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Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	<p>Preface; Introduction: The Symbiotic Relationship Between Music and the Human Body; PART I WHAT IS THIS THING CALLED "ME"?; Chapter 1 Brief Overview of the Entire Human Body: Six Levels of Organization; Atomic scale: the human body is written in the key of "C" (carbon); Combinations of atoms: the molecular level of anatomical organization (musical "notes"); Cellular level of organization: the functional unit of life; Human body fluids and fluid distribution; Tissue level of organization: building an entire body; Organ level of anatomical organization</p> <p>System level of organization: "orchestrating" an entire living human beingA final thought; Chapter 2 The Living Engine/Instrument; An isothermal living engine; The alimentary (digestive) system; The respiratory system; The circulatory system; Anatomical exhaust systems; Major anatomical features of the renal-urological system; Some closing remarks; Chapter 3 The Mobile Engine/Instrument; Our optimized living engine; Levers and principles of leverage; Principles of balance and equilibrium; Chapter 4 The Digital Living Engine/Instrument</p> <p>The anatomical unit of information processing: the polarized neuronThe physiologic units of information processing: neurotransmitters; Anatomical features of the three nervous systems; Some closing remarks; Chapter 5 The Sentient Living</p>

Engine/Instrument; The sensory system; Various forms of energy, and the biological sensory receptors (ceptors) that respond to them; Sensory nerves; The special senses (exteroception); The general senses of extero and interoception; "Paw-to-jaw" reflexes, additional general senses, and "vital signs"

Chapter 6 The Responsive but Stationary Living

Engine/Instrument Stationarity; What the organism is responding to: the concepts of error signals and sensory integration; The elements of knowledge embedded in principles of physiologic information processing and sensory integration; Chapter 7 The Controlled Living

Engine/Instrument; Physiologic control signals; The endocrine system of ductless glands; The autonomic nervous system revisited; The immune system; Some closing remarks; PART II HOW DOES "ME"

WORK?; Chapter 8 The Motivated Living Engine/Instrument; Bad stress!; Sources of bad stress

Survival of the self: the enduring living engine/instrument Survival of the species: the perpetuating living engine/instrument; Survival of the "soul": the spiritual living engine/instrument; Chapter 9 The Anthropocentric Living Engine/Instrument; The human search for knowledge, and through it, truth, and power; Knowledge can empower one to fulfill the need to control one's own destiny; The human search for self, and through it, identity: will the real you please stand up?; The human search for relationships: the need to be validated

One's search for identity can be greatly enhanced by exploiting the human need for self-expression

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Sommario/riassunto

This clear and accessible book presents key information about the anatomy and physiology of the human body for the music therapist, focusing on areas of particular relevance to their practice. This information is vital for both music therapy students and practitioners.

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