

THE MANDIBLE

AN ATLAS OF OSTEOLOGICAL AND
RADIOLOGICAL ANATOMY



Joe Iwanaga and R. Shane Tubbs

THE MANDIBLE

ABOUT THE AUTHORS



Joe Iwanaga, DDS, PhD, is an oral and maxillofacial surgeon and clinical anatomist. He is an Associate Professor of Neurosurgery and Neurology at Tulane University School of Medicine, New Orleans, Louisiana. He is also an Associate Professor of Anatomy and Dental and Oral Medical Center at Kurume University School of Medicine, Kurume, Fukuoka, Japan. He is the author of more than 400 articles in peer-reviewed journals. Dr. Iwanaga is a President of the Clinical Anatomy Research Association in Oral and Maxillofacial Surgery, Councilor-at-Large of the American Association of Clinical Anatomists, and Coordinator of the FIPAT Oral Anatomy Working Group of the International Federation of Associations of Anatomists. He is a Dental, Oral and Maxillofacial Section editor of the journal *Clinical Anatomy*.



R. Shane Tubbs, MS, PA-C, PhD is a clinical anatomist, author, editor, and researcher. He is Professor of Neurosurgery, Neurology, Surgery, and Structural & Cellular Biology at Tulane University School of Medicine, New Orleans, Louisiana. Dr. Tubbs is President-Elect of the American Association of Clinical Anatomists and serves as the Editor-in-Chief of the journal *Clinical Anatomy*. His h-index is 74 and in 2018, he was listed as a “hyperprolific author” in the journal *Nature*. He has also authored/edited over 50 books and is a section editor for the 41st and 42nd editions of *Gray’s Anatomy*.

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An Atlas of Osteological and Radiological Anatomy

By

JOE IWANAGA, DDS, PhD

*Department of Neurosurgery, Tulane Center for Clinical Neuroscience, Tulane
University School of Medicine, New Orleans, LA, USA*
*Department of Neurology, Tulane Center for Clinical Neuroscience, Tulane University
School of Medicine, New Orleans, LA, USA*
*Division of Gross and Clinical Anatomy, Department of Anatomy, Kurume University
School of Medicine, Kurume, Fukuoka, Japan*
*Dental and Oral Medical Center, Kurume University School of Medicine, Kurume,
Fukuoka, Japan*

and

R. SHANE TUBBS, PhD

Professor, Department of Neurosurgery
Professor, Department of Structural and Cellular Biology
Director of Surgical Anatomy, Tulane School of Medicine
Program Director of Anatomical Research, Clinical Neuroscience Research Center
Tulane University School of Medicine, New Orleans, LA



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PREFACE

This is an anatomical atlas focusing on the mandible—a first of its kind. The fine osteological and radiological anatomy involved in dental and oral surgery has progressed greatly in recent years, especially in the field of dental implants. In dental implant surgery, the maxilla and mandible are the operative fields. The frequent complications of dental implants on the maxilla are bleeding and iatrogenic maxillary sinusitis, but these are less likely to be life threatening injuries. However, dental implant surgery of the mandible can lead to serious complications such as mental nerve paresthesia and airway obstruction due to hematoma. Thus, knowledge of anatomical structures relevant to the mandible is significant.

In this theme, a number of atlases on the anatomy of the oral cavity, head and neck, and oral and maxillofacial regions have been published. However, when the dentist needs a comprehensive photographic review of the anatomy focusing on the mandible, including its well-described anatomy and rarely shown variations with both gross and radiological observations, there are only limited resources that are useful for surgery.

Therefore, our book is devoted to the osteological and radiological anatomy of the mandible for dentists, oral surgeons, and related researchers and health care providers. We believe that this book will satisfy the growing demand in this field of surgery, research and education.

J.I.
R.S.T.

