

## References

**Aguiar, D.M., Cavalcante, G.T., Labruna, M.B., Vasconcellos, S.A., Rodrigues, A.A.R., Morais, Z.M., Camargo, L.M.A. and Gennari, S.M.** (2007): Risk Factors and Seroprevalence of *Brucella Spp.* in Cattle From Western Amazon, *Brazil. Arq. Inst. Biol., São Paulo*, **74**(4): 301-305.

**Ahmed, M.A.**, (2009): Seroprevalence of cattle Brucellosis in Gabiley District, Somaliland.  
<http://www.scribd.com/doc/18682678/Abdirahim-Thesis>.

**Ahmed, M.O., Elmeshri, S.E., Abuzweda, A.R., Blauo, M., Abouzeed, Y.M., Ibrahim, A., Salem, H., Alzwam, F., Abid, S., Elfahem, A. and Elrais, A.** (2010): Seroprevalence of brucellosis in animals and human populations in the western mountains region in Libya, December 2006–January 2008. *Euro Surveill.* **15**(30): pii=19625.

A v a i l a b l e o n l i n e : <http://www.eurosurveillance.org/ViewArticle.aspx?ArticleId=19625>.

**Akbarmehr, J., and Ghiyamirad, M.**, (2011): Serological survey of brucellosis in livestock animals in Sarab City (East Azarbayjan province), Iran. *African Journal of Microbiology Research.* **5**(10), pp.1220-1223.

Available online:

<http://www.academicjournals.org/ajmr>

**Ali, E.** (2011): Ministry of Agriculture and Animal Resources Brucellosis Epidemiological mapping in Khartoum state.

**Al-Majali, A.M.** (2005): Seroepidemiology of caprine brucellosis in Jordan. *Small Ruminants. Research.* Vol, **58**:13-18.

**Al-Majali, A.M., Talafha, Q.A. and Ababneh, M.M.,** (2009): Seroprevalence and risk factors for bovine brucellosis in Jordan. *J. Vet. Sc.* **10**(1): 61\_ 65.

**Alton, G.G., Jones, I.M. and Pietz, D.E.** (1975). Laboratory Techniques in Brucellosis. World Health Organization. Monograph Series No.55, second edition.

**American Veterinary Medical Association** (2007): Brucellosis Backgrounder (*Online*).

**Angara, E.E.T., Ismail, A.A, Agab, H., and Saeed, S.N.,** (2004): Seroprevalence of bovine brucellosis in kuku dairy scheme, Khartoum North, Sudan. *J. Vet. Sc Anim Husb.* **48**(182): 27 \_ 35.

**Aulakh, H.K., Patil, P.K., Sharma, S., Kumar, H., Mahajan, V. and Sandhu, K.S.** (2008): A Study on the Epidemiology of Bovine Brucell-osis in Punjab (India) Using Milk-ELISA. *Acta Vet. Brno,* **77**: 393-399.

**Azevedo, S.S., Neto, F.J.S. and Dias, R.A.** (2009): Epidemiological situation of bovine brucellosis in the State of Espírito Santo, Brazil. *Arq Bras Med Vet Zootec;* **61** (1): 19-26.

- Bayemi, H.P., Webb, E.C., Nsongka, M.V., Unger, H. and Njakoi, H.**  
Prevalence of *Brucella abortus* antibodies in serum of Holstein cattle  
in Cameroon: 1-6.
- Bennett, S.G.** (1943): Annual report of Sudan Veterinary Service, pp. 29  
\_ 32.
- Berhe, G., Belihu, K. And Asfaw, Y.,** (2007): Seroepidemiological  
Investigation of Bovine Brucellosis in the Extensive Cattle  
Production System of Tigray Region of Ethiopia. *Intern J Appl Res  
Vet Med* .5 (2).
- Cadmus, B.I.S., Adesokan, K.H., Adedokun, O.B., and Stack, A.J.**  
(2010): Seroprevalence of bovine brucellosis in trade cattle  
slaughtered in Ibadan, Nigeria, from 2004–2006.  
*Tydskr.S.Afr.vet.Ver.* 81(1): 50–53.
- Central Intelligence Agency, Central Intelligence Agency, US State  
Department, World Wildlife Fund.**
- Chate, S.C., Dias, R.A. and Amaku, M.** (2009): Epidemiological  
situation of bovine brucellosis in the State of Mato Grosso do  
Sul, Brazil.  
*Arq Bras Med Vet Zootec*; 61 (1): 46-55.
- Chatikobo, P., Manzi, M., Kagarama, J., Rwemarika, J.D. and  
Umunezero, O.,** (2008): The prevalence of bovine brucellosis in  
milking dairy herds in Nyagatare and its implications on dairy  
productivity and public health.

