

VII. REFERENCES

- Abbas AK, Lichtman AH, Pober JS. Cellular and molecular immunology. 2nd edition. Philadelphia: WB. Saunders, 1994: 3-12.
- Ajello L, Padhye AA, Sukroongreung S, Nilakul CH, Tantimavanic S. Occurrence of *Penicillium marneffe* infections among wild bamboo rats in Thailand. Mycopathol 1995; 1-8.
- Allan JS, Coligan JE, Barin F, McLane MF, Sodroski JG, Rosen CA, et al. Major glycoprotein antigens that induce antibodies in AIDS patients are encoded by HTLV-III. Science 1985; 228: 1091-4.
- Ameisen JC, Capron A. Cell dysfunction and depletion in AIDS: the programmed cell death hypothesis. Immunol Today 1991; 12: 102-5.
- Ammar A, Sahraoui Y, Tsapis A, Bertoli AM, Jasmin C, Georgoulis V. Human immunodeficiency virus-infected adherent cell-derived inhibitory factor (p29) inhibits normal T cell proliferation through decreased expression of high affinity interleukin-2 receptors and production of interleukin-2. J Clin Invest 1992; 90: 8-14.
- Antonen J, Krohn K. Interleukin-2 production in HTLV-III/LAV infection: evidence of defective antigen-induced but normal mitogen-induced IL-2 production. Clin Exp Immunol 1986; 65: 489-6.
- Böyum A. Isolation of mononuclear cells and granulocytes from human blood. Scan J Clin Lab Invest 1968; 21: 77.
- Capponi M, Sureau P, Segretain G. Penicilliose de *Rhizomys sinensis*. Bull Soc Pathol Exot 1956; 49: 418-21.
- Chan JKC, Tsang DNC. *Penicillium marneffe* infection: an update (correspondence). Am J Clin Pathol 1989; 92: 709.
- Chariyalertsak S, Vanittanakom P, Nelson KE, Sirisanthana T, Vanittanakom N. *Rhizomys sumatrensis* and *Cannomys Badius*, new natural animal hosts of *Penicillium marneffe*. J Med Vet Mycol 1996; 34: 105-10.

- Cehimi J, Starr SE, Frank I, D Andrea A, Ma X, MacGregor RR, et al. Impaired interleukin 12 production in human immunodeficiency virus-infected patients. *J Exp Med* 1994; 179: 1361-6.
- Chirmule N, Kalyanaraman VS, Oyaizu N, Slade HB, Pahwa S. Inhibition of functional properties of tetanus antigen-specific T-cell clones by envelope glycoprotein gp 120 of human immunodeficiency virus. *Blood* 1990; 75: 152-9.
- Clerici M, Via CS, Lucey DR, Roilides E, Pizzo PA, Shearer GM. Functional dichotomy of CD4⁺ T helper lymphocytes in asymptomatic human immunodeficiency virus infection. *Eur J Immunol* 1991; 21: 665-70.
- Clerici M, Giorgi JV, Chou CC, Gudeman VK, Zack JA, Gupta P, et al. Cell-mediated immune response to human immunodeficiency virus type 1 (HIV-1) in seronegative homosexual men with recent sexual exposure to HIV-1. *J Infect Dis* 1992; 165: 1012-9.
- Clerici M, Hakim FT, Venzon DJ, Blatt S, Hendrix CW, Wynn TA, et al. Changes in interleukin-2 and interleukin-4 production in asymptomatic HIV-seropositive individuals. *J Clin Invest* 1993; 91: 759-65.
- Clerici M, Shearer GM. A Th1--->Th2 switch is critical step in the etiology of HIV infection. *Immunol Today* 1993; 14: 107-10.
- Collette Y, Chang HL, Cerdan C, Chambost H, Algarte M, Mawas C, et al. Specific Th 1 cytokine down-regulation associated with primary clinically derived human immunodeficiency virus type 1 Nef gene-induced expression. *J Immunol* 1996; 156: 360-70.
- Davis BD, Dulbecco R, Eisen HN, Ginsberg HS. *Microbiology*, Harper and Row publishers, Inc., 4nd 1990; 319-62.
- de Martini RM, Turner RR, Formenti SC, Boone DC, Bishop PC, Levine AM, et al. Peripheral blood mononuclear cell abnormalities and their relationship to clinical course in homosexual men with HIV infection. *Clin Immunol Immunopathol* 1988; 46: 258-71.

