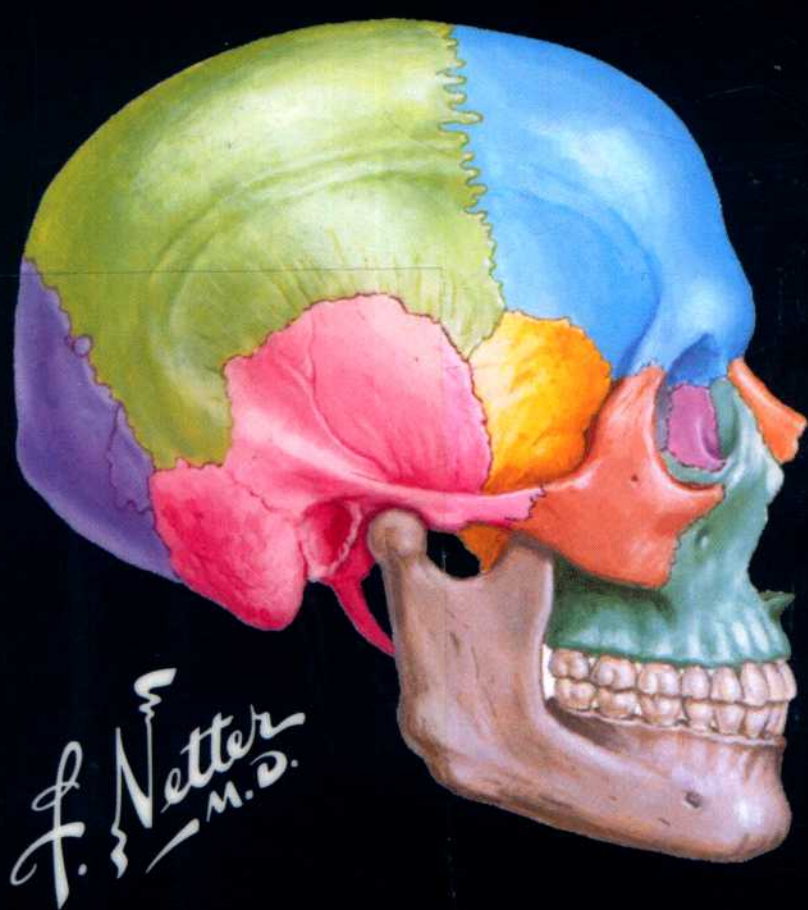


奈特解剖学手册

NETTER'S ANATOMY FLASH CARDS, 5E

第5版

影印版



NETTER

[美] JOHN T. HANSEN 主编

北京科学技术出版社

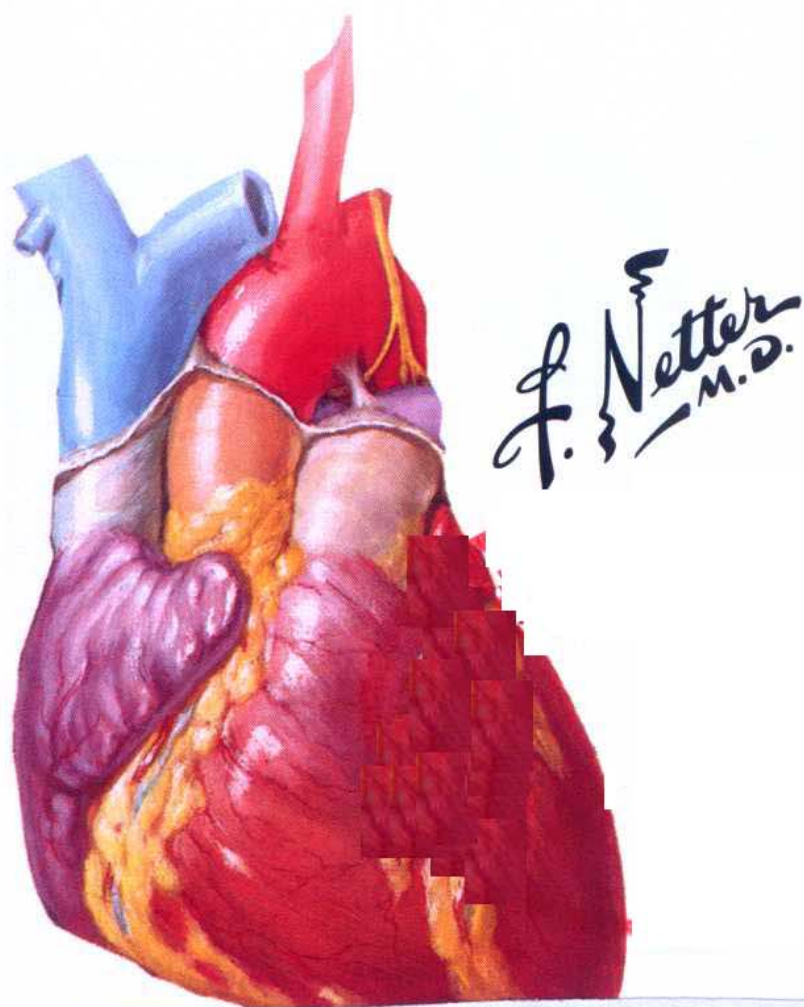


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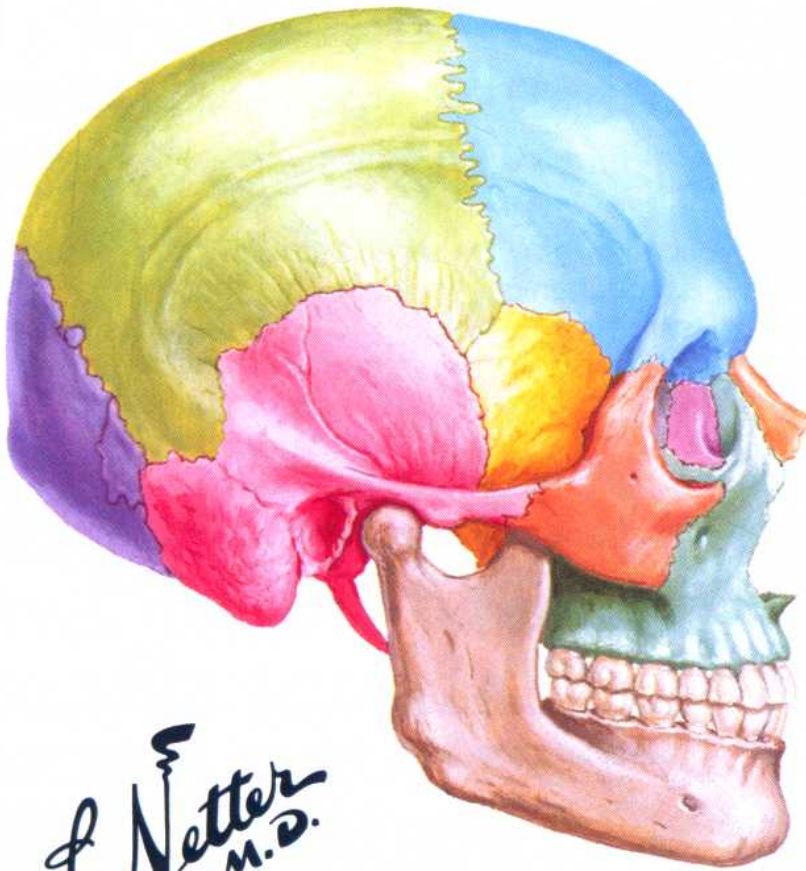


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NETTER'S ANATOMY FLASH CARDS

JOHN T. HANSEN



FIFTH EDITION



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前言

