

## References

**Abdalla, H. M. (1984).** Studies on *Babesia bigemina* in cattle in Northern Sudan. M.V.Sc. Thesis. Faculty of University of Khartoum, Khartoum Sudan.

**Adam, M. E. (2005).** Prevalence of blood parasites in domestic animals in South Darfur State of Sudan. M.V.Sc. Thesis.

**Akiiki, C.R.; Onen, J.O.; Nasinyama,G.W.; Vaarst, M; Kabagambe,E.K.; Mwayi, W.; Musunga, D.; and Wandukwa, W. (2004).** The prevalence of serum antibodies to tick-borne infections in Mbale District, Uganda: The effect of agro-ecological zone, grazing management and age of cattle. The Journal of Insect Science, vol 4: 8.

**Ali, Awadia M. (2005).** Molecular detection and characterization of *Theileria annulata* in Khartoum State. University of Khartoum, M.V.Sc. Thesis.

**Awad H.; Antunes S.; Galindo R.C; do Rosário V.E.; de la Fuente J.; Domingos A. and El Hussein A.M (2011).** Prevalence and genetic diversity of *Babesia* and *Anaplasma* species in cattle in Sudan. *Vet. Parasit*, 181(2-4):146-52.

**Aziz; A. A. A., El Ham; M. O., Lemia; M. E., Kheir; S. M and Mohammed; Y. O. (2000).** “Strategies for control tick and tick-borne diseases in Sudan.” *Al Buhuth J.*, 8(1)87-101.

**Bakirci, S.; Sarali, H.; Aydin, L.; Eren, H. and Karagenc, T. (2011).** Distribution and seasonal activity of tick species on cattle in the West Aegean region of Turkey. *Exp. Appl. Acarol.* 56:165–178.

**Balashov , Y .S. (1972).** Blood sucking ticks (Ixodoidea) – Vectors of Disease of Man and Animals. Misc Publication of Entomological Society of America 8: 160-376.

**Braz JR1, C.J.; Ribeiro, M.F.B.; J. D. Lima, J.D and Passos,L.M.F. (2000).** Seroprevalence of *Anaplasma marginale* in 2 Iowa feedlots and its association with morbidity, mortality, production parameters,and carcass traits, V.51

**Coetzee, J.F.; Schmidt, P.L.; O’Connor, A.M. and Apley, M.D.(2010).** Development of an ELISA System for Detection of Anti- *Anaplasma marginale* Antibodies in Cattle in Brazil, J. Vet. Med. B 47, 241–248

**Dikmans, G. (1950).** The transmission of anaplasmosis. Am. J. Vet. Res. 11:5-16.

Dolan, T.T. (1991). Recent Developments in the control of anaplasmosis, babesiosis and cowdriosis. The international laboratory for research on animal disease box30709 • NAIROBI • KENYA.

**Dumitrache, M.O.; Gherman, C.M.; Cozma, V.; Mircean, V.; Györke, A.; Sándor, A.D. and Mihalca, A.D. (2011).** Hard ticks (Ixodidae) in Romania: surveillance, host associations, and possible risks for tick-borne diseases.

**Dumler, J. S.; Barbet, A.F.; Bekker, C.P.J.; Dasch, G.A.; Palmer, G.H.; Ray, S.C.; Rikihisa, Y. and Rurangirwa, F.R. (2001).** Reorganization of the genera in the families Rickettsiaceae and Anaplasmataceae in the order Rickettsiales: unification of some species of *Ehrlichia* with *Anaplasma*, *Cowdria* with *Ehrlichia* and *Ehrlichia* with *Neorickettsia*, descriptions of six new species combinations and designation of *Ehrlichia equi* and “HGE agent” as subjective synonyms of *Ehrlichia phagocytophila*. Int. J. Syst. E vol. Microbiol. 51:2145-2165.

**Ewing, S. A. (1981).** Transmission of *Anaplasma marginale* by arthropods. p. 395-423. In R. J. Hidalgo and E. W. Jones (ed.), Proceedings of the 7th National Anaplasmosis Conference. Mississippi State University, Mississippi State.

**Ewing, S. A. (1981).** Transmission of *Anaplasma marginale* by arthropods. In: R. J. Hidalgo and E. W. Jones (ed.), Proceedings of the 7th National Anaplasmosis Conference. Mississippi State University, Mississippi State. P395-423.

