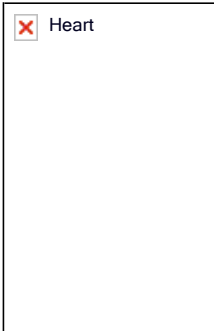


Gray's Anatomy



[Reference](#) > Anatomy of the Human Body



Anatomy—branch of biology concerned with

Anatomy of the Human Body

Henry Gray

The Bartleby.com edition of Gray's *Anatomy of the Human Body* features 1,247 vibrant engravings—many in color—from the classic 1918 publication, as well as a subject index with 13,000 entries ranging from the Antrum of Highmore to the Zonule of Zinn.

Search:

CONTENTS

- [Bibliographic Record](#)
- [Preface](#)
- [Illustrations](#)
- [Subject Index](#)

the study of body
structure of various
organisms, including
humans

TWENTIETH EDITION
THOROUGHLY REVISED AND RE-EDITED BY WARREN H. LEWIS
ILLUSTRATED WITH 1247 ENGRAVINGS

PHILADELPHIA: LEA & FEBIGER, 1918
NEW YORK: BARTLEBY.COM, 2000

[Introduction](#)
[Anatomical Bibliography](#)

I. Embryology

1. [The Animal Cell](#)
2. [The Ovum](#)
3. [The Spermatozoön](#)
4. [Fertilization of the Ovum](#)
5. [Segmentation of the Fertilized Ovum](#)
6. [The Neural Groove and Tube](#)
7. [The Notochord](#)
8. [The Primitive Segments](#)
9. [Separation of the Embryo](#)
10. [The Yolk-sac](#)
11. [Development of the Fetal Membranes and Placenta](#)
12. [The Branchial Region](#)
13. [Development of the Body Cavities](#)
14. [The Form of the Embryo at Different Stages of Its Growth](#)

Bibliography

II. Osteology

1. Introduction
2. Bone
3. The Vertebral Column
 - a. General Characteristics of a Vertebra
 1. The Cervical Vertebrae
 2. The Thoracic Vertebrae
 3. The Lumbar Vertebrae
 4. The Sacral and Coccygeal Vertebrae
 - b. The Vertebral Column as a Whole
4. The Thorax
 - a. The Sternum
 - b. The Ribs
 - c. The Costal Cartilages
5. The Skull
 - a. The Cranial Bones
 1. The Occipital Bone
 2. The Parietal Bone
 3. The Frontal Bone
 4. The Temporal Bone
 5. The Sphenoid Bone
 6. Ethmoid bone
 - b. The Facial Bones
 1. The Nasal Bones

2. [The Maxillæ \(Upper Jaw\)](#)
3. [The Lacrimal Bone](#)
4. [The Zygomatic Bone](#)
5. [The Palatine Bone](#)
6. [The Inferior Nasal Concha](#)
7. [The Vomer](#)
8. [The Mandible \(Lower Jaw\)](#)
9. [The Hyoid Bone](#)
- c. [The Exterior of the Skull](#)
- d. [The Interior of the Skull](#)
6. [The Extremities](#)
 - a. The Bones of the Upper Extremity
 1. [The Clavicle](#)
 2. [The Scapula](#)
 3. [The Humerus](#)
 4. [The Ulna](#)
 5. [The Radius](#)
 - b. The Hand
 1. [The Carpus](#)
 2. [The Metacarpus](#)
 3. [The Phalanges of the Hand](#)
 - c. The Bones of the Lower Extremity
 1. [The Hip Bone](#)
 2. [The Pelvis](#)
 3. [The Femur](#)
 4. [The Patella](#)
 5. [The Tibia](#)

6. [The Fibula](#)
- d. The Foot
 1. [The Tarsus](#)
 2. [The Metatarsus](#)
 3. [The Phalanges of the Foot](#)
 4. [Comparison of the Bones of the Hand and Foot](#)
 5. [The Sesamoid Bones](#)