- Corbel, M.J.** (2006): Brucellosis in humans and animals. Produced by the World Health Organization in collaboration with the Food and Agriculture Organization of the United Nations and World Organization for Animal. HealthWHO/CDS/EPR/2006.7.
- Corner, A.L.** (1987): Bovine Brucellosis Serology CSIRO Division of Animal Health, private Bag No. 1, Parkville, 3052, Australia.
- Dafalla, E.N.** (1962): Incidence of Animal and Human Brucellosis in the Sudan. *Sudan. J. Vet. Sci. Animal Husb.*, 3: 80 \_ 89.
- David, K.L.** (2007): IGAD Livestock Policy Initiative, The Political Economy of Livestock And Pastoralism In Sudan. IGAD LPI Working Paper No. 06 – 08.
- Defra, G.** (2004). Department of Environment, Food and Rural Affairs. Disease Fact Sheet.
- Dinka, H. And Chala, R.** (2009): Seroprevalence Study of Bovine Brucellosis in Pastoral and Agro-Pastoral Areas of East Showa Zone, Oromia Regional State, Ethiopia. *American-Eurasian J. Agric. & Environ. Sci.*, 6 (5): 508-512.
- El-Ansary, H.E., Mohammed, A.B., Hamad, A.A. and Karom, O.A.** (2001): Brucellosis among animals and human contacts in Eastern Sudan. *Saudi Med. J.*, 22(7): 577–579.
- El-Sharif, F.M.** (1994): Prevalence of *brucella* in slaughter mens and milkers, Omdurman and Khartoum North, Sudan. M.D. University of Khartoum.
- England, T., Kelly, L., Jones, R.D., MacMillan, A., Wooldridge, M.** (2004): A simulation model of brucellosis spread in British cattle

- under several testing regimes. *Preventive Veterinary Medicine* **63**: 63-73.
- Erwa, H.H.** (1966): Isolation of *Brucella abortus* in the Sudan. *J. Trop. Med. Hyg.*, **68**: 201.
- Food and Agriculture Organization of the United Nations (2009)**: Bovine Brucellosis, *Brucella abortus*. Manual for the Recognition of Exotic Diseases of Livestock, A Reference Guide for Animal Health Staff. <http://www.spc.int/rahs/>.
- Franco, M.Pa., Mulder, M., Gilman, H.R. and Smits, L.H.** (2007): Human brucellosis. *Lancet Infect Dis.* **7**: 775-86  
<http://infection.thelancet.com>
- Gul, T.S. and Khan, A.** (2007): Epidemiology and Epizootology of Brucellosis: A review. *Pakistan Vet. J.*, **27**(3): 145-151.
- Gwida. M., Al Dahouk, S., Melzer, F., Rosler, U., Neubauer, H. and Tomaso, H.** (2010): Brucellosis–Regionally Emerging zoonotic Disease? doi:10.3225/cmj.2010.51.289.
- Haimanot, T.D. and Gangwar, K.S.** (2011): Seroprevalence Study of Bovine Brucellosis in Assela Government Dairy farm of Oromaia Regional State, Ethiopia. *I.J.S.N.*, **2**(3): 692- 697  
ISSN 2229 – 6441.
- Haseeb, M.A.** (1950): Undulant Fever in the Sudan. *J. Trop. Med.* **53**, 241.
- Hegazy, Y.M., Moawad, A., Osman, S., Ridler, A., Guitian, J.** (2011): Ruminant Brucellosis in the Kafir El Sheikh Governorate of the Nile