人体解剖学是一门迷人而复杂的学科，几乎每一个人都感兴趣。学习解剖学其实并不困难，也可以很快乐。本书就是以简单、系统和有趣的方式帮助你探索和记忆人体解剖学。它是一个可供随时随地学习的助手。

书中的图片来源于Netter博士绘制的著名的人体解剖学彩色图片。Netter插图受到赞赏并不仅因为其审美和质量，更重要的是其知识内容。他曾经写到：“插图的目的是说明一个主题。无论一个标本画的多美、多精致，如果没能有助于说明一个医学要点，其作为医学插图就毫无价值。”他的设计、理念和处理都体现在他的作品中，使得其更具知识价值。

这书虽然是便携的尺寸，但内容不仅包括肌肉骨骼系统，还回顾了重要神经、血管和内脏结构。每一幅图都详细描述了人体的解剖结构，这是只有Netter才能做到的。全书按照头部和颈部、背部和脊柱、胸部、腹部、骨盆和会阴、上肢、下肢分成几个区域。在每个区域内按如下顺序排列：骨骼和关节、肌肉、神经、血管和内脏。此外，每张图参考了最新的《Netter人体解剖学图谱》，在它的背面包含图片所示结构的相关信息，包括例如肌肉的起止、走行、动作和神经支配等详细信息。大多数还包含临床提示，突出正面所示解剖结构的临床相关性。

