

DAFTAR PUSTAKA

- Afonso, J. P., Tomimori, J., Michalany, N. S., Nonogaki, S., Porro, A. M. 2012. Pruritic papular eruption and eosinophilic folliculitis associated with human immunodeficiency virus (HIV) infection: A histopathological and immunohistochemical comparative study. *J Am Acad Dermatol*, 67: 269–275.
- Aires, J. M., Rosatelli, J. B., Castro, Â. F. De Castro Figueiredo J.F. 2000. Cytokines in the pruritic papular eruption of HIV. *Int J Dermatol*, 39:903–906.
- Akdeniz, M., Gabriel, S., Lichterfeld-Kottner, A., Blume-Peytapi, U., Kottner, J. 2018. Transepidermal water loss in healthy adults: a systematic review and meta-analysis update. *Br J Dermatol*, 179:1049-1055.
- Alexander, H., Brown S., Danby S., Floht C. 2018. Research techniques made simple : Transepidermal Water Loss measurement as a research tool. *J Invest Dermatol*, 138:2295–2300.
- Antonov, D., Schliemann, S., & Elsner, P. 2016. Methods for the assessment of barrier function. *Curr Probl Dermatol*, 49:61–70.
- Arista A., Murtiastutik, D. 2015. Studi Retrospektif: Karakteristik Papular pruritic eruption (PPE) pada pasien HIV /AIDS. *BIKK*, 7:204–210.
- Bason, M. M., Berger, T.G., Nesbitt, L.T. Jr. 1993. Pruritic papular eruption of HIV-disease. *Int J Dermatol*, 32:784–789.
- Berardescal, E. 1997. EEMCO guidance for the assessment of stratum comeurn hydration: electrical methods. *Skin Res Technol*, 3:126–132.
- Boonchai, W., Laohasrisakul R., Manonukul, J., Kulthanan, K. 1999. Pruritic papular eruption in HIV seropositive patients: a cutaneous marker for immunosuppression. *Int J Dermatol*, 8:348-350.
- Budavari, J., Grayson, W. 2007. Papular follicular eruption in human immunodeficiency virus-positive patient in South Africa. *Int J Dermatol*, 46:706–710.
- Chua, S. L., Amerson, E. H., Leslie, K. S., McCalmont, T. H., Leboit, P. E., Martin, J. N., Bangsberg, D., Maurer, T. A. 2014. Factors associated with pruritic papular eruption of human immunodeficiency virus infection in the antiretroviral therapy era. *Br J Dermatol*, 170:832-839.

- Clausen, M., Agner, T., Thomsen, S. F. 2015. Skin barrier dysfunction and the atopic march. *Curr Treat Options Allergy*, 2:218–227.
- Clarys, P., Barel, A. O. 2015. Measurement of Skin Surface Hydration. In: Humbert, P., Fanian, F., Maibach, H., Agache, P., Editor, *Measuring the Skin*. Springer International Publishing, Switzerland, pp. 1-4.
- Colebunders, R., Mann, J. M., Francis, H., Bila, K., Izaley, L., Kakonde, N., Hood, A. F., Quinn, T. C., Gigase, P., Marck, E. 1987. Generalized papular pruritic eruptions in African patients with HIV infection. *AIDS*, 1:117-121.
- Constantin, M., Poenaru, E., Poenaru, C., Constantin, T. 2014. Skin Hydration assessment through modern non-invasive bioengineering technologies. *Maedica (Buchar)*, 9: 33-38.
- Cork, M. J., 1997. The importance of skin barrier function. *J Dermatolog Treat*, 8:S7–S13
- Darlenski, R., Sassning, S., Tsankov, N., Fluhr, J. W. 2009. Non-invasive in vivo methods for investigation of the skin barrier physical properties, *Eur J Pharm Biopharm*, 72:295–303.
- Del Rosso, Levin, J., High, W. 2011. The Clinical relevance of maintaining the functional integrity of the stratum corneum in both healthy and disease-affected skin. *J Clin Aesthet Dermatol*, 4:22–42.
- Del Rosso, J. D., Zeichner, J., Alexis, A., Cohen, D., Berson, D. 2016. Understanding the epidermal barrier in healthy and compromised skin: clinically relevant information for the proceedings of an expert panel roundtable meeting. *J Clin Aesthet Dermatol*, 9: Suppl 1:S2–S8.
- Dewi, I. S. L., Hidayanti, A. N. 2015. Manifestasi kelainan kulit pada pasien HIV & AIDS. *BIKK- Periodical of Dermatology and Venereology*. 27:97–105.
- Ditjen P2PL Kemenkes. 2017. Laporan situasi perkembangan HIV-AIDS dan PIMS Indonesia Januari-Desember 2017. [cited 2018 Sept 2]. Available from: http://siha.depkes.go.id/portal/perkembangan-kasus-hiv-aids_pims
- Drummond, M. J. N. 2005. Men's bodies listening to the voices of young gay men. *Men and Masculinities*, 7:270–290.
- Duvic, M. 1987. Staphylococcal infections and the pruritus of AIDS-related complex. *Arch Dermatol*, 123:1599.