- Delta, Egypt: Prevalence of a Neglected Zoonosis. *PLoS Negl Trop Dis* **5**(1): e944. doi:10.1371/journal.pntd.0000944.
- Henk, L., Smitt, I. and Sally, J.** (2004): Contributions of biotechnology to the control and prevention of brucellosis in Africa. *African Journal of Biotechnology*. **3**(12): 631-636.
- Hesterberg, U.W., Bagnall, R., Perrett, K., Bosch, B., Horner, R., and Gummow, B.** (2008). A serological prevalence survey of *Brucella abortus* in cattle of rural communities in the province of KwaZulu-Natal, South Africa. *S.Afr.vet.Ver.* **79**(1): 15–18.
- Holt, R.H., Eltholth, M.M., Hegazy, M.Y., El-Tras, F.W., Taye, A.A. and Guitian, J.** (2011): Brucella spp. infection in large ruminants in an endemic area of Egypt: cross-sectional study investigating seroprevalence, risk factors and livestock owner's knowledge, attitudes and practices (KAPs). *BMC Public Health*, **11**:341
- Iowa State University** (2009): Ames, Iowa 50011, The Center for food Security and Public Health, Institute for International Cooperation in Animal Biology.
- Jergefa, T., Kelay, B., Bekana, M., Teshale, S., Gustafson, H. and Kindahl, H.** (2009): Epidemiological study of bovine brucellosis in three agro-ecological areas of central Oromiya, Ethiopia. *Rev. sci. tech. Off. int. Epiz.*, **28** (3), 933-943.
- Kaoud, A.H., Manal, M.Z., EL-Dahshan, R.A. and Shima, A.Nasr.** (2010): Epidemiology of Brucellosis Among Farm Animals. *Nature and Science*; **8**(5). [naturesciencej@gmail.com](mailto:naturesciencej@gmail.com).
- Karimuribo, E.D., Ngowi, H.A., Swai, E.S. And Kambarage, D.M.** (2007): Prevalence of brucellosis in crossbred and indigenous cattle in Tanzania. *Livestock Research for Rural Development* **19** (10).

- Kathleen, M.G., Lynn, V.T.** (2008): Zoonosis Update Brucellosis. *JAVMA*, **233** (6): 900-908
- Kumar, A.** (2010): Brucellosis: Need of Public Health Intervention in Rural India. *Sec. Biol. Med. Sci.*, XXXI/1, 219–231.
- Kungu, M.J., Okwee-Acai, J., Ayebazibwe, C., Okech, G.S. and Erume, J.** (2010): Sero-prevalence and risk factors for brucellosis in cattle in Gulu and Amuru districts, Northern Uganda. *Africa Journal of Animal and Biomedical Sciences* **5**(3): 1819-4214.
- Livestock Market Statistical Data**, 9th Edition (2004): Animal Resources Services Corporation ( ARSC), Omdurman.
- Lopes, B.L., Nicolino, R. and Haddad, A.P.J.** (2010): Brucellosis - Risk Factors and Prevalence: A Review. *The Open Veterinary Science Journal*, 2010, **4**, 72-84.
- Luna-Martínez, J.E. and Mejía-Terán, C.** (2002): Brucellosis in Mexico: current status and trends. *Vet Microbial*, **90**, 19-30.
- Makita, K., Fevre, M.E., Waiswa, C., Eisler, C.M. and Thrusfield, M.** (2011): Herd prevalence of bovine brucellosis and analysis of risk factors in cattle in urban and peri-urban areas of the Kampala economic zone, Uganda. *BMC Veterinary Research* 2011, **7**:60 doi:10.1186/1746-6148-7-60. <http://www.biomedcentral.com/1746-6148/7/60>.
- Mangen, M.-J., Otte, J., Pfeiffer, D. and Chilonda, P.** (2002): Bovine brucellosis in Sub-Saharan Africa: Estimation of sero-prevalence

and impact on meat and milk offtake potential. Food and Agriculture Organization Livestock Information and Policy Branch, AGAL. Livestock Policy Discussion Paper No. 8.5-53.

**Martin, w., Meek, H.A., and Willeberg, p.** (1987): Veterinary Epidemiology principles And Methods, Second printing, United State of America.

**Matope, G., Bhebhe, E., Muma, J.B., Oloya, J., Madekurozwa, R.L., Lund, A. and Skjerve, E.** (2011): Seroprevalence of brucellosis and its risk factors in cattle from smallholder dairy farms in Zimbabwe. *Tropical Animal Health and Production*, 43:975-979.