- De Paoli P, Battistin S, Crovatto M, Modolo ML, Carbone A, Tirelli U, et al. Immunologic abnormalities related to antigenaemia during HIV-1 infection. *Clin Exp Immunol* 1988; 74: 317-20.
- de Wolf F, Lange JM, Houweling JT, Coutinho RA, Schellekens PT, van der Noordaa J, et al. Numbers of CD4⁺ cells and the levels of core antigens of and antibodies to the human immunodeficiency virus as predictors of AIDS among seropositive homosexual men. *J Infect Dis* 1988; 158: 615-22.
- Deng ZI, Connor DH. Progressive disseminated penicilliosis cause by *Penicillium marneffeii*: report of eight case and differentiation of the causative organism from *Histoplasma capsulatum*. *Am J Clin Pathol* 1985; 84: 323-7.
- Deng ZL, Yun M, Ajello L. Human penicilliosis marneffeii and its relation to the bamboo rat (*Rhizomys pruinosus*). *J Med Vet Mycol* 1986; 24: 383-9.
- Deng ZL, Ribas JL, Gibson DW, Connor DH. Infections caused by *Penicillium marneffeii* in China and Southeast Asia: review of eighteen published cases and report of four more Chinese cases. *Rev Infect Dis* 1988; 10: 640-52.
- Di Salvo AF, Fickling AM, Ajello L. Infection caused by *Penicillium marneffeii*: description of first natural infection in man. *Am J Clin Pathol* 1973; 60: 259-63.
- Donnelly RP, La Via MF, Tsang KY. Humoral-mediated suppression of interleukin-2 dependent target cell proliferation in acquired immune deficiency syndrome (AIDS); interference with normal IL-2 receptor expression. *Clin Exp Immunol* 1987; 68: 488-99.
- Drouhet E, Dupont B. Laboratory and clinical assesment of ketoconazole in deep-seated mycoses. *Am J Med* 1983; 74: 30-47.

- Drouhet E. Penicilliosis due to *Penicillium marneffei*: a new emerging systemic mycosis in AIDS patients travelling or living in Southeast Asia. *J Mycol Med* 1993; 4: 195-224.
- Durandy A, Fischer A, Le Deist F, Drouhet E, Griscelli C. Mannan-specific and mannan-induced T-cell suppressive activity in patient with chronic mucocutaneous candidiasis. *J Clin Immunol* 1987; 7: 400-9.
- Estaquier J, Idziorek T, Zou W, Emilie D, Farber CM, Bourez JM, et al. T helper type 1/T helper cytokines and T cell death: preventive effect of interleukin 12 on activation-induced and CD95 (FAS/APO-1) mediated apoptosis of CD4⁺ T cells from human immunodeficiency virus-infected persons. *J Exp Med* 1995; 182: 1759-67.
- Estrada JA, Stynen D, Van Cutsem J, Pierard Franchimont C, Pierard GE. Immunohistochemical identification of *Penicillium marneffei* by monoclonal antibody. *Intern J Dermatol* 1992; 31: 410-2.
- Gammon G, Chandler G, Depledge P, Elcock C. A fungal metabolite which inhibits the interaction of CD4 with major histocompatibility complex-encoded class II molecules. *Eur J Immunol* 1994; 24: 991-8.
- Genesca J, Wang RY, Alter HJ, Shih JW. Clinical correlation and genetic polymorphism of the human immunodeficiency virus proviral DNA obtained after polymerase chain reaction amplification. *J Infect Dis* 1990; 162: 1025-30.
- Germain RN. The ins and outs of antigen processing and presentation. *Nature* 1986; 322: 687-9.
- Gnann JW, Schwimbeck PL, Nelson JA, Truax AB, Oldstone MB. Diagnosis of AIDS by using a 12-amino acid peptide representing an immunodominant epitope of the human immunodeficiency virus. *J Infect Dis* 1987; 156: 261-7.

