

IMMUNOLOGY



DAY 1

Top USMLE Concepts in Immunology - Part 1

Total Duration: 1 hour, 52 minutes, 47 seconds (1:52:47)

- Introduction to Immunology for the USMLE (10:19)
- Innate Immunity (13:29)
- Mucosal Immunity (7:02)
- Respiratory Immunity (7:04)
- Salmonella Typhi (Micro Integration) (4:46)
- Anatomic Barriers (2:45)
- TLR & PAMPs (5:08)
- Phagocytes (2:51)
- Tuberculosis (Micro Integration) (18:46)
- NK Cells (2:23)
- MHC & HLA (3:03)
- +**- selection (6:02)
- MHC 1 vs. MHC 2 (9:28)
- Autoimmune Diseases (2:16)
- Addison's & Aldosterone Escape (11:17)
- Pernicious Anemia (2:45)
- Hashimoto's Thyroiditis (3:23)

DAY 2

Top USMLE Concepts in Immunology - Part 2

Total Duration: 2 hours, 16 minutes, and 16 seconds (2:16:16)

- Systemic Autoimmune Conditions (2:07)
- Organ System Specific Autoimmune Conditions (15:52)
- Acute Inflammation (3:50)
- Edema & Inflammation (14:12)
- Neutrophil Migration (5:54)
- Phagocytosis & ROS burst (8:51)
- Summary of Inflammation (6:19)
- Complications of Acute Inflammation (2:46)
- Wound Healing (7:28)
- Delayed Wound Healing (6:21)
- Spleen (10:11)
- Splenomegaly (4:58)
- Asplenia (4:09)
- BM & Thymus (5:52)
- Lymph Node (10:49)
- Intro to Lymph Drainage (4:55)
- Palpable Lymph Nodes (21:42)

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DAY 3

Top USMLE Concepts in Immunology - Part 3

Total Duration: 1 hour, 54 minutes, and 37 seconds (1:54:37)

- Deep Lymph Nodes (10:06)
- Adaptive Immune Response (5:16)
- TSST Integration (4:25)
- T cell Activation & Differentiation (7:49)
- B cell Activation & Ig (8:14)
- Immunodeficiencies (26:08)
- Complement Disorders (9:41)
- Introduction to Transplant Immunology (1:25)
- Hyperacute Transplant Rejection (1:58)
- Chronic Transplant Rejection (3:42)
- Acute Transplant Rejection (1:52)
- Graft Versus Host Disease (2:32)
- Cytokines for the USMLE (6:06)
- Eosinophilia (2:02)
- Vaccines (10:37)
- MHC (0:44)
- COVID & Live Vaccines (4:48)
- Immunoglobulins (5:56)
- Key Immunology Details (1:16)

DAY 4

HyGuru Immunology for the USMLE: Hypersensitivity

Total Duration: 1 hour, 11 minutes, 31 seconds (1:11:31)

- Type 1 Hypersensitivity (12:08)
- Asthma (3:59)
- Pharmacology Integration (7:48)
- Shock Integration (5:10)
- Type 2 Hypersensitivity (15:12)
- Endocrine Integration (2:59)
- Hematology Integration (7:57)
- Type 3 Hypersensitivity (8:08)
- Type 4 Hypersensitivity (5:10)
- General Pathology Integration (2:38)
- Summary (0:22)