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Humoral and cell mediated immunity worksheet

Allogeneic	Autologous	Both
<ul style="list-style-type: none">• Vitiligo• Thrombotic microangiopathy• Autoimmune hepatitis• Psoriatic arthritis• Antiphospholipid syndrome• Ulcerative colitis• Crohn's disease	<ul style="list-style-type: none">• Factor VIII inhibitor• Spondyloarthropathy• Rheumatoid arthritis• SLE	<ul style="list-style-type: none">• AIHA• Autoimmune thrombocytopenia• AITD• MG• Evans syndrome• IMN• Pulmonary sarcoidosis• Vasculitis

Quiz & Worksheet - Immune System & Immune Response

1. These proteins in your blood protect you against future attacks from antigens.

☐ Antispermatozoa

☐ Anticancer

☐ Antiviral

☐ Immune bodies

☐ Major T cells

2. This is another name for antibody-mediated immunity. It likely got its name because antibodies are present in the body fluids.

☐ Passive-mediated immunity

☐ Natural immunity

☐ Cell-mediated immunity

☐ Cellular immunity

☐ Immune-mediated immunity

3. This type of immunity involves special cells, like killer T cells, that rid the body of unwanted cells.

☐ Cellular immunity

☐ Natural immunity

☐ Antibody-mediated immunity

☐ Immunity

☐ Microscopic immunity

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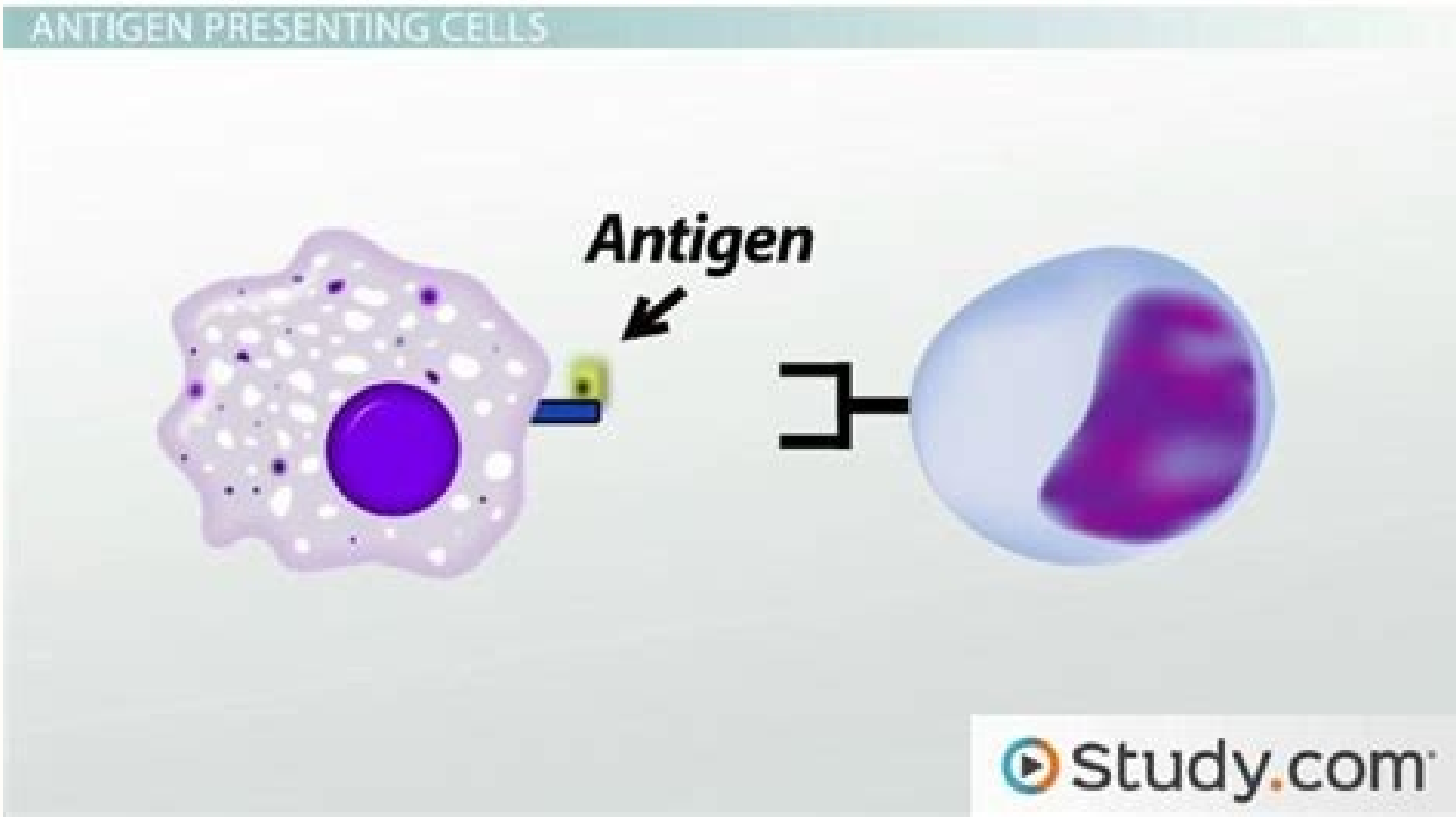
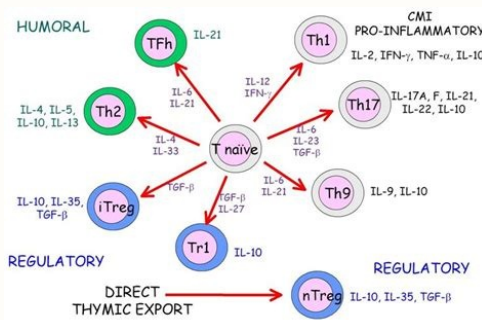
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- It is frequently detected in high conc. in systemic circulation after cpb.
- It is a potent stimulant of both complement and of endothelial cell activation.
- Precise mechanism of release is not clear but may derive from a translocation of bacteria from the gut resulting from sytemic stress of cpb.
- Endotoxin is associated with profound fall in svr after cpb.