- Graziosi C, Pantaleo G, Gantt KR, Fortin JP, Demarest JF, Cohen OJ, et al. Lack of evidence for the dichotomy of Th1 and Th2 predominance in HIV-infected individuals. *Science* 1994; 265: 248-51.
- Greene WC. The molecular biology of human immunodeficiency virus type 1 infection. *N Engl J Med* 1991; 324: 308-17.
- Groux H, Torpier G, Monte D, Mouton Y, Capron A, Ameisen JC. Activation-induced death by apoptosis in CD4⁺ T cells from human immunodeficiency virus-infected asymptomatic individuals. *J Exp Med* 1992; 175: 331-40.
- Gupta S, Gillis S, Thornton M, Goldberg M. Autologous mixed lymphocyte reaction in man XIV. Deficiency of the autologous mixed lymphocyte reaction in acquired immune deficiency syndrome (AIDS) and AIDS related complex (ARC). *In vitro* effect of purified interleukin-1 and interleukin-2. *Clin Exp Immunol* 1984; 58: 395-401.
- Haseltine WA. Molecular biology of the human immunodeficiency virus type 1. *FASEB J* 1991; 5: 2349-60.
- Hilmarsdottir I, Meynard JL, Rogeaux O, Gueronprez G, Detry A, Katlama C, et al. Disseminated *Penicillium marneffe* infection associated with human immunodeficiency virus: a report of two cases and a review of 35 published cases. *J Acquir Immune Defic Syndr* 1993; 6: 466-71.
- Ho DD, Sarngadharan MG, Hirsch MS, Schooley RT, Rota TR, Kennedy RC, et al. Human immunodeficiency virus neutralizing antibodies recognize several conserved domains on the envelope glycoproteins. *J Virol* 1987; 61: 2024-8.
- Ho DD, Neumann AU, Perelson AS, Chen W, Leonard JM, Markowitz M. Rapid turnover of plasma virions and CD4 lymphocytes in HIV-1 infection. *Nature* 1995; 373: 123-6.

- Hofmann B, Lindhardt BO, Gerstoft J, Petersen CS, Platz P, Ryder LP, et al. Lymphocyte transformation response to pokeweed mitogen as a predictive marker for development of AIDS and AIDS related symptoms in homosexual men with HIV antibodies. *Br Med J Clin Res Ed* 1987; 295: 293-6.
- Hofmann B, Jakobsen KD, Odum N, Dickmeiss E, Platz P, Ryder LP, et al. HIV-induced immunodeficiency. Relatively preserved phytohemagglutinin as opposed to decreased pokeweed mitogen responses may be due to possibly preserved responses via CD2/phytohemagglutinin pathway. *J Immunol* 1989; 142: 1874-80.
- Hoxie JA, Alpers JD, Rackowski JL, Huebner K, Haggarty BS, Cedarbaum AJ, et al. Alterations in T4 (CD4) protein and mRNA synthesis in cells infected with HIV. *Science* 1986; 234: 1123-7.
- Hoy JF, Lewis DE, Miller GG. Functional versus phenotypic analysis of T cells in subjects seropositive for the human immunodeficiency virus: A prospective study of in vitro responses to *Cryptococcus neoformans*. *J Infect Dis* 1988; 158: 1071-8.
- Hsieh CS, Macatonia SF, Tripp CS. Development of Th1 CD4⁺ T cells through IL-12 produced by Leisteria-induced macrophages. *Science* 1993; 260: 547-9.
- Hulshof CMJ, Van Zanten RAA, Sluiters JF, van der Ende ME, Samson RS, Zonderuan PE, et al. *Penicillium marneffe* infection in an AIDS patients (letter). *Eur J Clin Microbiol Infect Dis* 1990; 9: 370.
- Imwidthaya P. Update of *Penicilliosis marneffe* in Thailand. *Mycopathol* 1994; 127: 135-7.
- Israel-Biet D, Ekwawanga M, Venet A, Even P, Andrieu JM. Serum suppressive activity of HIV seropositive patients. *Clin Exp Immunol* 1988; 74: 185-9.