这本书的美国版本是以一组卡片的形式呈现的，而中国版本我们选择了回归书籍的形式。小开本不仅不损失它的便携性，同时让

你在想看到其他相关部分的内容时不用再去盒子里寻找相应的卡片。

现在大部分学校都开展了英语教学，同时临床上也对医学英语的要求越来越高。英文原版内容让你在学习解剖的同时，掌握原汁原味的医学英语。你可以和《奈特解剖涂色书》搭配使用，让枯燥难记的解剖变得更有活力。

最后希望你能够在医学的学习中获得知识和乐趣，让它们变成你将来医学职业生涯的助力。

Preface

Congratulations! You have just purchased the most popular and comprehensive set of anatomy flash cards available. *Netter's Anatomy Flash Cards* offer a unique learning resource to supplement the anatomy textbook, atlas, or dissection materials used in medical, dental, nursing, allied health, and undergraduate courses in human anatomy. This set of cards draws on the timeless medical illustrations of Frank H. Netter, MD, and includes not only the musculoskeletal system but also a review of important nerves, vessels, and visceral structures not commonly found in traditional flash card sets.

Each 4 × 6 full-color card details human anatomy as only Netter can. The set is organized regionally in accordance with Netter's widely popular *Atlas of Human Anatomy* (i.e., Head and Neck; Back and Spinal Cord; Thorax; Abdomen; Pelvis and Perineum; Upper Extremity; Lower Extremity). Within each region, cards are arranged sequentially as follows: Bones and Joints; Muscles; Nerves; Vessels; and Viscera. Body systems have been added to each card in the fifth edition to allow you to easily reorganize the set for your learning preference. Moreover, the image on each card is referenced to the original plate in the *Atlas of Human Anatomy*, seventh edition. Because each section opening card is slightly taller, you can easily pull out an entire section of cards for study. In addition, a corner of each card is prepunched so that you can insert it on the enclosed metal ring to keep an entire section of cards in the correct order.

Each card includes a **Comment** section, which provides relevant information about the structure(s) depicted on the front of the card, including detailed information for muscle origins, insertions, actions, and innervation. Most cards also contain a **Clinical** section that highlights the clinical relevance of the

anatomy depicted on the front of the card. Bonus online content is available at **www.studentconsult.com** using the scratch-off PIN code on the first card. Online content includes over 300 **multiple-choice questions** to test your retention of the material. These cards offer an accurate and ready source of anatomic information in an easy-to-use and portable format. Consensus regarding the specific anatomic details of such topics as muscle attachments or the range of motion of joints can vary considerably among anatomy textbooks. In fact, human anatomic variation is common and normal. Consequently, the anatomic detail provided on these cards represents commonly accepted information whenever possible. I am indebted to and wish to credit the following superb sources and their authors or editors:

Gray's Anatomy for Students, 3rd ed. Drake R, Vogl W, Mitchell A. Philadelphia, Elsevier, 2014.

Gray's Anatomy, 40th ed. Standring S. Philadelphia, Elsevier, 2008.

Netter's Clinical Anatomy, 4th ed. Hansen JT. Philadelphia, Elsevier, 2018.

Clinically Oriented Anatomy, 7th ed. Moore KL, Dalley DR, Agur AMR. Philadelphia, Lippincott Williams & Wilkins, 2014.

Grant's Atlas of Anatomy, 13th ed. Agur AMR, Dalley AF. Philadelphia, Lippincott Williams & Wilkins, 2013.

My hope is that the Netter Flash Cards will make learning more enjoyable and productive, and that the study of anatomy will inspire you with a sense of awe and respect for the human form.