**Megersa, B., Biffa, D., Abunna, F., Regassa, A., Godfroid, J. and Skjerve, E.** (2011a): Seroprevalence of brucellosis and its contribution to abortion in cattle, camel, and goat kept under pastoral management in Borana, Ethiopia. *Trop Anim Health Prod.* 43: 651–656.

**Megersa, B., Biffa, D., Niguse, F., Rufae, T., Asmare, K. and Skjerve, E.** (2011b): Cattle brucellosis in traditional livestock husbandry practice in Southern and Eastern Ethiopia, and its zoonotic implication. *Acta Veterinaria Scandinavica* 2011, 53:24 <http://www.actavetscand.com/content/53/1/24>.

**Michael, J.C.** (1997): 1<sup>st</sup> International Conference on Emerging Zoonoses, Brucellosis: an overview. *Emerging Infectious Disease* (3): 1-16.

**Mohammed, U.F., Ibrahim, S., Ajogi, I., and Olaniyi, O.J.B.,** (2011): Prevalence of Bovine Brucellosis and Risk Factors Assessment in Cattle Herds in Jigawa State. *International Scholarly*



Research Network, ISRN Veterinary Science, Volume 2011, Article ID 132897, 4 pages, doi:10.5402/2011/132897.

- Mohud, M.G.** (1989): Brucellosis in Gezira Area, Central Sudan. *J. Trop. Med. Hyg.*, 92: 86 - 88
- Musa, M.T.** (1990): Livestock population production and the situation of animal and human brucellosis in Sudan. FAO-MINEADEP Brucellosis Workshop, Kuwait, 21 – 24 January.
- Musa, M.T.** (1995): Brucellosis in Darfur. The magnitude of the problem and methods of control. Ph.D. thesis university of Khartoum, Sudan.
- Musa, M.T., El Sanousi, E.M., Angara, E.E.T. and Ali, A.A.** (2008): Brucellosis, a Challenge to Veterinarians in Africa: The situation of disease in the Sudan. The proceeding of the first scientific conference (ARRC). 17- 21.
- Negreiros, R.L., Dias, R.A. and Ferreira, F.** (2009): Epidemiologic situation of bovine brucellosis in the State of Mato Grosso, Brazil. *Arq Bras Med Vet Zootec*; **61** (1): 56-65.
- Ogata, R.A., Gonçalves, V.S.P. and Figueiredo, V.C.F.** (2009): Epidemiological situation of bovine brucellosis in the State of Tocantins, Brazil. *Arq Bras Med Vet Zootec*; **61** (1): 126-34.
- OIE Terrestrial Manual** (2009): Chapter 2.4.3. — Bovine brucellosis. World Organization for Animal Health (OIE) <http://www.oie.int>
- OIE, (2008):** Bovine Brucellosis, Manual of Diagnostic Tests and Vaccines for Terrestrial Animals. Sixth Edition Volume 2  
[http://www.oie.int/eng/normes/mmanual/a\\_summry.htm](http://www.oie.int/eng/normes/mmanual/a_summry.htm).

- Omer, E., Habiballa, N. and Dafalla, E.A.** (1977). Studies on bovine and human brucellosis in the Sudan: 11 The detection of Brucella antibodies in sera of persons in contact with cattle in the Sudan. *Med. J. Trop. Hyg.*, 15: 42 \_ 47.
- Omer, M.K., Skjerve, E., Holstad, G., Woldehiwet, Z. and Macmillan, P.A.** (2000): Prevalence of Antibodies to Brucella spp. in Cattle, Sheep, Goats, Horses and Camels in the State of Eritrea; Influence of Husbandry System. *Epidemiology and Infection*, **125** (2): 447- 453.
- Omer, M.M., Musa,T.M., Bakhiet, R.M. and Perrett, L.** (2010): Brucellosis in camels, cattle and humans: associations and evaluation of serological tests used for diagnosis of the disease in certain nomadic localities in Sudan. *Rev. sci. tech. Off. int. Epiz.* **29** (3): 663-669.
- Osman, M.M.** (2004): Lecture notes on brucellosis ( unpublished data) Malta Fever in the Sudan. Training workshop on surveillance, diagnosis and control on brucellosis, Federal Ministry of Animal Recourses, Directorate of Animal Health and Epidemics control.
- Otlu, S., Sahin, M., Atabay, H.I. and Unver, A.** (2008): Serological Investigations of Brucellosis in Cattle, Farmers and Veterinarians in the Kars District of Turkey. *Acta Vet Brno* 2008, **77**:117-121.
- Poester, F.P., Ramos, E.T.T. and Hiesen, S.V.** Application Of Enzyme-Linked Immunosorbent Assays For The Diagnosis Of Bovine Brucellosis In Rio Grande Do Sul, Brazil. *Centro de Pesquisa Veterinaria Desiderio Finamor*.

