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collaboration with ISAKOS. It will be invaluable for all with an interest in this area of medicine, which has already attained huge popularity in Orthopaedics and Sports Medicine and has also attracted the attention of the lay public. "Human anatomy and physiology is a

fascinating subject. Page 5/100

However, students can be overwhelmed by the complexity, the SUE interrelatedness of concepts from different chapters, and the massive amount of material in the course. Our goal was to create a textbook to guide students on a clearly written and expertly illustrated beginner's path through the human Page 6/100

body. An Integrative Approach One of the most daunting SSUE challenges that students face in mastering concepts in an anatomy and physiology course is integrating related content from numerous chapters. Understanding a topic like blood pressure, for example, requires knowledge from the chapters on the Page 7/100

heart, blood vessels, kidneys, and how these structures are regulated by the nervous and endocrine systems. The usefulness of a human anatomy and physiology text is dependent in part on how successfully it helps students integrate these related concepts. Without this, students are only acquiring what seems like unrelated Page 8/100

facts without seeing how they fit into the whole. To adequately explain such complex concepts to beginning students in our own classrooms, we as teachers present multiple topics over the course of many class periods, all the while balancing these detailed explanations with refreshers of content. Page 9/100

previously covered and intermittent glimpses of the big picture. Doing so ensures that students learn not only the individual pieces, but also how the pieces ultimately fit together. This book represents our best effort to replicate this teaching process. In fact, it is the effective integration of concepts throughout the text that Page 10/100

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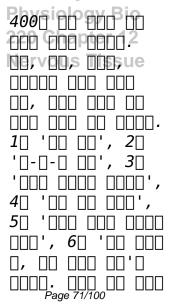
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