

7 Literaturverzeichnis

- Ade- Serrano M. und Ejezie G. Prevalence of tungiasis in Oto-Ijanikin village, Badagry, Lagos state, Nigeria. *Ann Trop Med Parasitol* 1981, 75: 471-472
- Arene F. O. The prevalence of sand flea (*Tunga penetrans*) among primary and post-primary school pupils in Choba area of the Niger Delta. *Public Health* 1984, 98(5): 282-283
- Arlian L. G., Morgan M. S. und Neal J. S. Extracts of scabies mites (*Sarcoptidae: Sarcoptes scabiei*) modulate cytokine expression by human peripheral blood mononuclear cells and dendritic cells. *J Med Entomol* 2004, 41(1): 69-73
- Arlian L. G., Vyszynski-Moher D. L., Rapp C. M. und Hull B. E. Production of IL-1 alpha and IL-1 beta by human skin equivalents parasitized by *Sarcoptes scabiei*. *J Parasitol* 1996, 82(5): 719-723
- Basler E. A., Stephens J. H. und Tschen J. A. *Tunga penetrans*. *Cutis* 1988, 42(1): 47-48
- Baurle G. und Stroothenke M. Tungiasis - "Vacation dermatitis". *Hautarzt* 1981, 32(7): 372-373
- Blanchard R. Présence de la chique (*Sarcopsylla penetrans*) à Madagascar. *Arch Parasitol* 1899, 2: 627-630
- Bradley D. Tropical diseases: the burden and its implications. *Schweiz Med Wochenschr* 1997, 127: 1592- 1597
- Brothers W. S. und Heckmann R. A. Tungiasis in North America. *Cutis* 1980, 25(6): 636-638
- Bruce C., Knigin T. und Yolles S. A discussion of the chigoe (*Tunga penetrans*) based on experiences in British Guiana. *Mil Surg* 1942, 82: 446-452
- Cardoso A. Generalized tungiasis treated with thiabendazole. *Arch Dermatol* 1981, 117: 127
- Cardoso A. Tunguíase. *An Bras Dermatol* 1990, 65: 29S-33S
- Chadee D. D. Distribution patterns of *Tunga penetrans* within a community in Trinidad, West Indies. *J Trop Med Hyg* 1994, 97(3): 167-170
- Chadee D. D. Tungiasis among five communities in south-western Trinidad, West Indies. *Ann Trop Med Parasitol* 1998, 92(1): 107-113
- Chadee D. D., Furlonge E., Naraynsingh C. und Le Maitre A. Distribution and prevalence of *Tunga penetrans* in coastal south Trinidad, West Indies. *Trans R Soc Trop Med Hyg* 1991, 85(4): 549
- Connor D. Tungiasis. In: *Pathology of Tropical and Extraordinary Diseases*. Washington DC, USA: Armed Forces Institute of Pathology, 1976: 610-614

- Cooper J. E. An outbreak of *Tunga penetrans* in a pig herd. *Vet. Rec.* 1967, 80(11): 365-366
- de Waal Malefyt R., Abrams J., Bennett B., Figdor C. G. und de Vries J. E. Interleukin 10 (IL-10) Inhibits Cytokine Synthesis by Human Monocytes: An Autoregulatory Role of IL-10 Produced by Monocytes. *J Exp Med.* 1991, 11: 209-220
- Dettner K. und Peters W. Flöhe. In: *Lehrbuch der Entomologie*. Stuttgart: G. Fischer, 1999: 687-691
- Douglas-Jones A. G., Llewelyn M. B. und Mills C. M. Cutaneous infection with *Tunga penetrans*. *Br J Dermatol* 1995, 133(1): 125-127
- Egan P. J., Kimpton W., Seow H. F., *et al.* Inflammation-induced changes in the phenotype and cytokine profile of cells migrating through skin and afferent lymph. *Immunology* 1996, 89(4): 539-546
- Eisele M., Heukelbach J., Van Marck E., *et al.* Investigations on the biology, epidemiology, pathology and control of *Tunga penetrans* in Brazil: I. Natural history of tungiasis in man. *Parasitol Res* 2003, 90(2): 87-99
- Ejezie G. The parasitic diseases of school children in Lagos state, Nigeria. *Acta Trop* 1981, 38: 79-84
- Elhay M. J., Hanrahan C. F., Bowles V. M., *et al.* Cytokine mRNA expression in skin in response to ectoparasite infection. *Parasite Immunol* 1994, 16(9): 451-461
- Family-Health-Program. UBASF Aída Santos e Silva. Relatório de territorialização Municipal Health Council of Fortaleza. Fortaleza 1999
- Faust E. und Maxwell T. The findings of the larvae of the chigo, *Tunga penetrans*, in scrapings from the human skin. *Arch Dermatol and Syphilol* 1930, 22: 94-97
- Feldmeier H., Eisele M., Saboia-Moura R. C. und Heukelbach J. Severe tungiasis in underprivileged communities: case series from Brazil. *Emerg Infect Dis* 2003a, 9(8): 949-955
- Feldmeier H., Eisele M., Van Marck E., *et al.* Investigations on the biology, epidemiology, pathology and control of *Tunga penetrans* in Brazil: IV. Clinical and histopathology. *Parasitol Res* 2004, 94(4): 275-282
- Feldmeier H., Heukelbach J., Eisele M., *et al.* Investigations on the biology, epidemiology, pathology and control of *Tunga penetrans* in Brazil: III. Cytokine levels in peripheral blood of infected humans. *Parasitol Res* 2003b, 91(4): 298-303
- Feldmeier H., Heukelbach J., Eisele M., *et al.* Bacterial superinfection in human tungiasis. *Trop Med Int Health* 2002, 7(7): 559-564