**Felsheima, R.F.; Cháveza, A.S.O.; Palmerb, G.H.; Crosby, L.; Barbetc, A.F.; Kurttia, T.J. and Munderloha, U.G. (2010).** Transformation of *Anaplasma marginale*. Published as: *Vet Parasitol.* 167(2-4): 167–174.

**Foley, J.E.; Nieto, N.C. and Foley, P. (2009).** Emergence of Tick-Borne granulocytic anaplasmosis associated with habitat type and forest change in northern California. *American J. of Trop. Med. and Hyg.* vol. 81: 6 1132-1140.

**Fosgate, G.T.; Urdaz-Rodríguez, J.H.; Dunbar, M.D.; Rae, D.O.; Donovan, G.A.; Melendez, P.; Dobek, G.L. and Alleman, A.R. (2010).** Diagnostic accuracy of methods for detecting *Anaplasma marginale* infection in lactating dairy cattle of Puerto Rico. *J. of V. Diagn. Investig.* 22:192–199.

**Ge, N. L., Kocan, K.M.; Blouin, E.F. and Murphy, G.L. (1996).** Developmental studies of *Anaplasma marginale* (Rickettsiales: Anaplasmataceae) in male *Dermacentor andersoni* (Acari: Ixodidae) infected as adult using nonradioactive *in situ* hybridization. *J. Med. Entomol.* 33:911-920.

**Grøva, L.; Olesen, I.; Steinshamn, H. and Stuen, S. (2011).** Prevalence of *Anaplasma phagocytophilum* infection and effect on lamb growth. Grøva et al. Acta Vet. Scandin. 2011, 53:30. <http://www.actavetscand.com/content/53/1/30>

**Guglielmone, A. A. (1995).** Epidemiology of babesiosis and anaplasmosis in South and Central America. Vet. Parasitol., 57:109-119.68

**Hoogstraal, H. (1956).** African Ixodoidea. Ticks of the Sudan (with special reference to Equatoria Province and with preliminary reviews of the genera *Boophilus*, *Margaropus*, and *Hyalomma*). Washington, DC: Department of the Navy, 200-800-1101 pp.

**Kieser, S. T., I. E. Eriks, and G. H. Palmer. (1990).** Cyclic rickettsemia during persistent *Anaplasma marginale* infection in cattle. Infect. Immun. 58:1117-1119.

**Kocan, K. M. (1986).** Development of *Anaplasma marginale* in ixodid ticks: coordinated development of a rickettsial organism and its tick host, *In* J. R. Sauer and J. A. Hair (ed.), Morphology, physiology and behavioral ecology of ticks. Ellis Horwood Ltd., Chichester, United Kingdom., P 472-505.

**Kocan, K. M. (2010).** Encyclopedia of Arthropod-transmitted Infections of Man and Domesticated Animals. M.W. Service 2001, CABI Publishing.

Kocan, K. M., and J. de la Fuente. (2003). Co-feeding of tick infected with *Anaplasma marginale*. Vet. Parasitol., 112:295-305.

**Kocan, K. M., Blouin, E.F. and Barbet, A .F. (2000).** Anaplasmosis control: past, present and future. Ann. N. Y. Acad. Sci., 916:501-509.

**Kocan, K. M., de la Fuente, J., Guglielmono, A .A. and Melendez, R.D. (2003).** Antigens and alternatives for control of *Anaplasma marginale* infection in cattle. *Clinical Microbiology Reviews*, 16(4): 698-712

**Kocan, K. M., Goff, W.L.; Stiller, D.; Claypool, P.L.; Edwards, W.; Ewing, S.A.; Hair, J.A. and Barron, S.J. (1992).** Persistence of *Anaplasma marginale* (Rickettsiales: Anaplasmataceae) in male *Dermacentor andersoni* (Acari: Ixodidae) transferred successively from infected to susceptible cattle. *J. Med. Entomol.* 29:657-668.

**Kocan, K.M.; Fuente, J.L.; Blouin, E.F. and Garcia, J.C. ( 2007).** *Anaplasma marginale* (Rickettsiales: Anaplasmataceae), recent advances in defining host–pathogen adaptations of a tick-borne rickettsia. Department of Veterinary Pathobiology, 250 McElroy Hall, Oklahoma State University, Stillwater,OK, 74078-2007, USA.