- Dwiyana, R. F., Rowawi, R., Lestari, M., Alisjahbana, B., Van der Ven, A. J. A. M., Djajakusumah, T. S. 2009. Skin disorders in HIV-infected patients from West Java. *Acta Med Indones-Indones J Intern Med*, 41:Suppl 1.
- Ehrhardt, P. 2012. Skin as an organ of protection. In: Goldsmith, L. A., Katz, S. I., Gilchrest, B. A., Paller, A. S., Leffel, D. J., Wolff, K., Editor, *Fitzpatrick's Dermatology in General Medicine*. 8th ed. McGraw-Hill, New York, pp. 486-498.
- Eisman, S. 2006. Pruritic papular eruption in HIV. *Dermatol Clin*, 24:449–457.
- Farsani, T. T., Kore, S., Nadol, P., Ramam, M., Thierman, S. J., Leslie, K., Maurer, T. A. 2013. Etiology and risk factors associated with a pruritic papular eruption in people living with HIV in India. *J Int AIDS Soc*, 16:1–6.
- Goodman, D. S., Teplitz, E. D., Wishner, A., Klein, R. S., Burk, P. G., Hershenbaum, E. 1987 Prevalence of cutaneous disease in patients with acquired immunodeficiency syndrome (AIDS) or AIDS-related complex. *J Am Acad Dermatol*, 17:210– 220.
- Gunathilake, R. Schmuth, M., Scharschmidt, R. C., Grabher, D., Leslie, K. S., Maurer, T. A., Mauro, T. M., Elias, P. M. 2010. Epidermal barrier dysfunction in non-atopic HIV : Evidence for an “inside-to-outside” pathogenesis. *J Invest Dermatol*, 130:1185–1188.
- Hänel, K. H., Cornelissen, C., Luscher, B., Baron, J. M. 2013. Cytokines and the skin barrier. *Int J Mol Sci*, 14:6720–6745.
- Harding, C. R. 2004. The stratum corneum: structure and function in health and disease. *Dermatol Ther*, 17:6–15.
- Hatano, Y., Terashi, H., Arakawa, S., Katagiri, K. 2005. Interleukin-4 suppresses the enhancement of ceramide synthesis and cutaneous permeability barrier functions induced by tumor necrosis factor- α and interferon- γ in human epidermis. *J Invest Dermatol*, 124:786–792.
- Hevia, O., Jimenez-acosta, F., Ceballos, P., Gould, E. W., & Penneys, N. S. 1991. Pruritic papular eruption of the acquired immunodeficiency syndrome : A clinicopathologic study. *J Am Acad Dermatol*, 24:231–235.
- Howell, M. D., Fairchild, H. R., Kim, B. E., Bin, L., Boquniewicz, M., Redzic, J. S., Hansen, K. C., Leung, D. Y. 2008. Th2 Cytokines act on S100 / A11 to downregulate keratinocyte differentiation, *J Invest Dermatol*, 128, 2248–2258.

- James W. D., Redfield R. R. 1987. Human immunodeficiency virus infection and skin disease. *J Assoc Mil Dermatol*, 2:7–12.
- Kottner, J., Lichterfeld, A., Blume-Peytapi, U. 2013. Transepidermal water loss in young and aged healthy humans : a systematic review and meta-analysis. *Arch Dermatol Res*, 305:315–23.
- Kurahashi, R., Hatano, Y., Katagiri, K. 2008. IL-4 Suppresses the recovery of cutaneous permeability barrier functions in vivo. *J Invest Dermatol*, 128:1329–1331.
- Lakshmi, S. J., Rao, S. R., Ramalakshmi, Satyasree, Rao, K. A., Prasad, P. G., Kumar, H. K., 2008. Pruritic papular eruptions of HIV: A clinicopathologic and therapeutic study', *Indian J Dermatol Venereol Leprol*, 74:501–503.
- Lee, D., Benson, C. A., Lewis, C. E., Grunfeld, C., Scherzeret, R. 2007. Prevalence and factors associated with dry skin in HIV infection : the FRAM study. *AIDS*, 21:2051–2057.
- Liautaud, B., Pape, J. W., DeHovitz, J. A. 1989 Pruritic skin lesions: a common initial presentation of acquired immunodeficiency syndrome. *Arch Dermatol*, 125:629–632.
- Loden, M., Olsson, H., Axell, T., Linde, Y. W. 1992. Friction, capacitance and transepidermal water loss (TEWL) in dry atopic and normal skin. *Br J Dermatol*, 126:137–141.
- Majors, M. J., Berger, T. G., Blauvelt, A., Smith, K. J., Turner, M. L., Cruz, P. D. 1997. HIV-related eosinophilic folliculitis : a panel discussion. *Semin Cutan Med Surg*, 16:219–223.
- Mischo, M., Von Kobyletzki, L. B., Bründermann, E., Schmidt, D. A., Potthof, A., Brockmeyer, N. H., Havenith, M. 2014. Similar appearance , different mechanisms : xerosis in HIV , atopic dermatitis and ageing. *Exp Dermatol*, 13:446–448.
- Navarini, A. A., Stoeckle, M., Navarini, S., Mosdorf, E., Jullu, B. S., Mchomvu, R., Mbata, M., Kitabala, P., Tanner, M., Hatz, C., Schmid-Grendelmeier, P. 2010. Clinical trial antihistamines are superior to topical steroids in managing human immunodeficiency virus (HIV)-associated papular pruritic eruption. *Int Soc Dermatol*, 49:83–86.
- Orkin, M. 1993. Scabies in AIDS. *Semin Dermatol*, 12:9-14.