- Fimiani M., Reimann R., Alessandrini C. und Miracco C. Ultrastructural findings in tungiasis. *Int J Dermatol* 1990, 29: 220-222
- Franck S., Feldmeier H. und Heukelbach J. Tungiasis: more than an exotic nuisance. *Travel Med Infect Dis* 2003, 1: 159-166
- Fuga G., Dal Fabbro G., Provini M. und Ribuffo A. Osservazioni su tre casi di Tungiasi. *Minerva Medica* 1977, 68: 4115-4120
- Geigy R. und Herbig A. Die Hypertrophie der Organe beim Weibchen von *Tunga penetrans*. *Acta Trop* 1949, 6: 246-262
- Geigy R. und Suter P. Zur Copulation der Flöhe. *Rev Suisse Zool* 1960, 67: 206-210
- Goldsmid J. Tungiasis in Zimbabwe. *Cent Afr J Med* 1981, 27: 151-152
- Gordon R. The jigger flea. *Lancet* 1941, 2: 47-49
- Grosshans E. und Pradinaud R. Dermatologie in Französisch- Guayana. *Hautarzt* 1979, 30: 443-445
- Guerra F. Aleixo de Abreu [1568-1630], author of the earliest book on tropical medicine describing amoebiasis, malaria, typhoid fever, scurvy, yellow fever, dracontiasis, trichuriasis and tungiasis in 1623. *J Trop Med Hyg* 1968, 71(3): 55-69
- Guerrant R. und Blackwood B. Threats to global health and survival: the growing crises of tropical infectious diseases- our unfinished agenda. *Clin Infect Dis* 1999, 28(5): 966-986
- Guyon M. Note accompagnant la présentation d'un ouvrage intitulé : Histoire naturelle et médicale de la Chique, *Rhynchoprion penetrans* (Oken). *Comptes Rendues de l'Academie Des Sciences* 1870, 70: 785-792
- Henning G. Zur Geschichte des Sandflohs (*Sarcopsylla penetrans* L.). *Naturwiss Wochenschr* 1904, 20: 310-312
- Hesse P. Die Ausbreitung des Sandflohs in Afrika. *Geogr. Z. (Hettner)* 1899: 522-530
- Heukelbach J., Bonow I., Witt L. H., Feldmeier H. und Fischer P. High infection of *Wolbachia* endobacteria in the sand flea *Tunga penetrans* from Brazil. *Acta Trop* 2004a, 92(3): 225-230
- Heukelbach J., da Costa A. L., Wilcke T., Mencke N. und Feldmeier H. The animal reservoir of *Tunga penetrans* in severely affected communities of north-east Brazil. *Med. Vet. Entomol.* 2004b, 18(4): 329-335
- Heukelbach J., de Oliveira F. A., Hesse G. und Feldmeier H. Tungiasis: a neglected health problem of poor communities. *Trop. Med. Int. Health* 2001, 6(4): 267-272

