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<tr>
<td><strong>01. Introduction to Anatomy and Physiology</strong></td>
<td>Series: Anatomy and Physiology: An Introduction</td>
<td>2011</td>
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<td>From the tiniest cells to the largest organ systems, the human body is a complex organism that is capable of both power and grace. When we think of a ballerina, we might conjure images of grace and fl...</td>
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| **02. Basic Chemistry and the Cellular Level of Organisation** | Series: Anatomy and Physiology: An Introduction | 2011 | E | 00:27:38 |
| In the human body there are three different types of chemical reactions which take place. This video resource introduces synthesis, decomposition and exchange, and explains how the body uses each of t... |

| **03. Tissues and the Integumentary System** | Series: Anatomy and Physiology: An Introduction | 2011 | E | 00:27:37 |
| The layers of our skin, its accessory organs and the underlying tissues are functional components of the human body. This video resource teaches about how the epidermis, the outer layer of the skin, i... |

| **04. The Skeletal System** | Series: Anatomy and Physiology: An Introduction | 2011 | E | 00:27:37 |
| Although the skeleton provides a framework for the body, it is hardly rigid. Bones are living tissues that actively contribute to maintaining homeostasis. Healthy bones are anything but dry or brittle... |

| **05. The Muscular System** | Series: Anatomy and Physiology: An Introduction | 2009 | E | 00:27:38 |
| When we think of muscles, we might conjure images of bulging biceps, flexing hip flexors, and taut triceps, but there are actually three types of muscle tissue in the human body. Our muscles not only... |

| **06. The Nervous System** | Series: Anatomy and Physiology: An Introduction | 2011 | E | 00:27:37 |
| This lesson provides a glimpse into the human neural network we call the nervous system. We can compare the nervous system to a highly complicated computer network. If we think of the brain as that ce... |

| **07. The Senses** | Series: Anatomy and Physiology: An Introduction | 2011 | E | 00:27:38 |
| Every day, our senses are barraged with sounds, images, and smells. We use our senses to receive, and in some cases filter out, all the sensory information that we encounter. But sensations go beyond... |

| **08. The Endocrine System** | Series: Anatomy and Physiology: An Introduction | 2011 | E | 00:27:37 |
| This video resource teaches about the different disorders of the endocrine system. The video resource covers the definition and diagnosis of Graves disease and Hashimoto's disease. It goes on to look... |

| **09. The Cardiovascular System** | Series: Anatomy and Physiology: An Introduction | 2011 | E | 00:27:37 |
| In this video resource, students will learn about Mitchell, a baby who is suffering from idiopathic cardiomyopathy, a heart condition with an unknown cause, which is likely to progress. Viewers will s... |

| In this video resource students will hear about how Bat saliva has been studied for its anti-clotting qualities, and how desmoteplase, the specific enzyme, is being used to help stroke patients. In th... |
11. The Respiratory System
Series: Anatomy and Physiology: An Introduction
In this video resource students will learn about internal respiration and external respiration. With clear explanations and graphics, students will see that internal respiration is the exchange of oxygen...
Body Systems
The human body relies on the coordinated activity of a number of body systems. This programme looks at the systems that deliver oxygen and nutrients to our tissues, and remove waste products such as c...

Cell Movement and Transport
Series: Visualising Cell Processes
MODULES: Structure and Behaviour of the Plasma Membrane, Osmosis, Transport Proteins, Phagocytosis, Pinocytosis, Receptor Mediated Endocytosis; Golgi Function; Lysosomes and Hydrolytic Digestion, Micr...

Cells and Molecules
Series: Visualising Cell Processes
MODULES: A Variety of Cells; Cell Organisation; Overview of Organic Molecules; Prokaryotic Cells; The Evolution of Eukaryotic Cells.

Central Venous Catheters
Catheters that have tip terminus in the superior vena cava are becoming more common in all areas of healthcare. The latest standards from the intravenous nurses association will be discussed and demon...

Confronting Epidemics: Three Case Studies
Series: Science Bank Series 2
This programme examines modern day epidemics, using three case studies from the late 20th and early 21st centuries including SARS, HIV-ÁIDS, and influenza.

Developing a Vaccine: Rotavirus
Series: Disease and Treatment
The rotavirus will infect every child by the age of five. The World Health Organisation recommends national immunisation programs against the virus, but what are the advantages and disadvantages? This...

Diabetes: What Is Diabetes?
Diabetes is one of the most common medical conditions of modern life and its effects can be devastating. In this programme we look at the definitions of type 1 and 2 diabetes, their effects on the bod...

Diet Related Disorders - Type 2 Diabetes, Obesity and Coeliac Disease
Around one in two people in Australia, the UK and the US are overweight. Knowledge of nutrition is integral to making healthy food choices. In this programme we examine three diet-related disorders, l...