Endotoxin



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Immunological response that does not involve antibodies immunity mediated by cells an immune response that does not involve antibodies. Instead, cell-mediated immunity is activation of phages, T-lymph-lymphocyte scytotoxic stonoses of amps, and the release of various cytokines in response to an anti-nion. At the end of the 19th century, the system of medicine of tradition Hypercrates, the immune system was imagined in two branches: humoral immunity, for which the function of protection of immunization can be found in the mood (laquido or serum without cells) and cellular immunity, for which the function of protection of immunization has been associated with cells. CD4 or auxiliary T cells provide protection against different pathogens. T Naive cells, which are immature T cells that have not yet found an anti-cell, are converted into activated effect cells or T cells after finding anti-cells (APC). These PCAs, such as macrobasgets, dendritic cells and B cell cells in some circumstances, carry anti-grade peptides in the largest histo-compatibility complex (MHC) of the cell, in turn presenting the peptide for receptors in T cell cells. Supposedly operating only to ingest and present antAgenos. [1] Activated T cells can be placed in three functional classes, detecting peptide sts from various types of pathogen. Cytotoxic T cells, that kill target cells infected by apoptosis without using cytokines, 2) Th1 cells, which work primarily to activate macrAphages, and 3) Th2 cells, which work primarily to stimulate B cells to produce antibodies. [1] In another ideology, the innate immune system and adaptive immune system each comprise humorous and cell-mediated components. [Necessary quote] Synopsis Cellular immunity protects the body From: Media-mediated immunity T or immunity by CA Squirting T: Squirters Activation T Specific Cytotoxic Antigares are capable of inducing apoptosis in cells of the body with epitopes of strange antAgeno in its surface, such as cell-s infected by cells, cells with intra-cellular cells, and cancer-cells with tumor antAgenes; action of natural and macro-phage deadly cells: allowing the destruction of pathogens through the recognition and secretion of cytotoxic grains (for natural cells)[2] and phagocytosis (for macrophages);[3] and stimulating cells to secrete a variety of cytokines that influence the function of other cells involved in adaptive immune responses and innate immune responses[2]. [3] Cell-mediated immunity is primarily directed at microphages that survive in phagocytes and microbials that infect non-phagic cells. It is most effective in the removal of cells infected with bacteria, but also participates in the defense against fungi, protozoans, cancers, and intra-cellular bacteria. It also an important role in the rejection of transplants. Type 1 immunity is directed primarily to birds, and protozoan sands and is responsible for activating macrAphages, transforming them into powerful cells of effect or cells. This achieved through secretion of gamma interfering and TNF. General vision CD4+ T helper cells can be differentiated into two main categories:[4] TH1 