



﴿ وَمَا أُوتِيتُمْ مِنَ الْعِلْمِ إِلَّا قَلِيلًا ﴾

(صدق الله العظيم)

Trauma of the Facial Skeleton

Dr. Zohair Haidar

Associate Professor

Oral & Maxillofacial Surgery

College of Dentistry



Issued by :

King Saud University Press

P.O.Box 2454 - Riyadh 11451 - Kingdom of Saudi Arabia

© King Saud University, 1997

First edition 1987

Second edition 1997

King Fahd National Library Cataloging-in-Publication Data

Haidar, Zohair

Trauma of the facial skelton - 2nd ed. - Riyadh

117 p., 17 x 24 cm

ISBN: 9960-05-563-9

1-Facial bones - Fractures 2 - Traumatology I-Title
617.156 dc 0888/18

Legal Deposit No. 0888/18

ISBN: 9960-05-563-9

King Saud University Press

Dedication

I wish to dedicate this book to my family, without whose support and understanding this book could not have been written.

Contents

	Page
Dedication	v
Foreword	ix
Preface to the Second Edition	XI
Preface to the First Edition	XIII
Acknowledgements	XV

Part I. Basic Information

1. Applied Surgical Anatomy	3
2. Radiology in Facial Trauma	11

Part II. Fractures of the Mandible

3. Aetiology	21
4. Classification	25
5. Clinical Examination	29
6. First Aid Treatment	37

7. Treatment	41
8. Fractures of the Edentulous Mandible	51
9. Fractures of the Condyle	63
10. Complications of Mandibular Fractures	69
 Part III. Fractures of the Middle Third of Facial Skeleton	
11. Classification	77
12. Fractures of the Zygomatic Complex	83
13. Le Fort Type of Fractures	97
14. Isolated Orbital Floor Fractures	107
15. Complications of Middle third Fractures	111
Bibliography	113
Index	115

Foreword

Writing a book on trauma of the facial skeleton needs great effort as the topic is of special importance to dental surgeons who work or aspire to work in centres that receive trauma patients. I would like, therefore, to congratulate the author for compiling such an informative book intended to assist dental students as well as dental practitioners with special interest in the topic of facial trauma.

This book has been divided into fifteen chapters dealing with different aspects of trauma that involves the mandible as well as the middle third of the facial skeleton. It is written in simple English and includes diagrams and pictures to simplify its contents as much as possible.

Fractures of the facial skeleton could occur as isolated cases or as part of multiple injuries affecting the whole body. In the later case, the attending oral surgeon will find himself part of a team that includes other medical specialists such as Orthopaedics, Plastic and General Surgeons. It is hoped, therefore, that the information included in this book will be useful, not only to the dental practitioner, but also to medical students and interns who deal with such cases.

This book is yet another contribution to the dental education of the University.

Dr. Saleh H. Al-Sulaimani

Ex-Dean, College of Dentistry
King Saud University

Preface to the Second Edition

Oral and maxillofacial surgery is that part of dentistry that deals with such a diversity of conditions and employs such a variety of operations for diagnosis and cure of oral diseases. Trauma is a major cause of facial injuries. It requires highly trained team who has technical skill and perservance to manage patients with facial trauma.

As I mentioned in the first edition, this book is intended mainly for dental students and junior oral surgery residents who are called upon to see and treat such cases. Therefore, no attempt is made to expand its scope or increase its size. It was felt, however, that some additions should be made to ensure a maximum benefit for the reader. A new chapter on first aid treatment for patients with facial injuries is added, as well as some new techniques that assist in the diagnosis of such injuries.

It is hoped that this edition will be as useful as the previous one.

Zohair Haider
Riyadh, 1418 A.H. (1997)

Preface to the First Edition

“Trauma of the Facial Skeleton” deals with the basic management of facial trauma cases, which have increased in number in the Kingdom of Saudi Arabia. This is mainly due to road accidents and, to a lesser degree, industrial accidents.

The incidence of facial trauma is high compared with injuries to other areas of the body. This is partly due to the fact that the face is particularly vulnerable and not well protected, and that many people do not take precautions (wearing seat belts, for instance) to lessen the effects of accidents.

Dental surgeons, especially those working in hospitals or accident centers, are frequently called upon to diagnose and treat facial injuries. They are expected to be able to treat such cases, therefore, it is essential that the management of facial trauma be taught to undergraduate students in this country.

It is hoped that dentists, who are aspiring to further training in the field of oral and maxillofacial surgery, will also find this book useful in their work.

Acknowledgements

I would like to express my sincere thanks and gratitude to Dr. Saleh H. Al-Sulaimani, Ex-Dean of the College of Dentistry, King Saud University and to Professor Aly Eloui Bastawi, Ex-Director of the College of Dentistry Research Center, King Saud University for their support and encouragement in writing this book.

I am grateful to Ms. Millet A. Rendon and Ms. Estrella Samaniego for their secretarial help. Also to Mr. Dick Ramilla and Mr. Rolly Raz Abanto for the photographic and art works included in this book.

Finally I must extend my thanks to the reviewer who made invaluable comments for the second edition, and to Ms. Corazon Alano for her secretarial help in the second edition.

Zohair Haidar