**Kocan, K.M.; Fuente, J.L.; Step, D.L.; Blouin, E.F.; Coetzee, J.F.; Simpson, K.M.; Genova, S.G.; Boileau, M.J. (2010).** Current Challenges of the Management and Epidemiology of Bovine Anaplasmosis. *The bovine practitioner* - vol. 44,NO. 2. *E-mail: Katherine.Kocan@.*

**Latif, A. A. and Hassan, S. M. (1997).** Geographical distribution of ticks in the Sudan using computer models. *In: Proceedings of The International Workshop on Tick Modelling held at ICIPE, Nairobi, Kenya, 9 - 19 September 1997. Sponsored by ACIAR, Australia.*

**Ma, M.; Liu, Z.; Guan, G.; LI, Y.; Luo, J.; Yin, H. (2010).** Molecular and serological evidence for *Anaplasma* infection in yaks. *Turk. J. Vet. Anim. Sci.* 2011; 35(6): 463-466.

**Magnarelli, L.A.; Stafford, K.C.; III, Jdo, J.W.I. and Erol Fikrig, E.( 2006).** Antibodies to whole-cell or recombinant antigens of *Borrelia burgdorferi*, *Anaplasma phagocytophilum*, and *Babesia microti* in white-footed mice, *J. of Wildlife Dis*, 42(4) 732–738.

**Magona, J.W.; John Walubengo, J. Kabi, F. ( 2011).** Response of Nkedi Zebu and Ankole cattle to tick infestation and natural tick-borne, helminth and trypanosome infections in Uganda. *Trop Anim Health Prod* (2011) 43:1019–1033.

**Martinez, M.A.C.; Paez, M.L.S.; Ramirez, R.A.V.; Gonzalez, A.W.; Melendez, J.A.S and Correa, J.C.S. (2008).** Prevalence of Antibodies Against *Anaplasma marginale* in White-tailed Deer (*Odocoileus virginianus texanus*) in Hunting Farms of Northeastern Mexico. *J. of Anim. vet Advan.*, 7(11): 1495- 1498.

**Mc Callon, B. R. (1973).** Prevalence and economic aspects of anaplasmosis, p. In E. W. Jones (ed.), *Proceedings of the 6th National Anaplasmosis Conference*. Heritage Press, Stillwater, Okla.98. P 1-3.

**Mohamed-Ahmed; M.M. Abdulla; M.A. Mohamed; Y.O. El Rayah; I.E and El Amin; Y.E. (2007).**“ Trapability of periurban population of horseflies (Diptera: Tabanidae) in Khartoum State Sudan” *Journal of Science and Technology*, 8(2): 46-64.

**Mohammed, A. S.; Osman, O. M. and Elrabaa, F. M. (2001).** Prevalence of tropical theileriosis in Khartoum State. The Sudan Journal of Veterinary Research, 17: 41 – 46.

**Mohammed, Y. O. (2003).** Base-line data on susceptibility of some ixodid tick species to Lindane in the Sudan. Sudan J. Vet. Res., 18, 93-98.

**Mohammed, Y. O.; Aziz, A. A. A. and Kheir, S. M. (1998).** Ticks and Tick-borne diseases survey in Khartoum State. The Sudan Journal of Veterinary Science & Animal Husbandry, 37 (2): 282 – 289.

**Monica. (2005).** Calf mortality and parasitism in periurban livestock production in Mali, Philosophisch-Naturwissenschaftlichen Fakultät der Universität Basel, 2005.

**Morzaria, S. P. and Pederson, V. (1983).** Tick and Tick-borne Disease Control, the Sudan. Studies on Important Tick-borne Diseases of cattle. AG: GCP/SUD/024/DEN. Technical Report 2. Food and Agriculture Organization of the United Nations, Rome.

**Nabil M. A. M. A (2003).** Prevalence of bovine anaplasmosis in Malaysian farms. Faculty of Veterinary Medicine *okstate.edu*, Phone: (405) 744-7271; FAX: (405) 744-5275

**Osman, O. M. (1978a).** Preliminary notes on the distribution of ticks (Acarina: Ixodidae) in Darfur Province, Sudan. Bull Anim. Hlth. Prod. Afri.s, 26: 329 – 333.