III. Syndesmology

1. [Introduction](#)
2. [Development of the Joints](#)
3. [Classification of Joints](#)
4. [The Kind of Movement Admitted in Joints](#)
5. Articulations of the Trunk
 - a. [Articulations of the Vertebral Column](#)
 - b. [Articulation of the Atlas with the Epistropheus or Axis](#)
 - c. [Articulations of the Vertebral Column with the Cranium](#)
 - d. [Articulation of the Mandible](#)
 - e. [Costovertebral Articulations](#)
 - f. [Sternocostal Articulations](#)
 - g. [Articulation of the Manubrium and Body of the Sternum](#)
 - h. [Articulation of the Vertebral Column with the Pelvis](#)
 - i. [Articulations of the Pelvis](#)
6. Articulations of the Upper Extremity
 - a. [Sternoclavicular Articulation](#)

- b. [Acromioclavicular Articulation](#)
- c. [Humeral Articulation or Shoulder-joint](#)
- d. [Elbow-joint](#)
- e. [Radioulnar Articulation](#)
- f. [Radiocarpal Articulation or Wrist-joint](#)
- g. [Intercarpal Articulations](#)
- h. [Carpometacarpal Articulations](#)
- i. [Intermetacarpal Articulations](#)
- j. [Metacarpophalangeal Articulations](#)
- k. [Articulations of the Digits](#)
- 7. [Articulations of the Lower Extremity](#)
 - a. [Coxal Articulation or Hip-joint](#)
 - b. [The Knee-joint](#)
 - c. [Articulations between the Tibia and Fibula](#)
 - d. [Talocrural Articulation or Ankle-joint](#)
 - e. [Intertarsal Articulations](#)
 - f. [Tarsometatarsal Articulations](#)
 - g. [Intermetatarsal Articulations](#)
 - h. [Metatarsophalangeal Articulations](#)
 - i. [Articulations of the Digits](#)
 - j. [Arches of the Foot](#)

IV. Myology

- 1. [Mechanics of Muscle](#)
- 2. [Development of the Muscles](#)

3. [Tendons, Aponeuroses, and Fasciæ](#)
4. The Fasciæ and Muscles of the Head.
 - a. [The Muscles of the Scalp](#)
 - b. [The Muscles of the Eyelid](#)
 - c. [The Muscles of the Nose](#)
 - d. [The Muscles of the Mouth](#)
 - e. [The Muscles of Mastication](#)
5. The Fasciæ and Muscles of the Anterolateral Region of the Neck
 - a. [The Superficial Cervical Muscle](#)
 - b. [The Lateral Cervical Muscles](#)
 - c. [The Supra- and Infrahyoid Muscles](#)
 - d. [The Anterior Vertebral Muscles](#)
 - e. [The Lateral Vertebral Muscles](#)
6. The Fasciæ and Muscles of the Trunk
 - a. [The Deep Muscles of the Back](#)
 - b. [The Suboccipital Muscles](#)
 - c. [The Muscles of the Thorax](#)
 - d. [The Muscles and Fasciæ of the Abdomen](#)
 - e. [The Muscles and Fasciæ of the Pelvis](#)
 - f. [The Muscles and Fasciæ of the Perineum](#)
7. The Fascia and Muscles of the Upper Extremity
 - a. [The Muscles Connecting the Upper Extremity to the Vertebral Column](#)
 - b. [The Muscles Connecting the Upper Extremity to the Anterior and Lateral Thoracic Walls](#)
 - c. [The Muscles and Fasciæ of the Shoulder](#)

- d. [The Muscles and Fasciæ of the Arm](#)
- e. [The Muscles and Fasciæ of the Forearm](#)
- f. [The Muscles and Fasciæ of the Hand](#)
- 8. The Muscles and Fasciæ of the Lower Extremity.
 - a. [The Muscles and Fasciæ of the Iliac Region](#)
 - b. [The Muscles and Fasciæ of the Thigh](#)
 - c. [The Muscles and Fasciæ of the Leg](#)
 - d. [The Fasciæ Around the Ankle](#)
 - e. [The Muscles and Fasciæ of the Foot](#)

[Bibliography](#)

V. Angiology

- 1. [Introduction](#)
- 2. [The Blood](#)
- 3. [Development of the Vascular System](#)
- 4. [The Thoracic Cavity](#)
 - a. [The Pericardium](#)
 - b. [The Heart](#)
 - c. [Peculiarities in the Vascular System in the Fetus](#)