- Jayanetra P, Nitiyanant P, Ajello L, Padhye AA, Lolekha S, Atichartakarn V, et al. Penicilliosis marneffei in Thailand: report of five human cases. *Am J Trop Med Hyg* 1984; 33: 637-44.
- Jones PD, See J. *Penicillium marneffei* in patients infected with human immunodeficiency virus: late presentation in an area of nonendemicity (Correspondence). *Clin Infect Dis* 1992; 15: 744.
- Karpas A, Hill F, Youle M, Cullen V, Gray J, Byron N, et al. Effects of passive immunization in patients with the acquired immunodeficiency syndrome-related complex and acquired immunodeficiency syndrome. *Proc Natl Acad Sci USA* 1988; 85: 9234-7.
- Kaufman L, Standard PG, Anderson SA, Jalbert M, Swisher BL. Development of specific fluorescent-antibody test for tissue form of *Penicillium marneffei*. *J Clin Microbiol* 1995; 33: 2136-8.
- Kekow J, Wachsman W, McCutchan JA, Cronin M, Carson DA, Lotz M. Transforming growth factor beta and noncytopathic mechanisms of immunodeficiency in human immunodeficiency virus infection. *Proc Natl Acad Sci USA* 1990; 87: 8321-5.
- Koenig S, Earl P, Powell D, Pantaleo G, Merli S, Moss B, et al. Group-specific major histocompatibility complex class I-restricted cytotoxic responses to human immunodeficiency virus 1 (HIV-1) envelope proteins by cloned peripheral blood T cells from an HIV-1-infected individual. *Proc Natl Acad Sci USA* 1988; 85: 8638-42.
- Koga Y, Sasaki M, Nakamura K, Kimura G, Nomoto K. Intracellular distribution of the envelope glycoprotein of human immunodeficiency virus and its role in the production of cytopathic effect in CD4⁺ and CD4⁻ human cell lines. *J Virol* 1990; 64: 4661-71.
- Lane HC, Masur H, Edgar LC, Whalen G, Rook AH, Fauci AS. Abnormalities of B cell activation and immunoregulation patients with the acquired immunodeficiency syndrome. *N Engl J Med* 1983; 309: 453-8.

- Lane HC, Depper JM, Greene WC, Whalen G, Waldmann TA, Fauci AS.
Qualitative analysis of immune function in patients with the acquired immunodeficiency syndrome: evidence for a selective defect in soluble antigen recognition. *N Engl J Med* 1985; 313: 79-84.
- Lasky LA, Groopman JE, Fennie CW, Benz PM, Capon DJ, Dowbenko DJ, et al. Neutralization of the AIDS retrovirus by antibodies to a recombinant envelope glycoprotein. *Science* 1986; 233: 209-12.
- Laurence J, Gottlieb AB, Kunkel HG. Soluble suppressor factors in patients with acquired immune deficiency syndrome and its prodrome: elaboration *in vitro* by T lymphocyte adherent cell interactions. *J Clin Invest* 1983; 72: 2072-81.
- Laurent AG, Krust B, Muller S, Riviere Y, Rey Cuille MA, Bechet JM, et al. The cytopathic effect of HIV is associated with apoptosis. *Virology* 1991; 185: 829-39.
- Li JC, Pan LQ, Wu SX. Mycologic investigation on *Rhizomys pruinosus senex* in Guangxi as natural carrier with *Penicillium marneffeii*. *Clin Med J* 1989; 102: 477-85.
- Lundgren B, Kovacs JA, Nelson NN, Stock F, Martinez A, Gill VJ.
○ *Pneumocystis carinii* and specific fungi have a common epitope, identified by a monoclonal antibody. *J Clin Microbiol* 1992; 30: 391-5.
- Maggi E, Mazzetti M, Ravina A, Annunziato F, de Carli M, Piccinni MP, et al. Ability of HIV to promote a Th1 to Th0 shift and to replicate preferentially in Th2 and Th0 cells. *Science* 1994; 265: 244-8.
- Mann DL, Lasane F, Popovic M, Auther LO, Robey WG, Blattner WA, et al. HTLV-III large envelope protein (gp120) suppresses PHA-induced lymphocyte blastogenesis. *J Immunol* 1987; 138: 2640-4.

