, i.e. textbooks, lecture notes, etc., and is not meant to be a comprehensive resource.

Because many dental instruments look similar, and can be confusing to a student, the ‘false friends’ sub-sections identify instruments that may resemble the particular instrument. This manual is not intended to be a complete representation of all dental instruments, but it does include examples from each dental discipline. As many dental instruments are multi-functional and are referred to by more than one name, where possible, these are given beside the name of the instrument. Complete set-ups have been included at the end of most sections for various procedures. The dental professional may have to modify these lists depending on the operator’s preference.

Each section is dedicated to a specific discipline or division of dentistry. Some instruments feature in many sections, and these have been included in the set-up sub-sections of the relevant sections. Infection control is a fundamental requirement in the dental surgery, and as such the first section is dedicated to this area. This section aims to introduce the principles of health and safety, which must always be at the forefront of a dental professional’s mind. Contact the legislative bodies for appropriate regulations and legislation relevant to your workplace.

The instruments in this guide are not to scale, and during photography some colours may have been altered.

SECTION 1

INFECTION CONTROL IN THE DENTAL SURGERY

It is the responsibility of the dental team to ensure that the appropriate and correct procedures are carried out in relation to infection control to protect the patients, the public and themselves.



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(a)



(c)



(b)

Figure 1.1

PROTECTIVE WEAR**FIGURE 1.1a, b, c****Name**

(a) Mask (b) Safety glasses (c) Face shields

Function, precautions and directions for use

- To protect the dental team from micro-organisms, debris, splatter and chemicals
- A mask is worn to protect the mucous membranes of the nose and mouth. It filters out small particles
 - Should always be changed between each patient or before if it is visibly soiled
 - Should be worn during patient care, sterilisation, disinfection, cleaning procedures and during laboratory work
- Safety glasses and/or face shields are worn to protect the mucous membranes of the eyes
 - Should be disinfected between patients
 - A face shield can be used instead of safety glasses, but a mask must still be worn
 - Should be large enough to cover the eye area completely and provide protection from the top and side. With some safety glasses additional top and side shields have to be added to be used for this purpose
 - Safety glasses are available to fit over prescription eye wear
 - Must be shatterproof

Varieties

Different types of masks and glasses available