**Osman, O. M. (1978b).** A note on ticks in Jebel Marra. Sudan J. Vet. Sc. Anim. Husb., 19(2): 124 - 126.

**Patrick, S. (April 2010).** Tick literature review. Banfield Applied Research & Knowledge Team, e-mail: [BARK@banfield.net](mailto:BARK@banfield.net)

**Potgieter, F. T., and L. Van Rensburg. (1987).** The persistence of colostral *Anaplasma* antibodies and incidence of *in utero* transmission of *Anaplasma* infections in calves, under laboratory conditions. Onderstepoort J. Vet. Res. 54:557-560.

**Potgieter, F. T., Sutherland, B, and H. C. Biggs. (1981).** Attempts to transmit *Anaplasma marginale* with *Hippobosca rufipes* and *Stomoxys calcitrans*. Onderstepoort J. Vet. Res. 48:119-122.

**Potgieter, F.T. (1979).** Epizootiology and control of anaplasmosis in South Africa. Journal of the South African Veterinary Association, 50(4): 367-372. 181(2-4):146-52. Epub 2011.

**Radunz, B., Darwin, (2008).** The life cycles of tick fever Parasites. December 2008. No: K31.

**Richey, E. J. (1981).** Bovine anaplasmosis. *In* R. J. Howard (ed.), Current veterinary therapy food animal practice. The W. B. Saunders Co., Philadelphia, P. 767-772.



**Richey, E. J. (2003).** Control and Treatment of anaplasmosis in beef cattle1 VM45, series of the Veterinary Medicine-Large Animal Clinical SciencesDepartment, University of Florida.

**Ristic, M. (1977).** Bovine anaplasmosis, p. 235-249. *In* J. Kreier (ed.), Parasitic Protozoa, vol. 4. Academic Press, Inc., New York, N.Y.

**Rymaszewska, A., Grenda2, S., (2008)** .Bacteria of the genus *Anaplasma* – characteristics of *Anaplasma* and their vectors: a review. *Veterinarni Medicina, vol 53, (11): pp 573–584.*

**Sa´ndor, H.; Elek, V.; Fuente, J.L.; Naranjo, V.; Farkas, R.; Majoros, G.; Fo´ldva´ri, G. (2007).** First serological and molecular evidence on the endemicity of *Anaplasma ovis* and *A. marginale* in Hungary. Received 21 December 2006; received in revised form 26 January 2007; accepted 29 January 2007. *Veterinary Microbiology* 122 (2007) 316–322.

**Salih, D. A.; Hassan, S. M.; El Hussein, A. M. and Jongejan, F. (2004).** Preliminary survey of ticks (Acari: Ixodidae) on cattle in Northern Sudan. *Onderstepoort Journal of Veterinary Research*, 71: 319 – 326.

**Salmon, D. E., and T. Smith. (1896).** Infectious diseases of cattle: southern cattle fever (Texas fever), p. 428-438. *In* Special report on diseases of cattle and on cattle feeding. USDA Bureau of Animal Industry. Government Printing Office, Washington.

**Samish, M., E. Pipano, and A. Hadani. (1993).** Intrastadial and interstadial transmission of *Anaplasma marginale* by *Boophilus annulatus* ticks in cattle. Am. J. Vet. Res. 54:411-414.

**Schmidt, G. D and Roberts, L.S. (2005).** Foundation of Parasitology. 7th edition McGraw-Hill Companies New York pages 336 - 341.

**Siddiki, A.Z.; Uddin, M.B.; Hasan, M.B.; Hossain, Rahman, M.M.; Das, B.C.; Sarker, M.S. and Hossain, M.A. (2009).** Coproscopic and Haematological Approaches to Determine the Prevalence of Helminthiasis and Protozoan Diseases of Red Chittagong Cattle (RCC) Breed in Bangladesh. ISSN: 0253-8318 (PRINT), 2074-7764 (ONLINE). Accessible at: [www.pvj.com.pk](http://www.pvj.com.pk). [zsiddiki@gmail.com](mailto:zsiddiki@gmail.com).

