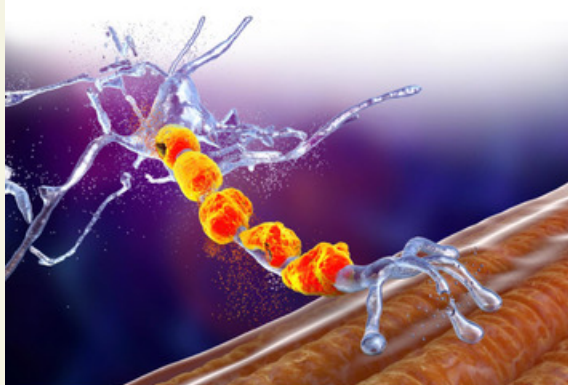


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Εργαστηριακός Οδηγός Ασκήσεων Φυσιολογίας του ανθρώπου



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Abstract

The present book is a manual that can be used as any human physiology textbook and includes exercises that cover most areas of the human body. In this textbook, the knowledge of how the systems of the human body work and their cooperation for homeostasis are included, as well as the basic principles of cellular physiology and beyond the organic systems of the human body that perform all necessary functions. Background information, which is needed to understand the principles and significance of each exercise, is also presented in a concise manner. The goal of the laboratory part is:

- The presentation of how to control the normal functioning of organs and systems of the human body.
- Familiarization with devices used for this purpose in everyday medical practice and interpretation of how to use them.
- Contact with the basic methodology used in experimental proof and research; the detailed description of the exercises,

as performed by the students in real conditions in the laboratory. · The description of exercises in individual basic fields from human body systems in areas such as: observation of cells and tissues under a microscope, exchange of substances, measurement of the concentration of substances in the blood, download vital signs, determination and interpretation of blood tests, measurement of pulse and blood pressure, transmission of information by electrical stimulation to the heart and skeletal muscle, as well as muscle contraction mechanisms, how respiration is controlled, ventilation and respiratory responses, sense of vision, effect of diet on homeostasis, etc. This textbook offers a comprehensive review of human physiology that will serve as a guide to every student / reader in their effort to understand the physiological functions of the human body and how to develop scientifically in their career later in life.