[Bibliography](#)

VI. The Arteries

- 1. [Introduction](#)

2. [The Aorta](#)
3. The Arteries of the Head and Neck
 - a. The Common Carotid Artery
 1. [Relations](#)
 2. [The External Carotid Artery](#)
 3. [The Triangles of the Neck](#)
 4. [The Internal Carotid Artery](#)
 - b. [The Arteries of the Brain](#)
4. The Arteries of the Upper Extremity
 - a. [The Subclavian Artery](#)
 - b. The Axilla
 1. [The Axillary Artery](#)
 2. [The Brachial Artery](#)
 3. [The Radial Artery](#)
 4. [The Ulnar Artery](#)
5. The Arteries of the Trunk
 - a. The Descending Aorta
 1. [The Thoracic Aorta](#)
 2. [The Abdominal Aorta](#)
 - b. The Common Iliac Arteries
 1. [The Hypogastric Artery](#)
 2. [The External Iliac Artery](#)
6. The Arteries of the Lower Extremity
 - a. [The Femoral Artery](#)
 - b. [The Popliteal Fossa](#)
 - c. [The Popliteal Artery](#)
 - d. [The Anterior Tibial Artery](#)

- e. [The Arteria Dorsalis Pedis](#)
- f. [The Posterior Tibial Artery](#)

Bibliography

VII. The Veins

1. [Introduction](#)
2. [The Pulmonary Veins](#)
3. The Systemic Veins
 - a. [The Veins of the Heart](#)
 - b. The Veins of the Head and Neck
 1. [The Veins of the Exterior of the Head and Face](#)
 2. [The Veins of the Neck](#)
 3. [The Diploic Veins](#)
 4. [The Veins of the Brain](#)
 5. [The Sinuses of the Dura Mater. Ophthalmic Veins and Emissary Veins](#)
 - c. [The Veins of the Upper Extremity and Thorax](#)
 - d. [The Veins of the Lower Extremity, Abdomen, and Pelvis](#)
4. [The Portal System of Veins](#)

VIII. The Lymphatic System

1. [Introduction](#)
2. [The Thoracic Duct](#)

3. [The Lymphatics of the Head, Face, and Neck](#)
4. [The Lymphatics of the Upper Extremity](#)
5. [The Lymphatics of the Lower Extremity](#)
6. [The Lymphatics of the Abdomen and Pelvis](#)
7. [The Lymphatic Vessels of the Thorax](#)

Bibliography

IX. Neurology

1. [Structure of the Nervous System](#)
2. [Development of the Nervous System](#)
3. [The Spinal Cord or Medulla Spinalis](#)
4. [The Brain or Encephalon](#)
 - a. [The Hind-brain or Rhombencephalon](#)
 - b. [The Mid-brain or Mesencephalon](#)
 - c. [The Fore-brain or Prosencephalon](#)
 - d. [Composition and Central Connections of the Spinal Nerves](#)
 - e. [Composition and Central Connections of the Spinal Nerves](#)
 - f. [Pathways from the Brain to the Spinal Cord](#)
 - g. [The Meninges of the Brain and Medulla Spinalis](#)
 - h. [The Cerebrospinal Fluid](#)
5. [The Cranial Nerves](#)
 - a. [The Olfactory Nerves](#)
 - b. [The Optic Nerve](#)
 - c. [The Oculomotor Nerve](#)
 - d. [The Trochlear Nerve](#)

- e. [The Trigeminal Nerve](#)
- f. [The Abducent Nerve](#)
- g. [The Facial Nerve](#)
- h. [The Acoustic Nerve](#)
- i. [The Glossopharyngeal Nerve](#)
- j. [The Vagus Nerve](#)
- k. [The Accessory Nerve](#)
- l. [The Hypoglossal Nerve](#)
- 6. [The Spinal Nerves](#)
 - a. [The Posterior Divisions](#)
 - b. [The Anterior Divisions](#)
 - c. [The Thoracic Nerves](#)
 - d. [The Lumbosacral Plexus](#)
 - e. [The Sacral and Coccygeal Nerves](#)
- 7. [The Sympathetic Nerves](#)
 - a. [The Cephalic Portion of the Sympathetic System](#)
 - b. [The Cervical Portion of the Sympathetic System](#)
 - c. [The Thoracic Portion of the Sympathetic System](#)
 - d. [The Abdominal Portion of the Sympathetic System](#)
 - e. [The Pelvic Portion of the Sympathetic System](#)
 - f. [The Great Plexuses of the Sympathetic System](#)