**Smith, F.D.; Rantyne, B.; Morgan, E.R. and All, R.W. (2011).** Prevalence, distribution and risk associated with tick infestation of dogs in Great Britain. *Medical and Veterinary Entomology* (2011), doi: 10.1111/j.1365-2915.2011.00954.x. Tel.: +44 1179 287489; Fax: + 44 1179 257374; E-mail: [Faith.Smith@bristol.ac.uk](mailto:Faith.Smith@bristol.ac.uk).

**Stafford, K.C. ( 2007).** An integrated guide for homeowners, pest control operators, and public health officials for the prevention of tick associated disease. Tick Management Handbook. Published Fall 2007 © 2007 The Connecticut Agricultural Experiment Station.

**Stich, R. W., Kocan, K.M., Palmer, G.H.; Ewing, S.A.; Hair, J.A. and Barron, S.J. (1989).** Transstadial and attempted transovarial transmission of *Anaplasma marginale* by *Dermacentor variabilis*. Am. J. Vet. Res. 50:1377-1380

**Suliaman, T. A. (2004).** A study on the epidemiology of ticks and tick-borne diseases in man and cattle in Khartoum State. University of Khartoum, PhD Thesis.

**Tatchell, R. J. (1988).** A study of the effect of tick infestation on live weight gain of cattle in the Sudan. *Topical Pest Management*. 34: 165 – 167.

**Tembue, A.A.M.; Silva<sup>1</sup>, J.B.; Silva<sup>1</sup>, F.J.M.; Pires, M.S.; Baldani, C.D.; Soares, C.O.; Massard, C.L.; and Fonseca, A.H. (2011).** Seroprevalence of IgG antibodies against *Anaplasma marginale* in cattle from south Mozambique. *Rev. Bras. Parasitol. Vet.*, Jaboticabal, v. 20, n. 4, p. 318-324, out.-dez. 2011. 146-52.

**Theiler, A. (1910).** *Anaplasma marginale* (gen. spec. nov.). The marginale points in the blood of cattle suffering from a specific disease, p. 7-64. In A. Theiler (ed.), Report of the government veterinary bacteriologist, 1908-9. Transvaal, South Africa.

Thrusfield, M. (2007). *Veterinary Epidemiology* . E(3),13,pp(246). United kingdom, black well science ltd.

**Torina, A.; Galindo, R.C.; Vicente, J; Di Marco, V; Russo, M; Aronica, V; Fiasconaro, M ; Scimeca, S; Alongi, A; Caracappa, S; Kocan, K.M; Gortazar, C; and Fuente, J. (2010).** Characterization of *Anaplasma phagocytophilum* and *A. ovis* infection in a naturally infected sheep flock with poor health condition. *Tropical Animal Health production*, vol 42:1327–1331.

**Ujjwal, K. D.; Sahadeb, d.; Partha, S.B.; Monalisa, S. (2012).** Correlations among *Anaplasma marginale* parasitemia and markers of oxidative stress in

crossbred calves. *Tropical Animal Health Production*, DOI 10.1007/s11250-011-9938-6. Universiti Putra Malaysia.

**Uta Hesterberg.** (2007). A serological Prevalence Study of important infectious Diseases of cattle in rural areas of Kwa Zulu Natal, South Africa, In Department of Production Animal Studies Faculty of Veterinary Science University of Pretoria.

**W. Martin S.; W, Meek, A.H. and Willeberg, P.** (1987). *Veterinary Epidemiology, Principles and Methods*, Iowa State University Press, Ames, Iowa, USA, 1st edition.

**Whittier, D.; D.V.M., M.S., Extension Veterinary Specialist, Virginia Tech Nancy Currin,.. D.V.M., (2009).** *Veterinary Extension Publication Specialist, Virginia Tech John F. Currin, D.V.M., Extension Veterinary Specialist, Virginia Tech, (2009). Anaplasmosis in Beef Cattle. Publication 400-465.*

**Yoshihara, E.; Idotto, O.; Yamamura, M.H; Marana, E.R.M.; Pacheco, R.; Silveira, A.P. (2003).** Studies of natural infection with *Anaplasma marginale* in Nelore cattle in the Umuarama Municipality, Paraná State, BRAZIL. *Braz. J. Vet. Parasitol.*, 12, 1, 21-26.

**Zaugg, J. L. (1985).** Bovine anaplasmosis: transplacental transmission as it relates to stage of gestation. *Am. J. Vet. Res.* 46:570-572.