- Margolick JB, Volkman DJ, Lane HC, Fauci AS. Clonal analysis of T lymphocytes in the acquired immunodeficiency syndrome: evidence for an abnormality affecting individual helper and suppressor T cells. *J Clin Invest* 1985; 76: 709-15.
- Matsushita S, Robert-Guroff M, Rusche J, Koito A, Hattori T, Hoshino H, et al. Characterization of a human immunodeficiency virus neutralizing monoclonal antibody and mapping of the neutralizing epitope. *J Virol* 1988; 62: 2107-14.
- McDougal JS, Kennedy MS, Sligh JM, Cort SP, Mawle A, Nicholson JK. Binding of HTLV-III/LAV to T4⁺ T cells by a complex of the 110 K viral protein and the T4 molecule. *Science* 1986; 231: 382-5.
- Mekaprateep M. Immunoblot analysis of extracellular proteins secreted from mold and yeast forms of *Penicillium marneffeii* [Thesis]-Chiang Mai: Chiang Mai University, 1995.
- Meyaard LH, Schuitemaker H, Miedema F. T-cell dysfunction in HIV infection: anergy due to defective antigen presenting cell function? *Immunol Today* 1993; 14: 161-4.
- Nixon DF, Townsend AR, Elvin JG, Rizza CR, Gallway J, McMichael AJ. HIV-1 gag-specific cytotoxic T lymphocytes defined with recombinant vaccinia virus and synthetic peptides. *Nature* 1988; 336: 484-7.
- Pan LZ, Cheng-Mayer C, Levy JA. Patterns of antibody response in individuals infected with the human immunodeficiency virus. *J Infect Dis* 1987; 155: 626-32.
- Pautler Kb, Pathye AA, Ajello L. Import penicilliosis marneffeii in the United States: report of a second human infection. *Sabouraudia. J Med Vet Mycol* 1984; 29: 433-8.

- Pauza CD, Galindo JE, Richman DD. Reinfection results in accumulation of unintegrated viral DNA in cytopathic and persistent human immunodeficiency virus type 1 infection of CEM cells. *J Exp Med* 1990; 172: 1035-42.
- Peto TE, Bull R, Millard PR, Mackenzie DW, Campbell CK, Haines ME, et al. Systemic mycosis due to *Penicillium marneffei* in a patient with antibody to human immunodeficiency virus. *J Infect* 1988; 16: 285-90.
- Piehl MR, Kaplan RL, Harber MH. Disseminated penicillosis in a patient with acquired immunodeficiency syndrome. *Arch Pathol Lab Med* 1988; 112: 1262-4.
- Pierard GE, Estrada JA, Pierard-Franchimont C, Thiry A, Stynen D. Immunohistochemical expression of galactomannan in the cytoplasm of phagocytic cells during invasive aspergillosis. *Am J Clin Pathol* 1991; 96: 373-6.
- Poli G, Fauci AS. The effect of cytokine and pharmacological agents on chronic HIV-infection. *AIDS Res Human Retrov* 1992; 8: 191-5.
- Prince HE, John JK. Abnormalities of interleukin-2 receptor expression associated with decreased antigen-induced lymphocytes proliferation in patients with AIDS and related disorders. *Clin Exp Immunol* 1987; 67: 59-65.
- Putney SD, Matthews TJ, Robey WG, Lynn DL, Robert Guroff M, Mueller WT, et al. HTLV-III/LAV-neutralizing antibodies to an *E. coli*-produced fragment of the virus envelope. *Science* 1986; 234: 1392-5.
- Romagnani S, Maggi E. Th1 versus Th2 responses in AIDS. *Curr Opin Immunol* 1994; 4: 616-22.
- Rook AH, Masur H, Lane HC, Frederick W, Kasahara T, Macher AM, et al. Interleukin-2 enhances the depressed natural killer and cytomegalovirus-specific cytotoxic activities of lymphocytes from patients with the acquired immune deficiency syndrome. *J Clin Invest* 1983; 72: 398-403.

- Rosenberg ZF, Fauci AS. The immunopathogenesis of HIV infection. *Adv Immunol* 1989; 47: 377-431.
- Sathapatayavongs B, Damrongkitchaiporn S, Saengditha P, Kiatboonsri S, Janyanetra P. Disseminated penicilliosis associated with HIV infection. *J Infect* 1989; 19: 84-5.
- Schnittman SM, Greenhouse JJ, Psallidopoulos MC, Baseler M, Salzman NP, Fauci AS, et al. Increasing viral burden in CD4⁺ T cells from patients with human immunodeficiency virus (HIV) infection reflects rapidly progressive immunosuppression and clinical disease. *Ann Intern Med* 1990; 113: 438-43.
- Schnittman SM, Lane HC, Greenhouse J, Justement JS, Baseler M, Fauci AS. Preferential infection of CD4⁺ memory T cells by human immunodeficiency virus type 1: evidence for a role in the selective T-cell functional defects observed in infected individuals. *Proc Natl Acad Sci USA* 1990; 87: 6058-62.
- Segretain G. *Penicillium marneffei* n. sp., agent d' une mycose du systeme reticulo-endothelial. *Mycopathol. Mycol Appl* 1959; 11: 327-53.
- Sei Y, Tsan PH, Roboz JP, Sarin PS, Wallace JI, Bekesi JG. Neutralizing antibodies as a prognostic indicator in the progression of acquired immune deficiency syndrome (AIDS)-related disorders: a double-blind study. *J Clin Immunol* 1985; 8: 464-72.
- Sekhon AS, Li JSK, Gary AK. Penicilliosis marneffei: serological and exoantigen studies. *Mycopathol* 1982; 77: 51-7.
- Sekhon AS, Garg AK, Padhye AA, Standard PG, Kaufman L, Ajello L. Antigenic relationship of *Penicillium marneffei* to *P. primulinum*. *J Med Vet Mycol* 1989; 27: 105-12.