cells that produce gamma interfering and alpha h2 lymphotoxin that produce IL-4, IL-5, and IL-13 A third category called T helper 17 cells (TH17) were also discovered to bear the name of their secretion of Interleukin 17. CD8+ cytotoxic T cells can also be differentiated into two main categories:[4] Tc1 cells that produce IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-11, IL-12, IL-13, IL-14, IL-15, IL-16, IL-17, IL-18, IL-19, IL-20, IL-21, IL-22, IL-23, IL-24, IL-25, IL-26, IL-27, IL-28, IL-29, IL-30, IL-31, IL-32, IL-33, IL-34, IL-35, IL-36, IL-37, IL-38, IL-39, IL-40, IL-41, IL-42, IL-43, IL-44, IL-45, IL-46, IL-47, IL-48, IL-49, IL-50, IL-51, IL-52, IL-53, IL-54, IL-55, IL-56, IL-57, IL-58, IL-59, IL-60, IL-61, IL-62, IL-63, IL-64, IL-65, IL-66, IL-67, IL-68, IL-69, IL-70, IL-71, IL-72, IL-73, IL-74, IL-75, IL-76, IL-77, IL-78, IL-79, IL-80, IL-81, IL-82, IL-83, IL-84, IL-85, IL-86, IL-87, IL-88, IL-89, IL-90, IL-91, IL-92, IL-93, IL-94, IL-95, IL-96, IL-97, IL-98, IL-99, IL-100. [5] Type 1 immunity use the subset of type 1 for each of these types of dog. Squid. Pass the gamma interference sect and TNF, TH1, TC1 and 1 ILCS group activate macrophages, converting them into dogs. Squid with a powerful effect. It provides protection against bacteria. Intra-cellular, protozoa and viruses. Also m m Responsible for inflammation and autoimmunity with diseases such as rheumatoid arthritis, cellular sclerosis, and inflammatory bowel disease all are implicated in type 1 immunity. Type 1 immunity consists of these dogs. Squids:[4] Bread CD4+ TH1 CD8+ Cane cytotoxic T-cells (T1) T-Bet+ gamma interference produced by group 1 ILCS (dog) ILC1 and Natural Killer squid CD4+ TH1 squid It was found in rats and humans that the signature cytokine of these dogs squids gamma interferon and alpha lymph. The main cytokine for dog differentiation TH1 squid IL-12, that is produced by dog dendric cells in response to the of standard. T-bet a distinctive transcription factor of TH1 cells. TH1 are also characterize by the expression of chomotherapy receptors allow your movement to flash sites. The main chemokine receptors in these cells are CXCR3A and CCR5. Epithelial cells are able to recruit TH1 cells to infection views, releasing cxcl9, CXCL10 and CXCL11 cells in response to Interferon Gamma. In addition addition, the gamma interferon secreted by these cells seems to be important to reduce tight joints in the epithelial barrier. [4] Cells CD8 + TC1 These cells usually produce the gamma interferon. Interferon gamma and IL-12 promote differentiation in relationship to TC1 cells. The activation of Bets T Is for the potential interferon gamma and cytolitic. CCR5 and CXCR3 are the main chemokine receptors for this cell. [4] Group 1 ILCS 1 ILCS are characterized by the ability to produce gamma interferon, TNF, GM-CSF and IL-2 in response to cytokine stimulation, but have low or no cytotoxic capacity. [4] See also humoral immune immunity (vs. cell-mediated immunity) immunity references a b janeway, Charles; Travers, Paul; Walport, Mark; Shlomchik, Mark (2001). Immunobiology (5th ed.). New York: Garland Science. 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