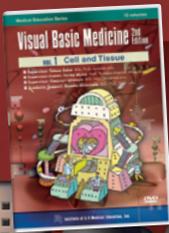


Visual Basic Medicine

2nd Edition



Using computer-generated images, realistic animations and actual photos, the "Visual Basic Medicine" series provides an easy-to-understand introduction to the major organ systems of the human body. Each volume includes:

- ★ Graphics and animations illustrating the anatomy, physiology, and pathology of each organ system (vol.1-13).
- ★ Navigation features that allow you to select the content topic chapter you wish to study.

■ **Supervisor (English): Hurley Myers**
Ph.D., Professor Emeritus, Southern Illinois Univ.

■ **Supervisor : Tatsuo Sakai**
MD, Ph.D., Juntendo Univ.

■ **Total: 13 volumes**
■ **1 DVD US\$ 320**
■ **13 DVD Set US\$ 4160**

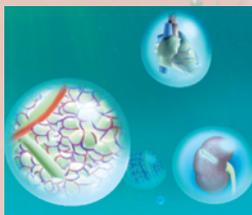


vol.1 Cell and Tissue

52min.

This program introduces the structure and mechanism of cells including those related to the function of cell membranes, mitochondria, and Golgi apparatus. It also examines cell division, tumors caused by irregular cell cycle, death of a cell, etc.

■ **Supervisor: Kazunori Ishimura** (MD, Ph.D., Tokushima Univ.)
■ **Academic Support: Masako Mitsumata** (MD, Ph.D., Nihon Univ.)

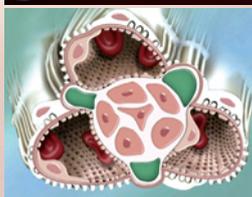


vol.2 Nervous System

51min.

This program explains the structure and function of both the central nervous system (including the cerebrum, cerebellum, and spinal cord) and the peripheral nervous system. It also examines the mechanism of transmission of information, the role of various types of nerve cells, automatic nervous system, etc.

■ **Supervisor: Yasushi Kobayashi** (MD, Ph.D., National Defense Medical College)
■ **Academic Support: Masako Mitsumata** (MD, Ph.D., Nihon Univ.)



vol.3 Circulatory System

55min.

This program examines the structure of the heart, heart beat, heart sounds, cardiac contractility, cardiac cycle, and heart failure. It also explores the role of arteries and veins, the lymphoid system, and various types of diseases related to the Circulatory System.

■ **Supervisor: Takao Okada** (MD, Ph.D., Juntendo Univ.)
■ **Academic Support: Masako Mitsumata** (MD, Ph.D., Nihon Univ.)



vol.4 Respiratory System

48min.

This program examines the structures of lung, respiratory tract, the exchange and transportation of blood gas, the pH scale control, and respiratory system disorders such as bronchitis and fibroid lung. It also looks at the structures and functions of pleural, respiratory muscles, and other abnormal respiratory patterns.

■ **Supervisor: Hideho Arita** (MD, Ph.D., Toho Univ.)
■ **Academic Support: Osamu Matsubara** (MD, Ph.D., National Defense Medical College)

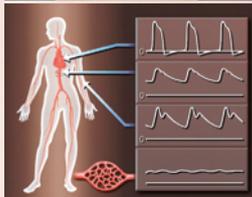


vol.5 Skeletal and Muscle System

44min.

This program describes types and structures of bones and discusses bone metabolism, fractures, kinds of arthritic, and bone abnormalities such as bone dislocation. It also covers the structure and functions of skeletal muscles, muscular contraction, electromyogram, etc.

■ **Supervisor: Keishoku Sakuraba** (MD, Ph.D., Juntendo Univ.)

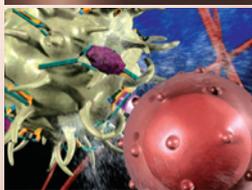


vol.6 Digestive System

50min.

This program illustrates the anatomy and workings of digestive system including oral cavity, esophagus, stomach, small and large intestine, liver, gallbladder, and pancreas. It also introduces tumor of digestive tract, hepatitis, cirrhosis, hepatoma, gallstones, and other digestive system diseases.

■ **Supervisor: Nobuhiro Sato** (MD, Ph.D., Professor Emeritus, Juntendo Univ.)
■ **Academic Support: Masahiko Sugitani** (MD, Ph.D., Professor, Nihon Univ.) / **Toshinori Oinuma** (MD, Ph.D., Nihon Univ.)



vol.7 Urinary System

37min.

This program explains the structural characteristics of the kidney, urinary tract, and the mechanisms of urine production. It also discusses how the kidney controls body fluid volume and blood pressure, and regulates acid-base balance. Kidney-related diseases, such as glomerulonephritis and diabetic nephropathy are described.

■ **Supervisor: Tatsuo Sakai** (MD, Ph.D., Juntendo Univ.)
■ **Academic Support: Hidekazu Shigematsu** (MD, Professor Emeritus, Shinshu Univ.)

vol.8 Reproductive System

52min.

This program explains the structures and functions of male and female genital organs and major illness such as prostatomegaly and ovarian tumor. It also examines the mechanisms and process of pregnancy, etc.

■ **Supervisor: Kiyotaka Toshimori** (MD, Ph.D., Chiba Univ.)
■ **Academic Support: Shinichi Teshima** (MD, Ph.D., Fraternity Memorial Hospital)

vol.9 Endocrine System

41min.

This program explains the structure and function of male and female genital organs and describes major illnesses of the reproductive system, such as enlarged prostate and ovarian tumor. It also examines the mechanism and process of pregnancy, etc.

■ **Supervisor: Kazunori Ishimura** (MD, Ph.D., Tokushima Univ.)
■ **Academic Support: Ryohei Kato** (MD, Ph.D., Univ. of Yamanashi)

vol.10 Blood

43min.

This program examines the structure and function of blood cell components (e.g. erythrocytes, leukocytes, and thrombocytes) and types of blood-related diseases, such as leukemia and hemophilia. It also discusses the roles of the many different components of plasma.

■ **Supervisor: Seiichi Kitagawa** (MD, Ph.D., Osaka City Univ.)

vol.11 Skin and Sensory System

42min.

This program explains the structures and functions of visual, olfactory, auditory, tactile, and gustatory organs. It also introduces various types of diseases related to sensory system such as color vision disorder, difficulty in hearing, and Meniere's disease.

■ **Supervisor: Tadashi Hisamitsu** (MD, PhD, Showa Univ.)

vol.12 Infection

42min.

This program illustrates the mechanisms of infection, types of pathogenic microbes and how to inspect them. It also describes how to prevent infection with sterilization, antibacterial drugs, etc.

■ **Supervisor: Jun Igari** (MD, Ph.D., Professor Emeritus, Juntendo Univ.)

vol.13 Immune System

42min.

This program explains the mechanisms associated with immune reactions and discusses various types of allergies. It also covers various aspects of autoimmune disorders and immunodeficiency. Using tuberculosis and vaccine as examples, it explains certain types of infections and their prevention.

■ **Supervisor: Toshio Hattori** (MD, Ph.D., Tohoku Univ.)

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(Click "English" on the right top for the English HP)

Upon your request, sample DVDs are available. ©2012