- Sekhon AS, Padhye AA, Garg AK, et al. *In vitro* susceptibility of mycelial and yeast forms of *Penicillium marneffei* to amphotericin B (AmB), fluconazole (FLU), 5-fluorocytosine (5-FC) and itraconazole (ITZ). In: Fungal dimorphism. 4th Symposium on topics in Mycology September 1-4, 1992: University of Cambridge UK Organized by H. Vanden Bossche, F. Odds, D. Kerridge, Abstract. p41, p248.
- Sethi KK, Naher H, Stroehmann I. Phenotypic heterogeneity of cerebrospinal fluid-derived HIV-specific and HLA-restricted cytotoxic T cell clones. *Nature* 1988; 335: 178-81.
- Shearer GM, Bernstein DC, Tung KS, Via CS, Redfield R, Salahuddin SZ, et al. A model for the selective loss of major histocompatibility complex self-restricted T cell immune responses during the development of acquired immunodeficiency syndrome (AIDS). *J Immunol* 1986; 137: 2514-21.
- Shearer GM, Schmitt-Verhulst AM. Major histocompatibility complex restricted cell-mediated immunity. *Adv Immunol* 1977; 25: 55-91.
- Siegel JP, Djeu JY, Stocks NI, Masur H, Gelmann EP, Quinnan GV Jr, et al. Sera from patients with the acquired immunodeficiency syndrome inhibit production of interleukin-2 by normal lymphocytes. *J Clin Invest* 1985; 75: 1957-64.
- Simmonds P, Balfe P, Peutherer JF, Ludlarn CA, Bishp JO, Brown AJ. Human immunodeficiency virus-infected individuals contain provirus in small numbers of peripheral mononuclear cells and at low copy numbers. *J Virol* 1990; 64: 864-72.
- Sirisanthana V, Sirisanthana T. *Penicillium marneffei* infection in children infected with human immunodeficiency virus. *Pediatr Infect Dis J* 1993; 12: 1021-5.

- Skinner MA, Langlois AJ, McDanal CB, McDougal JS, Bolognesi DP, Matthews TJ. Neutralizing antibodies to an immunodominant envelope sequence do not prevent gp120 binding to CD4. *J Virol* 1988; 62: 4195-200.
- So SY, Chau PY, Jones BM, Wu PC, Pun KK, Lam WK, et al. A case of invasive penicilliosis in Hong Kong with immunologic evaluation. *Am Rev Respir Dis* 1985; 131: 662-5.
- Sundqvist VA, Linde A, Kurth R, Werner A, Helm EB, Popovic M, et al. Restricted IgG subclass responses to HTLV-III/LAV and to cytomegalovirus in patients with AIDS and lymphadenopathy syndrome. *J Infect Dis* 1986; 153: 970-3.
- Supparatpinyo K. *Penicilliosis marneffei*: Report of three cases from Maharaj Nakorn Chiang Mai. *Chiang Mai Med Bull* 1990; 29: 27-32.
- Supparatpinyo K, Chiewchanvit S, Hirunsri P, Uthammachai C, Nelson KE, Sirisanthana T. *Penicillium marneffei* infection in patients infected with human immunodeficiency virus. *Clin Infect Dis* 1992; 14: 871-4.
- Supparatpinyo K, Nelson KE, Merz WG, Breslin BJ, Cooper CR Jr, Kamwan C, et al. Response to antifungal therapy by human immunodeficiency virus-infected patients with disseminated *Penicillium marneffei* infections and *in vitro* susceptibilities of isolates from clinical specimens. *Antimicrob Agents Chemother* 1993; 37: 2407-11.
- Supparatpinyo K, Khamwan C, Baosoung V, Nelson KE, Sirisanthana T. Disseminated *Penicillium marneffei* infection in Southeast Asia. *Lancet* 1994; 344: 110-3.
- Tanphichitra D, Srimuang S. Cellular immunity (T-cell subset using monoclonal antibody) in tuberculosis, melioidosis, pasteurellosis, penicilliosis, and role of levamisole and isoprinosine (Intern. Symposium on monoclonal antibodies: standardization of their characterization and use. Paris, France, 1983). *Develop Biol Standard* 1984; 57: 117-23.