- Purcel, K.B.L., Hoover, L.D. and Friedlander, M. A.** Brucellosis, *Medical Aspects of Biological Warfare* (Online). pp: 185-198
- Quinn, J.P., Markey, K.B., Carter, E.M., Donnelly, J.W. and Leonard, C.F.** *Veterinary Microbiology and Microbial Disease*. Blackwell Science.
- Radostits, O.M., Gay, C.C., Blood, D.C. and Hinchcliff, K.W.,** (2000): Disease caused by *Brucella spp.* A Textbook of the Disease of Cattle, Sheep, Pigs, Goats and Horses. Ninth edition, London, Harcourt publishers limited.
- Rahman, S.M., Faruk, O.M., Her, M., Kim, Y.J., Kang, I.S. and Jung, C.S.,** (2011): Prevalence of brucellosis in ruminants in Bangladesh. *Veterinarian Medicina*, **56**(8): 379–385.
- Samartino LE.** (2002): Brucellosis in Argentina. *Vet Microbial*. **90**: 71-80.
- Shresth, J.M.** (2004): Zoonotic Diseases, Zoonoses Control sub-division, Epidemiology and Disease Control Division, Department of Health Services, Ministry of Health.
- Silva, V.G.S.O., Dias, R.A. and Ferreira, F.** (2009): Epidemiological situation of bovine brucellosis in the State of Sergipe, Brazil. *Arq Bras Med Vet Zootec*; **61** (1): 109-117.
- Simpson, R.J.S.** (1908): Malta fever from the Blue Nile. *J. Roy. Army. Med. Corps.*, **11**: 593
- Sriranganathan, N., Seleem, N.M., Olsen, C.S., Samartino, E.L., Whatmore, M.A., Bricker, B., David, O.C., Halling, M.S., Crasta, R.O., Wattam, R.A., Purkayastha, A., Sobral, W.B., Snyder, E.E., Williams, P.K., Gong-Xi, Yu., Ficht, A.T., Roop,**

- R.M., Paul, D., Boyle, M.S., He, Y., and Tsolis, M.R. (2009):** Genome Mapping and Genomics in Animal-Associated Microbes. <http://www.springer.com/978-3-540-74040-7>.
- Staak, J.A. (1990):** Serological techniques in brucellosis interpretation of results. First International Conference on Brucellosis, March 1920, Mosul, Iraq.
- Stack, J.A. and MacMillan, A.P. (2006):** FAO/WHO Collaborating Centre for Reference and Research on Brucellosis. <http://progress.box.co.il/brunet/forums/dispmsg.asp?msgid=1>.
- Stack, J.A. and MacMilland, A.P. (2003).** Evaluation of Competitive ELISA for Detection of Antibodies to Brucella Infection in Domestic Animals. FAO/WHO Collaborating Centre for Reference and Research on Brucellosis. Central Veterinary Laboratory, New Haw Addlestone, Surrey, KT15 3NB, United Kingdom. PMC.
- Swai, E.S., Mshanga, D., Sanka, N.P. and Marandu, N.H., (2003):** Prevalence of bovine brucellosis in smallholder dairying farming area, Moshi, Tanzania.
- Thrusfield, M. (1995):** Veterinary Epidemiology, Second Edition by Black Well Science Ltd.
- Tun, N.T. (2007):** Prevalence Survey of Bovine Brucellosis (*Brucella abortus*) in Dairy Cattle in Yangon, Myanmar (Master Thesis).
- Veterinary Laboratories Agency (VLA), (2009):** Working for public and animal health CompElisa, A competitive ELISA kits for detection of antibodies against brucella in serum samples.

**Xavier, N.M., Paixão, A.T., den Hartigh, B.A., Tsolis, M.R. and Santos, L.R.** (2010): Pathogenesis of *Brucella* spp. *The Open Veterinary Science Journal*, **4**: 109-118.