- Heukelbach J., Franck S. und Feldmeier H. High attack rate of *Tunga penetrans* (Linnaeus 1758) infestation in an impoverished Brazilian community. *Trans R Soc Trop Med Hyg* 2004c, 98(7): 431-434
- Heukelbach J., Franck S. und Feldmeier H. Therapy of Tungiasis: A double-blind Randomized Controlled Trial with Oral Ivermectin. *Mem Inst Oswaldo Cruz* 2004d, 99: 1-4
- Heukelbach J., van Haeff E., Rump B., *et al.* Parasitic skin diseases: health care-seeking in a slum in north-east Brazil. *Trop Med Int Health* 2003, 8(4): 368-373
- Heukelbach J., Wilcke T., Eisele M. und Feldmeier H. Ectopic localization of tungiasis. *Am J Trop Med Hyg* 2002, 67(2): 214-216
- Heukelbach J., Wilcke T., Harms G. und Feldmeier H. Seasonal variation of tungiasis in an endemic community. *Am. J. Trop. Med. Hyg.* 2005, 72(2): 145-149
- Hicks E. The early stages of the jigger, *Tunga penetrans*. *Ann Trop Med Parasitol* 1930, 24: 575-586
- Ho M., Schollaardt T., Snape S., *et al.* Endogenous Interleukin-10 Modulates Proinflammatory Response in *Plasmodium falciparum* Malaria. *J Infect Dis* 1998, 178: 520-525
- Hoepli R. Early references to the occurrence of *Tunga penetrans* in tropical Africa. *Acta Trop* 1963, 20: 143-153
- Ibanez-Bernal S. und Velasco-Castrejon O. New records of human tungiasis in Mexico (Siphonaptera: Tungidae). *J Med Entomol* 1996, 33(6): 988-989
- Iida M., Watanabe K., Tsurufuji M., *et al.* Level of neutrophil chemotactic factor CINC/gro, a member of the interleukin-8 family, associated with lipopolysaccharide-induced inflammation in rats. *Infect Immun* 1992, 60(4): 1268-1272
- Junqueira L. C. und Carneiro J. Haut, Integumentum commune. In: *Histologie.4. Auflage*, Heidelberg: Springer, 1996: 412-416
- Karsten H. Beitrag zur Kenntnis des *Rhynchoprion penetrans*. *Virchow's Arch. Pathol. Anat.* 1865, 32: 269-292
- Krinke G. The Laboratory Rat. In: Stein, Schweiz: Academic Press, London, 2000: 309
- Lavoipierre M., Radovsky F. und Budwiser P. The feeding process of a Tungid flea, *Tunga monositus* (Siphonaptera: Tungidae), and its relationship to the host inflammatory and repair response. *J med entomol* 1979, 15: 187-217
- Linardi P. Família tungidae. In: *Sifonápteros do Brasil. 1st ed.*, Museu de Zoologia da Universidade de São Paulo, São Paulo 2000: 48-53
- Litvoc J., Leite R. und Katz G. Aspectos epidemiológicos do tétano no estado do São Paulo (Brasil). *Rev Instituto Med Trop São Paulo* 1991, 33: 477-484

- Matias R. S. Epidemia de tungiase no Rio Grande do Sul. Rev Soc Bras Med Trop 1989, 22: 137-142
- Mazzini M., Fridmanis M., Obarrio H. und Carbajal G. Tungiasis. Arch Argent Dermatol 1988, 38: 403-408
- Milgraum S. und Headington J. A subungual nodule of recent onset. Tungiasis. Arch Dermatol 1988, 124: 432
- Morsy T., el Alfy M., Arafa M., Salama M. und Habib K. Serum levels of tumour necrosis factor alpha versus immunoglobulins (IgG, IgM and IgE) in Egyptian scabietic. J Egypt Soc Parasitol 1995, 25: 773-786
- Muehlen M., Heukelbach J., Wilcke T., *et al.* Investigations on the biology, epidemiology, pathology and control of *Tunga penetrans* in Brazil. II. Prevalence, parasite load and topographic distribution of lesions in the population of a traditional fishing village. Parasitol. Res. 2003, 90(6): 449-455
- Nte A. R. und Eke F. U. Jigger infestation in children in a rural area of Rivers State of Nigeria. West Afr J Med 1995, 14(1): 56-58
- Obengui. Tungiasis and tetanus at the University Hospital Center in Brazzaville. Dakar Med 1989, 34(1-4): 44-48
- Oliver- Llull M., Pérez Alfonso R. und García L. Epidemiologia de la *Tunga penetrans* en Venezuela. DermatolVenez 1997, 35: 99-101
- Otranto D. The immunology of myiasis: parasite survival and host defense strategies. Trends Parasitol 2001, 17(4): 176-182
- Ozdamar A., Aras C., Ozturk R., *et al.* In vitro antimicrobial activity of silicone oil against endophthalmitis- causing agents. Retina 2001, 21(1): 92-93
- Peschlow I., Schlenzka K., Merk G. und Neumann H. Tropendermatosen aktuell. Tungiasis, Ulcus tropicum, Leishmaniase. Beobachtungen aus der Praxis. Dermatol Monatsschr 1983, 169: 120-124
- Pfister R. Are sandflea infections increasing? Fortschr Med 1977, 95(21): 1373-1375
- Pilgrim R. und Brown G. An instance of tungiasis in New Zealand. NZ Med J 1993, 106: 180
- Rietschel W. Observations of the sand flea (*Tunga penetrans*) in humans and dogs in French Guiana. Tierarztl. Prax. 1989, 17(2): 189-193
- Ruthe H. Fussleiden der Elefanten. Wissenschaftliche Zeitschrift der Humboldt Universität zu Berlin, Mathematisch- Naturwissenschaftliche Reihe 1961, 10: 474-514
- Saint Andre A., Blackwell N. und Hall L. The role of endosymbiotic *Wolbachia* bacteria in the pathogenesis of river blindness. Science 2002, 295: 1892-1895