- Townsend AR, Rothbard J, Gotch FM, Bahadur G, Wraith D, McMichael AJ. The epitopes of influenza nucleoprotein recognized by cytotoxic T lymphocytes can be defined with short synthetic peptides. *Cell* 1986; 44: 959-68.
- Tsubota H, Lord CI, Walkins DI, Morimoto C, Letvin NL. A cytotoxic T lymphocyte inhibits acquired immunodeficiency syndrome virus replication in peripheral blood lymphocytes. *J Exp Med* 1989; 169: 1421-34.
- Van Cutsem J, Meulemans L, Van Gerven F, Stynen D. Detection of circulating galactomannan by Pastorex Aspergillus in experimental invasive aspergillosis. *Mycoses* 1990; 33: 61-9.
- Van Cutsem J, Van Gerven F. Active antifongique in vitro de l'itraconazole sur les champignons filamenteux opportunistes. Traitement de la keratomycose et de la penicilliose experimentales. *J Mycol Med* 1991; 1: 10-5.
- Van Noesel CJ, Gruters RA, Terpstra FG, Schellekens PT, van-Lier RA, Miedema F. Functional and phenotypic evidence for a selective loss of memory T cells in asymptomatic HIV-infected men. *J Clin Invest* 1990; 86: 293-9.
- Varmus H. Retroviruses. *Science* 1988; 240:1427-1435.
- Via CS, Tsokos GC, Stocks NI, Clerici M, Shearer GM. Human in vitro allogeneic response. Demonstration of three pathways of T helper cell activation. *J Immunol* 1990; 144: 2524-8.
- Vithayasai P, Vithayasai V. HIV infection in clinical practice. Bangkok: Support The Children Foundation, 1992: 1-7.
- Vithayasai P, Vithayasai V. Clinical manifestations of 174 AIDS cases in Maharaj Nakorn Chiang Mai Hospital. *J Dermatol* 1993; 20: 389-93.

- Vithayasai P, Vithayasai V. Atlas of HIV infection. Bangkok: Support The Children Foundation, 1994: 9-40.
- Viviani MA, Tortorano AM, Rizzardini G, Quirino T, Kaufman L, Padhye AA, et al. Treatment and serological studies on an Italian case of penicilliosis *marneffeii* contracted in Thailand by a drug addict infected with the human immunodeficiency virus. *Eur J Epidemiol* 1993; 9: 79-85.
- Walker CM, Moody DJ, Stites DP, Levy JA. CD8⁺ lymphocytes can control HIV infection *in vitro* by suppressing virus replication. *Science* 1986; 234: 1563-6.
- Wei X, Ghosh SK, Taylor ME, Johnson VA, Emini EA, Deutsch P, et al. Viral dynamics in human immunodeficiency virus type 1 infection. *Nature* 1995; 373: 117-22.
- Weinhold KJ, Lyerly HK, Stanley SD, Austin AA, Matthews TJ, Bolognesi DP. HIV-1 GP120-mediated immune suppression and lymphocyte destruction in the absence of viral infection. *J Immunol* 1989; 142: 3091-7.
- Weiss RA, Clapham PR, Cheingsong-Popov R, Dalgleish AG, Carne CA, Weller IV. Neutralization of human T-lymphotropic virus type III by sera of AIDS and AIDS-risk patients. *Nature* 1985; 316: 69-72.
- Winkelstein A, Kingsley LA, Klein RS, Lyter DW, Evans TL, Rinaldo CR, et al. Defective T-cell colony formation and IL-2 receptor expression at all stages of HIV infection. *Clin Exp Immunol* 1988; 71: 417-22.
- Yuen K, Wong SS, Tsang DN, Chan P. Serodiagnosis of *Penicillium marneffeii* infection. *Lancet* 1994; 344: 444-5.