Diffusion and Osmosis
Series: Modern Biology Series
Diffusion and osmosis in plants and animals. This is a key biological process. Molecular movement is in proportion to temperature. The tendency of molecules to move from areas of more molecular concentr...

Drug Use and Misuse
This programme explores the many issues relating to drugs and how they are used, misused or abused.

Drugs: Facts and Fiction
Drug use and abuse is something that is likely to affect most people at some point in their lives. But really just how harmful or harmless is drug use? Featuring case studies of two young adults who h...

Emerging Diseases: Prions, Viruses
An emerging disease is one that has appeared in a population for the first time, and a re-emerging disease is one that may have existed previously but is rapidly increasing in incidence or geographic...
End of Life
Helping a patient face the end of their life in a supportive way is one of the greatest challenges facing health care professionals. Yet getting it right can be a profoundly rewarding and enriching ex...

End of Life Care
Death is inevitable and a natural part of life, but for the patient this important time can be difficult for the dying person and also their family and close friends. Therefore a health professional's...

Epidemiology: Linking Smoking to Lung Cancer
Series: Epidemiology
Smoking’s role in lung cancer is not a simple cause-and-effect relationship. Using lung cancer as an example, this clip explores the critical role epidemiology plays in establishing the cause of a dis...

Euthanasia
Series: Medical Ethics
Euthanasia raises agonising moral questions. At the heart of the ethical and religious arguments over euthanasia are the different ideas that people have of the meaning and value of human existence, a...

Feels So Good... Hurts so Bad
Series: The Human Condition
Feels So Good...Hurts So Bad looks at how the use of alcohol and tobacco relates to disease, disability, and death. A recovering alcoholic and various experts in the field examine the potential damage...

Genetic Engineering
Series: Medical Ethics
Genetic engineering may be one of the greatest breakthroughs in recent history alongside the discovery of the atom and space flight; however, with considerable public concern surrounding this issue, t...

Homeostasis
Homeostasis is an important regulatory system that allows organisms to maintain internal stability and metabolic efficiency within variable external environments. Our bodies are constantly being subje...

Human Reproduction and Childbirth
Using animated graphics, this programme clearly and vividly illustrates the biological functions of the different parts of the male and female reproductive systems. It shows how millions of sperm race...

Improving Communications: Visual/Hearing Impaired Patients
This programme will focus on bringing out the strengths of these clients by assisting the care givers with practical ways to communicate and support the client.

In Focus: Functional Anatomy
This programme examines how our anatomy enables us to be physically active. The topic is split into: skeletal system, muscular system, respiratory system and circulatory system.

Infectious Diseases: Causes and Controls
This comprehensive two-part programme examines our knowledge of the causes and controls of infectious diseases. Part 1: Causes of infectious diseases. Disease agents. Disease transmission. Part 2: Co...
Although IVF has been around for over 30 years, it is still a matter of debate today for a variety of reasons. With IVF clinics, the ethical questions arise from the fact that new lives are being crea...
Stroke: Understanding the Disease
In some cases, stroke is a life-threatening medical emergency that leaves the victim with permanent disability. But for many stroke patients, there's a lot that can be done through quick medical atten...

The Bones of It: An Introduction to the Skeleton
This engaging and highly informative programme covers a wealth of key learning content relating to the skeletal system. Human bones provide the body with shape and make it possible for movement, prote...

The Immune Response
Other than swelling at a cut, and maybe some pus or a slight fever, we would be forgiven for not being aware of the existence of the human immune system. It is however a highly complex system, and whe...

The Trouble with Dying
After being diagnosed with late stage ovarian cancer, Cindy Cowan wants the right to choose how she is going to die. Linda Jarrett has suffered from multiple sclerosis for over 15 years. She is invest...

The Web of Addiction
Series: The Human Condition
Web of Addiction depicts drug addiction as an epidemic, affecting not only the health and well-being of users and their families, but also the society at large. Examines Outreach, Inc, in Atlanta, Geo...

The World of Bacteria
The programme explores the great variety of bacteria and the many diverse habitats in which they grow and interact with other organisms. Detailed microscopic images and diagrams show the fundamental d...

Treating Cancer: Radiation Therapy
Series: Disease and Treatment
How is it that radiation, one of the causes of cancer, can also be used to treat it? This clip looks at cancer, the risk factors, and with the assistance of radiation oncologist Shankar Siva, provides...

What is COPD?
COPD stands for Chronic Obstructive Pulmonary Disease, a group of five lung diseases (such as Asthma and Chronic Bronchitis) that limits the flow of air into and out of your lungs. This program is par...