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THE MANDIBLE

Chapter 1

OVERVIEW OF THE MANDIBLE

1.1: ANTERIOR VIEW

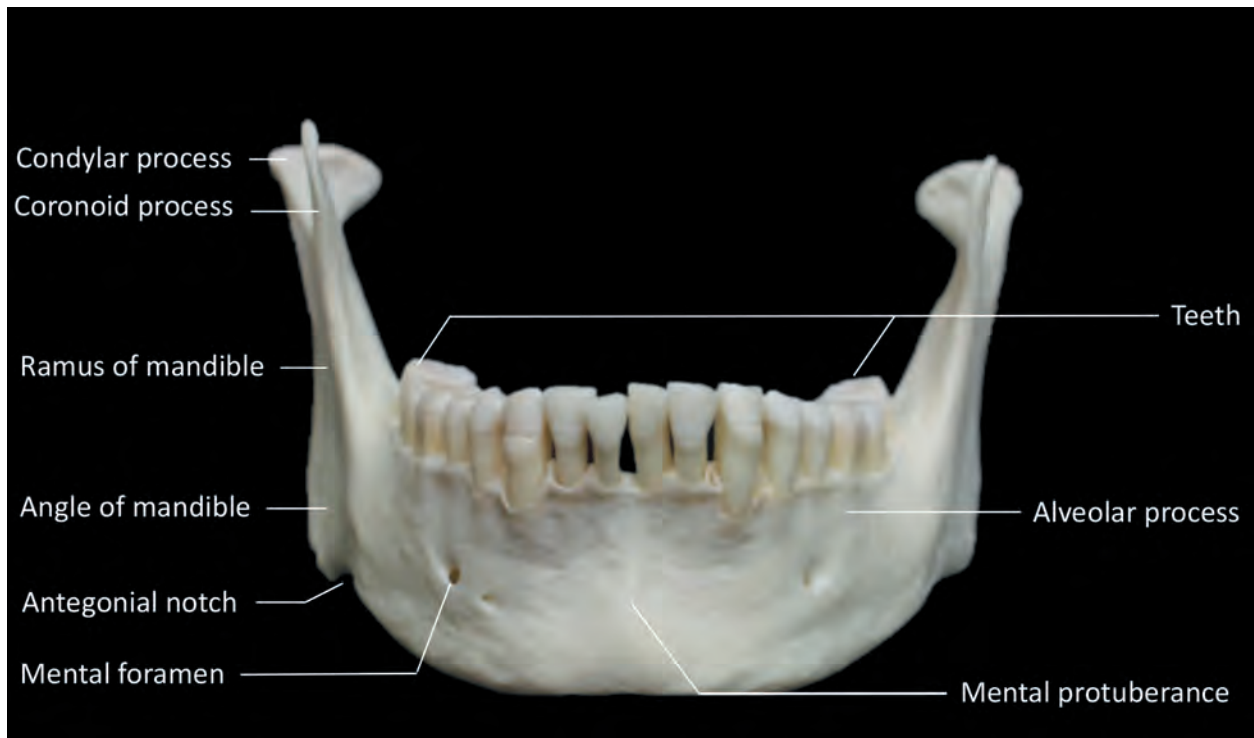


Plate 1.1.1.



Plate 1.1.2.

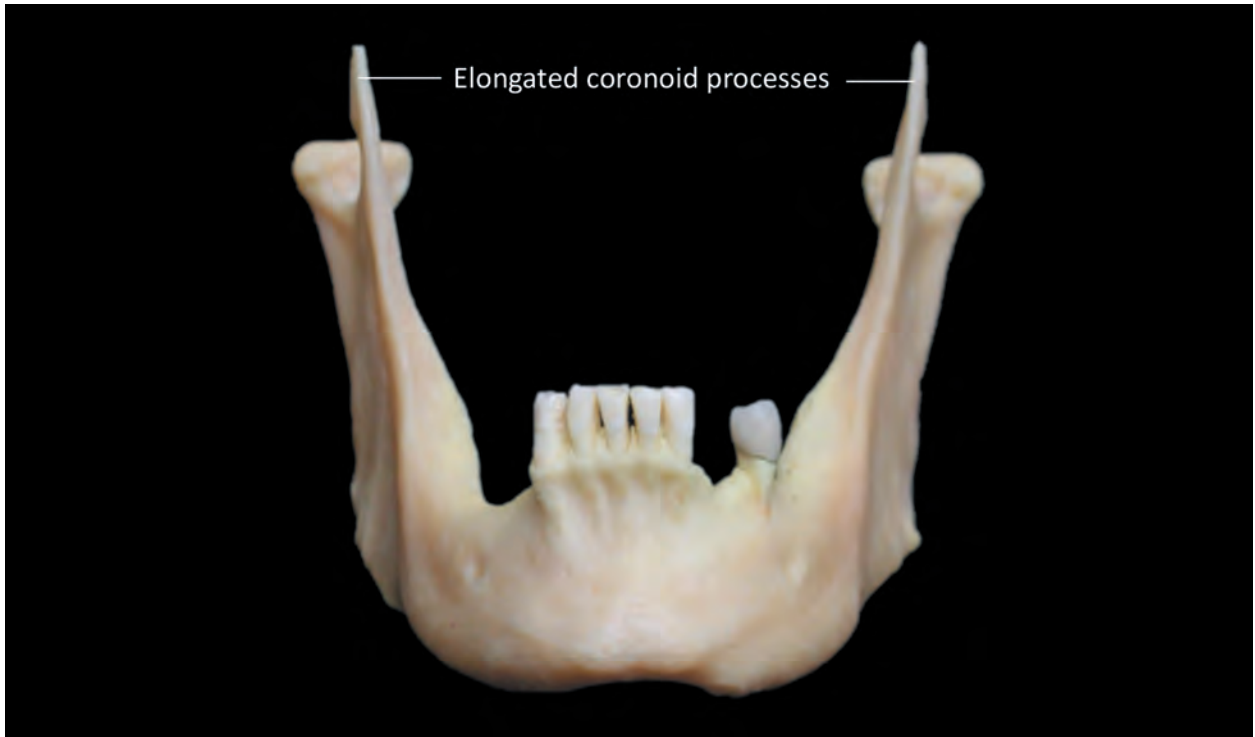


Plate 1.1.3.



Plate 1.1.4.



Plate 1.1.5.



Plate 1.1.6.