John T. Hansen, PhD

Professor and Associate Dean

Department of Neuroscience

University of Rochester Medical Center

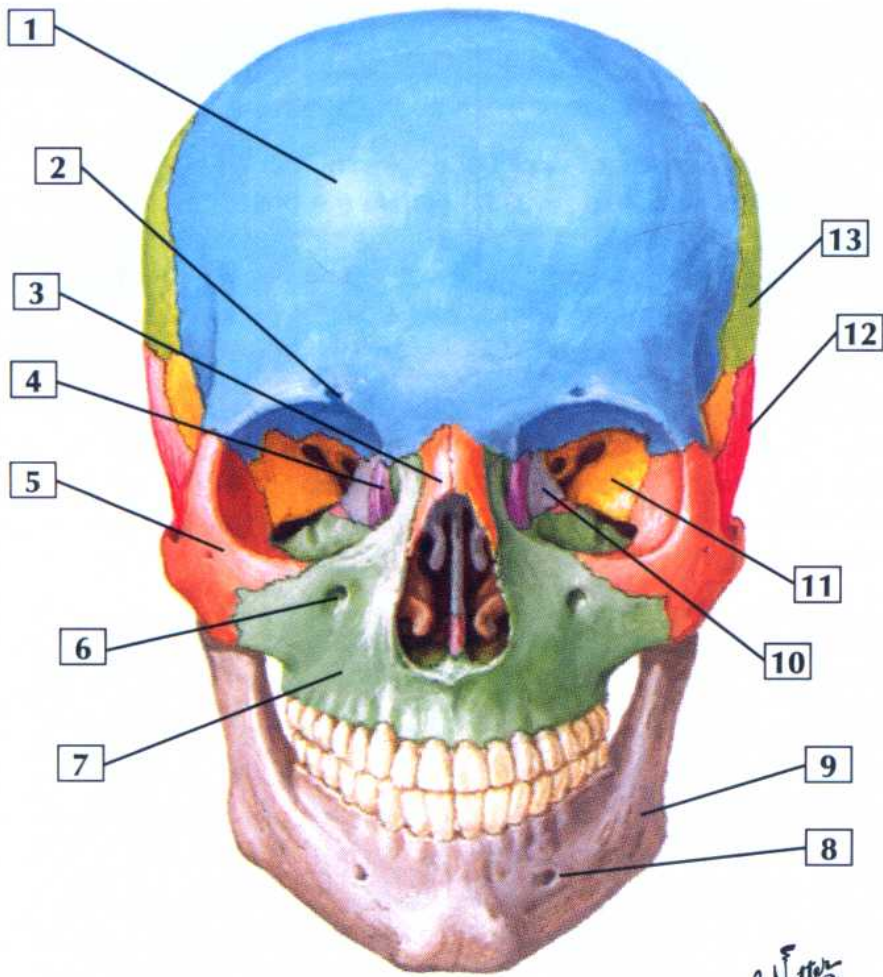
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本书使用说明

图片内容

Skull: Anterior View 005

页码



奈特本人
绘图标记

Head and Neck / Skeletal System

1-1

章节

Netter's Anatomy Flash Cards, 5th Edition

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006 **Skull: Anterior View**



- 1. Frontal bone
- 2. Supraorbital notch (foramen)
- 3. Nasal bone
- 4. Lacrimal bone
- 5. Zygomatic bone
- 6. Infraorbital foramen
- 7. Maxillary bone
- 8. Mental foramen
- 9. Mandible
- 10. Ethmoid bone (Orbital plate)
- 11. Sphenoid bone
- 12. Temporal bone
- 13. Parietal bone

解剖
名词

Comment: The bones of the neurocranium are fused together at immovable, fibrous joints, such as the sutures.

The 2 general classes of skull bones are the bones of the **neurocranium** (8 bones), which enclose the brain, and the facial bones (14 bones) (**viscerocranium**). The 8 bones of the neurocranium are the frontal, occipital, ethmoid, and sphenoid bones, a pair of temporal bones, and a pair of parietal bones. The general term **cranium** refers to the skeleton of the head.

解剖学
知识

Associated bones of the skull include the auditory ossicles (3 in each middle ear cavity) and the unpaired hyoid bone. The skull and associated bones constitute 29 different bones (the 32 adult teeth are part of the mandible and maxilla and are not counted separately).

Clinical: Midface fractures are classified clinically as Le Fort fractures:

- Le Fort I: horizontal fracture detaching the maxilla along the nasal floor
- Le Fort II: pyramidal fracture that includes both maxillae, nasal bones, infraorbital rims, and orbital floors
- Le Fort III: includes the Le Fort II fracture and both zygomatic bones; may cause airway obstruction, nasolacrimal obstruction, and cerebrospinal fluid (CSF) leakage

Netter's Anatomy Flash Cards, 5th Edition

Atlas Plate 11

临床相关知识

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对应《奈特人体解剖图谱》页码

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