- Patel, Y., Umarigar, D., Vasava, B., Vara, N., Patel, N. 2013. Socio-demographic profile of HIV positive patients of mucocutaneous manifestation attending skin & VD Department of Government Medical College , Surat. *NJCM*, 4:533–535.
- Penneys, N. S., Nayar, K. K., Bernstein, H., Knight, J. W. 1989. Chronic pruritic eruption in patients with acquired immunodeficiency syndrome associated with increased antibody titers to mosquito salivary gland antigens. *J Am Acad Dermatol*. 21:421–425.
- Pinnagoda J., Tupker, R., A., Agner, T., Serup, J. 1990. Guidelines for transepidermal water loss (TEWL) measurement. *Contact Dermatitis*, 22:164–178.
- Plessis, J., Stefaniak, A., Eloff, F., John, S., Agner, T., Chou, T., Holness, L. 2013. International guidelines for the in vivo assessment of skin properties in non-clinical settings: Part 2. transepidermal water loss and skin hydration. *Skin Res Technol*, 19:265–278.
- Prasetyo, A. A., Sariyatun, R. 2017. Cutaneous and musculoskeletal complications in human immunodeficiency virus infection. In: Kon, K., Mahendra, R., Editor, *The Microbiology of Skin, Soft Tissue, Bone and Joint Infections*. 1st ed, Vol. 2. Elsevier Inc., London, pp. 57–75.
- Rajendran, P. M., Dolev, J. C., Heaphy, M. R., Maurer, T. 2005. Eosinophilic folliculitis. *Arch Dermatol*, 141:1227–1231.
- Resneck, J. S., Van Beek, M., Furmanski, L., Oyugi, J., LeBoit, P. E., Katabira, E., Kambugu, F., Maurer, T., Berger, T., Pletcher, M. J., Machtinger, E. L. 2004. Etiology of pruritic papular eruption with HIV infection in Uganda. *JAMA*, 292:2614–2621.
- Rogiers, V., EMMCO, G. 2001. EEMCO Guidance for the assessment of transepidermal water loss in cosmetic sciences. *Skin Pharmacol Appl Skin Physiol*, 14:117–128.
- Rowe, A., Mallon, E., Rosenberger, P., Barrett, M., Walsh, J., Bunker, C. B. 1999. Depletion of Cutaneous peptidergic innervation in HIV-associated xerosis. *J Invest Dermatol*, 112:284–289.
- Sivaiah, T., Lakshmi, V. A. A., Vijayasaradhi, G., Polaiah, K.P., Nageswararao, T. 2015. The Socio-demographic profiles and health status of HIV positives attending Government General Hospital, Guntur. *IOSR-JDMS*, 14:1–5.

- Uihlein, L. C., Saavendra, A. P., Johnson, R. A. 2012. Cutaneous manifestation of human immunodeficiency virus disease. In: Goldsmith, L. A., Katz, S. I., Gilchrest, B. A., Paller, A. S., Leffel, D. J., Wolff, K., Editor, Fitzpatrick's Dermatology in General Medicine. 8th ed. McGraw-Hill, New York, pp. 2439-2455.
- Wiraguna, A. A. G. P., Adam, A. M. 2018. Pruritic papular eruption (PPE) Pada pasien HIV/AIDS. In: Hidayati, A. N., Dalili, S. F., Niode, N. J., Indriatmi, W., Budiono, S. E., Barabkah, J., Editor, *Manifestasi dan Tatalaksana Kelainan Kulit dan Kelamin Pada Pasien HIV/AIDS*. Badan Penerbit FKUI, Jakarta, pp. 207-226.
- WHO. 2018. HIV/AIDS. [cited 2018 Sept 2]. Available from: <https://www.who.int/hiv/data/en/>
- WHO. 2007. WHO case definitions of HIV for surveillance and revised clinical staging and immunological classification of HIV-related disease in adults and children. [cited 2018 Sept 2]. Available from: www.who.int/hiv/pub/guidelines/HIVstaging150307.pdf
- Wojtowicz-Prus, E., Kilis-Pstrusinska, K., Reich, A., Zachwieja, K., Miklaszewska, M., Szczepanska, M., Szepietowski, J. C. 2015. Disturbed skin barrier in children with chronic kidney disease. *Pediatr Nephrol*, 30: 333–338.
- Yosipovitch, G., Misery, L., Proksch, E., Metz, M., Stander, S., Schmelz, M. 2019. Skin barrier damage and itch: review of mechanisms, topical management and future directions. *Acta Derm Venereol*, 99: 1201–1209.