- Sanusi I. D., Brown E. B., Shepard T. G. und Grafton W. D. Tungiasis: report of one case and review of the 14 reported cases in the United States. *J Am Acad Dermatol* 1989, 20: 941-944
- Saraceno E., Bazarra M. und Calviello R. Tungiasis: tratamiento de un caso con ivermectina. *Arch Argent Dermatol* 1999, 49: 91-95
- Sato Y. und Ohshima T. The expression of mRNA of proinflammatory cytokines during skin wound healing in mice: a preliminary study for forensic wound age estimation (II). *Int J Legal Med* 2000, 113(3): 140-145
- Schwalfenberg S., Witt L. H., Kehr J. D., Feldmeier H. und Heukelbach J. Prevention of tungiasis using a biological repellent: a small case series. *Ann Trop Med Parasitol* 2004, 98(1): 89-94
- Smollich A. und Michel G. Die Haut. In: *Mikroskopische Anatomie der Haustiere*. 2. Auflage, Jena, Stuttgart 1992: 495- 498
- Soria M. F. und Capri J. J. *Tunga penetrans* induced tetanus. *Prensa Med Argent* 1953, 40(1): 4-11
- Spielman M., Potter G., Taubman S. und Hodge W. Pain, pruritus, and swelling localized to two toes. Tungiasis. *Arch Dermatol* 1986, 122: 333
- Spradbery J., Bromley J., Dixon R. und Tetlow L. Tungiasis in Australia: an exotic disease threat. *Med J Aust* 1994, 161: 173
- Takimoto S., Waldman E. und Moreira R. Enterovirus 71 infection and acute neurological disease among children in Brazil (1988-1990). *Trans R Soc Trop Med Hyg* 1998, 92: 25-28
- Tani K., Morimoto M., Hayashi T., *et al.* Evaluation of cytokine messenger RNA expression in peripheral blood mononuclear cells from dogs with canine demodicosis. *J Vet Med Sci* 2002, 64(6): 513-518
- Tan-Lim K. und Pluis A. Tungiasis. *Ned Tijdschr Geneesk* 1972, 116: 1013-1016
- Taubman S. und Spielman M. Tungiasis: a case report. *J Am Podiatr Assoc* 1979, 69: 383-384
- Tonge B. Tetanus from chigger flea sores. *J Trop Pediatr* 1989, 35: 94
- Traub R. J., Robertson I. D., Irwin P., Mencke N. und Thompson R. C. The role of dogs in transmission of gastrointestinal parasites in a remote tea-growing community in northeastern India. *Am J Trop Med Hyg* 2002, 67(5): 539-545
- Veraldi S., Camozzi S. und Scarabelli G. Tungiasis presenting with sterile pustular lesions on the hand. *Acta Dermatol Venerol* 1996, 76: 495

- Watanabe K., Koizumi F., Kurashige Y., Tsurufuji S. und Nakagawa H. Rat CINC, a member of the interleukin-8 family, is a neutrophil-specific chemoattractant in vivo. *Exp Mol Pathol* 1991, 55(1): 30-37
- White G. Jigger fleas. In: Manson`s Tropical Diseases. 19th ed., London, England: Balière Tindall, 1987: 1533- 1534
- Wilcke T., Heukelbach J., Cesar Saboia Moura R., Regina Sansigolo Kerr-Pontes L. und Feldmeier H. High prevalence of tungiasis in a poor neighbourhood in Fortaleza, Northeast Brazil. *Acta. Trop.* 2002, 83(3): 255-258
- Yazdanbakhsh M., van den Biggelaar A. und Maizels R. Th2 responses without atopy: immunoregulation in chronic helminth infections and reduced allergic disease. *Trends Immunol* 2001, 22(7): 372-377
- Zalar G. L. und Walther R. R. Infestation by *Tunga penetrans*. *Arch Dermatol* 1980, 116(1): 80-81