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Nota di contenuto	Fundamentals T-Cell Lymphocyte Biology / Claudio Tripodo, Stefano Pilleri -- Mechanisms of T-Cell Lymphomagenesis / Francois Lemonnier, Philippe Gaulard, Laurence de Leval -- Epigenetics of T-Cell Lymphoma / H. Miles Prince, Jasmine Zain, Anas Younes, Sean Whittaker, Owen O'Connor, Sean Harrop -- Animal Models of T-Cell Lymphoma / Keiichiro Hattori, Raksha Shrestha, Tatsuhiro Sakamoto, Manabu Kusakabe, Mamiko Sakata-Yanagimoto -- The Geographic Distribution of the PTCL : Global Epidemiology / Amulya Yellala, Avyakta Kallam, James Armitage -- Classification of the Peripheral T-Cell Lymphomas / Neval Ozkaya, Elaine Jaffee -- Molecular Classification of the PTCLs / Tyler A. Herek, Javed Iqbal -- Peripheral T-Cell Lymphoma - Not Otherwise Specified / Nora Bennani, Stephen Ansell -- Angioimmunoblastic T-Cell Lymphoma (AITL) / Jehan Dupuis, Franck Morschhauser -- The Spectrum of Anaplastic Large Cell Lymphoma / Jianping Kong, Andrew Feldman -- HTLV-1-Positive Adult T-Cell Leukemia-Lymphoma (ATL) / Wataru Munakata, Kensei Tobinai -- Natural Killer/T Cell Lymphomas / S.J. Kim, R. Suzuki, A. Jaccard, S. T. Lim, Won Seog Kim -- T-Prolymphocytic Leukemia (T-PLL) / Dima El-Sharkawi, Claire Deardon -- Large Granular Lymphocytes Leukemia

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#### Sommario/riassunto

"The immune system can be classified into 2 basic components: (1) the innate immune system, and (2) the acquired immune system. The innate immune system is considered to be relatively agnostic to any specific antigen, and is often described as invariant. The innate immune response is the first line of defense, and typically exhibits limited specificity. Examples of innate immune response may include phagocytosis by macrophages, barriers to infection provided by the skin and tears, NK- and mast cells, and complement mediated cytotoxicity. In contrast, the adaptive (or sometimes called acquired) immune response develops in response to specific antigen, being 'custom' designed for the antigen in question, usually occurs later in the immune response, and has the ability to recall the response to past infections. Components of a functioning acquired immune response might involve antigen presenting cells presenting antigen to T-cells, the activation of specific T-cells which would signal to B-cells enlisting their engagement in the response and the production of highly specific antibody capable of binding specific antigen. T- and B- lymphocytes are the major types of lymphocytes found in the human body, where they can constitute 20-40% of all white blood cells, with only about 2-3% of these being found in the peripheral circulation, the remainder being localized to various lymphoid organs (lymph nodes, spleen, submucosal tissue). Remarkably, the total mass of lymphocytes in the body can approximate the mass of the brain and liver"--

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