[Bibliography](#)

X. The Organs of the Senses and the Common Integument

1. The Peripheral Organs of the Special Senses
 - a. [The Organs of Taste](#)
 - b. [The Organ of Smell](#)
 - c. [The Organ of Sight](#)
 1. [The Tunics of the Eye](#)
 2. [The Refracting Media](#)
 3. [The Accessory Organs of the Eye](#)
 - d. [The Organ of Hearing](#)
 1. [The External Ear](#)
 2. [The Middle Ear or Tympanic Cavity](#)
 3. [The Auditory Ossicles](#)
 4. [The Internal Ear or Labyrinth](#)
 - e. [Peripheral Terminations of Nerves of General Sensations](#)
2. [The Common Integument](#)

XI. Splanchnology

1. [The Respiratory Apparatus](#)
 - a. [The Larynx](#)
 - b. [The Trachea and Bronchi](#)
 - c. [The Pleuræ](#)
 - d. [The Mediastinum](#)
 - e. [The Lungs](#)
2. [The Digestive Apparatus](#)
 - a. [The Mouth](#)
 - b. [The Fauces](#)

- c. [The Pharynx](#)
- d. [The Esophagus](#)
- e. [The Abdomen](#)
- f. [The Stomach](#)
- g. [The Small Intestine](#)
- h. [The Large Intestine](#)
- i. [The Liver](#)
- j. [The Pancreas](#)
- 3. The Urogenital Apparatus
 - a. [Development of the Urinary and Generative Organs](#)
 - b. The Urinary Organs
 - 1. [The Kidneys](#)
 - 2. [The Ureters](#)
 - 3. [The Urinary Bladder](#)
 - 4. [The Male Urethra](#)
 - 5. [The Female Urethra](#)
 - c. The Male Genital Organs
 - 1. [The Testes and their Coverings](#)
 - 2. [The Ductus Deferens](#)
 - 3. [The Vesiculæ Seminales](#)
 - 4. [The Ejaculatory Ducts](#)
 - 5. [The Penis](#)
 - 6. [The Prostate](#)
 - 7. [The Bulbourethral Glands](#)
 - d. [The Female Genital Organs](#)
 - 1. [The Ovaries](#)
 - 2. [The Uterine Tube](#)

3. [The Uterus](#)
4. [The Vagina](#)
5. [The External Organs](#)
6. [The Mammæ](#)
4. The Ductless Glands
 - a. [The Thyroid Gland](#)
 - b. [The Parathyroid Glands](#)
 - c. [The Thymus](#)
 - d. [The Hypophysis Cerebri](#)
 - e. [The Pineal Body](#)
 - f. [The Chromaphil and Cortical Systems](#)
 - g. [The Spleen](#)

XII. Surface Anatomy and Surface Markings

1. [Surface Anatomy of the Head and Neck](#)
2. [Surface Markings of Special Regions of the Head and Neck](#)
3. [Surface Anatomy of the Back](#)
4. [Surface Markings of the Back](#)
5. [Surface Anatomy of the Thorax](#)
6. [Surface Markings of the Thorax](#)
7. [Surface Anatomy of the Abdomen](#)
8. [Surface Markings of the Abdomen](#)
9. [Surface Anatomy of the Perineum](#)
10. [Surface Markings of the Perineum](#)
11. [Surface Anatomy of the Upper Extremity](#)

12. [Surface Markings of the Upper Extremity](#)
13. [Surface Anatomy of the Lower Extremity](#)
14. [Surface Markings of the Lower Extremity](#)

Loading

Click [here](#) to shop the [Bartleby Bookstore](#).

[Shakespeare](#) · [Bible](#) · [Saints](#) · [Anatomy](#) · [Harvard Classics](#) · [Lit. History](#) · [Quotations](#) · [Poetry](#)
© 2012 [Bartleby.com](#) · [\[Top 150\]](#)