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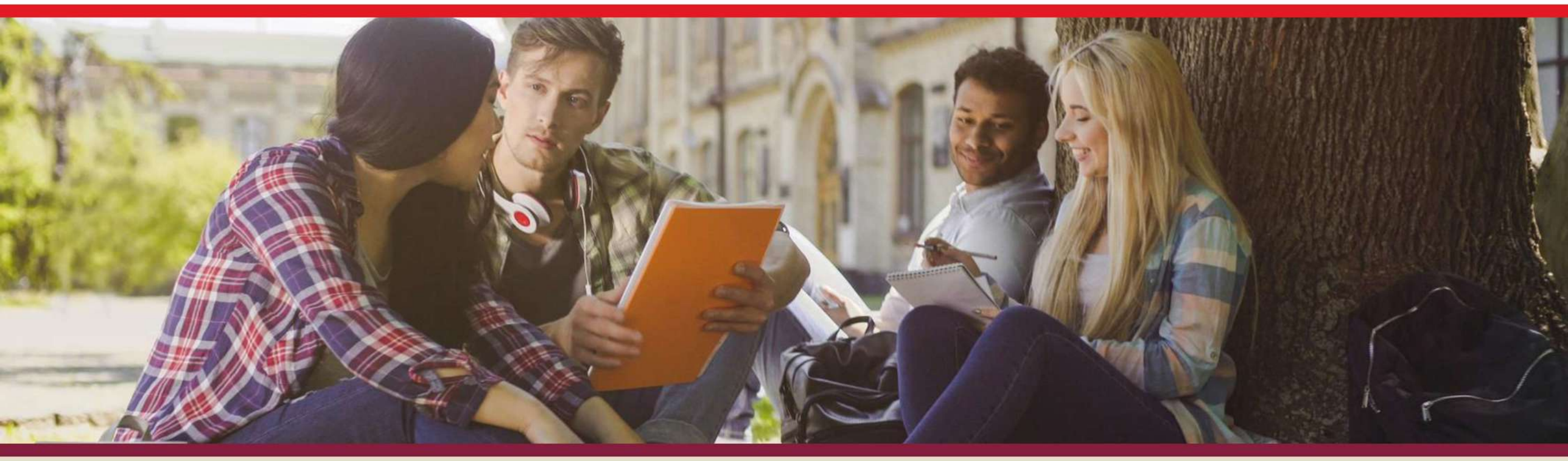

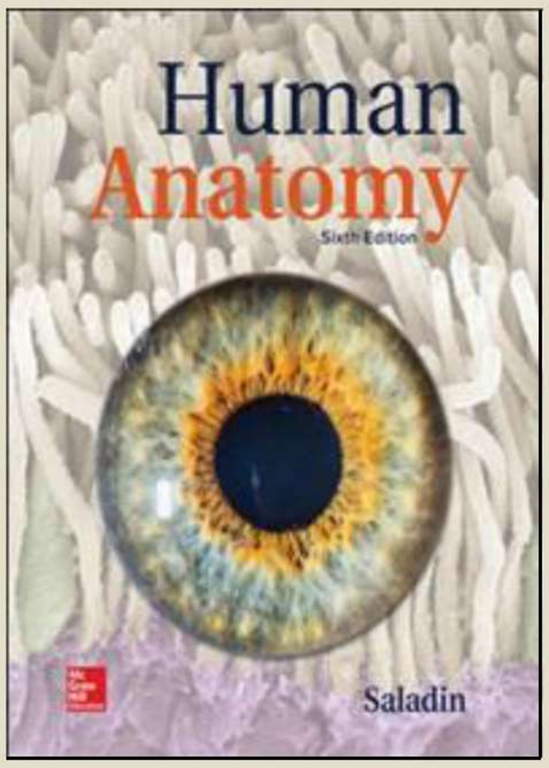

Human Anatomy

6th Edition

Kenneth Saladin

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From the most pedagogically sound organization to the exceptional art, to the integration of text with technology, Saladin has formed a teaching system that will both motivate and enable students to understand and appreciate the wonders of human anatomy. This distinctive text was developed to stand apart from all other anatomy texts with an approach borne out of more than 30 years of teaching, unparalleled art, and a writing style that has been acclaimed by reviewers. Designed for a one semester college anatomy course, Saladin requires no prior knowledge of chemistry or cell biology.

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Attending scientific conferences, subscribing to several scientific and medical journals, and engaging in online forums and answering public questions on anatomy, physiology, and health helps Ken Saladin stay abreast of advances in the field. In this edition, he introduces newly discovered functions of osteocytes, astrocytes, dendritic cells, the greater omentum, the corneal epithelium, and even eyelashes. He reports new research insights on peroxisome production, tracing white matter tracts
of the brain, and endocrine disruptors; new discoveries of cerebral lymphatics, pulmonary production of blood platelets, and adult hippocampal neurogenesis; and clinical advances in asthma and cancer mortality and survival, cord blood transplants, stem-cell harvesting, and regenerative medicine. These and more examples are listed chapter by chapter later in this section

In response to users and reviewers, the sixth edition has more concise treatments of gametogenesis, sperm capacitation, fertilization, aneuploidy, and embryology of the sense organs, cardiovascular system, and digestive tract. The muscle chapters are reorganized for better flow, with chapter 10 focusing on the cellular level; chapter 11 on whole-muscle organization, accessory connective tissues, musculoskeletal biomechanics, and the axial musculature; and chapter 12 on the appendicular musculature. Ken has also upgraded some of the book's pedagogic features. There are new, challenging thought questions, and the Study Guide section presents What's Wrong with These Statements ten statements that all have subtle errors, prompting students to identify what is wrong with them.

This 6th edition details enhancements to topics already in the previous edition, including new anatomical imaging techniques, ethnic variations in anatomy, osteon structure and microfractures, vascular aging and hypertension, the scope of the immune system, T cell selection, clinical importance of the cricothyroid ligament, colonic histology, photosensory effects on the pineal gland, musculoskeletal biomechanics, and more.

This edition includes new drawings of motor units, sectional anatomy of the head, hand innervation, the course of the vagus nerve, the pediatric auditory tube, lumbar puncture, epidermal histology, flat bone structure, gastric and colonic histology, the mechanical advantage of levers, and the spermatic cord. Always watching for opportunities to enhance topics with photos or to replace old photos with better ones, this edition has new photos of diabetic gangrene, rickets, shingles, endemic goiter, muscle histochemistry, rod and cone cell SEMs, an intravenous pyelogram, and ovulation.

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