

7 Literaturverzeichnis

Afework, Y. (1998): Field investigations on the appearance of drug resistant populations of trypanosomes in Metekel district, North-West Ethiopia. M.Sc.-Thesis, Freie Universität Berlin-Addis Ababa University, pp. 59.

Ali, B.H. and T. Hassan (1984): Preliminary pharmacokinetic study of isometamidium chloride in camels. Res. Vet. Sci. **37**, 376-377.

Artama, W. T., M.W. Agey and J.E. Donelson (1992): DNA comparisons of *Trypanosoma evansi* (Indonesia) and *Trypanosoma brucei* spp. Parasitology **104**, 67-74.

Authie, E. (1984): Mise en évidence d'une résistance aux trypanocides parmi des souches des *Trypanosoma congolense* récemment isolées au Burkina. Rev. Elev. Méd. Vét. Pays Trop. **37**, 219-235.

Baltz, T., D. Baltz, G. Giroud and J. Crockett (1985): Cultivation in a semi-defined medium of animal infective forms of *Trypanosoma brucei*, *T. equiperdum*, *T. evansi*, *T. rhodesiense* and *T. gambiense*. EMBO J. **4**, 1273-1277.

Bauer, B., S. Amsler-Delafosse, P.-H. Clausen, I. Kabore and J. Petrich-Bauer (1995): Successful application of deltamethrin pour on to cattle in a campaign against tsetse flies (*Glossina* spp.) in the pastoral zone of Samorogouan, Burkina Faso. Trop. Med. Parasitol. **46**, 183-189.

Bengaly, Z., M. Kasbari, M. Desquesnes and I. Sidibé (2001): Validation of a polymerase chain reaction assay for monitoring the therapeutic efficacy of diminazene aceturate in trypanosome-infected sheep. Vet. Parasitol. **96**, 101-113.

Beyene, T. (1993): Report on trypanosomiasis control in Tana Beles Project. Tana Beles Technical Report, Ministry of Agriculture, Addis Ababa, Ethiopia.

Bizimana, N., U. Tietjen, K.-H. Zessin, D. Diallo, C. Djibril, M.F. Melzig and P.-H. Clausen (2004): Untersuchungen zur Bestimmung der Wirksamkeit von afrikanischen Arzneipflanzen gegen Trypanosoem. Tagung der DVG-Fachgruppe “Parasitologie und Parasitäre Krankheiten”, 9.-11. Juni 2004 in Starnberg bei München (Abstract).

Borowy, N.K., H. Hirumi, H.K. Waithaka and G. Mkoji (1985): An assay for screening drugs against animal-infective bloodstream forms of *Trypanosoma brucei brucei* *in vitro*. Drugs Exp. Clin. Res. **11**, 155-161.

Boucoum, Z. (2004): Test de sensibilité au diminazène des isolats de trypanosomes issus des travaux de la première phase du projet dans le cercle de Sikasso. Rapport final, Laboratoire Central Vétérinaire, Bamako, Mali.

Brun, R. and S.K. Moloo (1982): *In vitro* cultivation of animal-infective forms of a West African *Trypanosoma vivax* stock. Acta Trop. **39**, 135-141.

Brun, R. and C. Kunz (1989): *In vitro* drug sensitivity test for *Trypanosoma brucei* subgroup bloodstream trypomastigotes. Acta Trop. **46**, 361-368.

Clausen, P.-H., I. Sidibe, I. Kaboré and B. Bauer (1992a): Development of multiple drug resistance of *Trypanosoma congolense* in Zebu cattle under high natural tsetse fly challenge in the pastoral zone of Samorogouan, Burkina Faso. Acta Trop. **51**, 229-236.

Clausen, P.-H., F. Hörchner, V.M. Nantulya, A.J. Musoke, D. Röttcher and D. Schillinger (1992b): Pathological changes in cerebrospinal fluid (CSF) from camels (*Camelus dromedarius*) experimentally infected with *Trypanosoma evansi*. First International Seminar on Non-Tsetse Transmitted Animal Trypanosomoses (NTTAT), Annecy, France, October 14-16, 1992 (Abstract).

Clausen, P.-H., I. Sidibé, A. Bassinga, X. Richard, B. Bauer and H. Pohlit (1993): Pathogenesis and pathology of African trypanosomosis in Baoulé, N'Dama/Baoulé cross bred and Zebu cattle in Burkina Faso. 1. Clinical performance under high natural tsetse challenge. *Trop. Med. Parasitol.* **44**, 99-107.

Clausen, P.-H., A. Wiemann, R. Patzelt, D. Kakaire, C. Poetzsch, A. S. Peregrine and D. Mehlitz (1998): Use of a PCR assay for the specific and sensitive detection of *Trypanosoma* spp. in naturally infected dairy cattle in peri-urban Kampala, Uganda. *Ann. N. Y. Acad. Sci.* **849**, 21-31.

Clausen, P.-H., C. Waiswa, E. Katunguka-Rwakishaya, G. Schares, S. Steuber and D. Mehlitz (1999): Polymerase chain reaction and DNA probe hybridization to assess the efficacy of diminazene treatment in *Trypanosoma brucei*-infected cattle. *Parasitol. Res.* **85**, 206-211.

Clausen, P.-H., D. Grace, O. Diall, B. Diallo, A.M. Barry, S. Münstermann, Z. Bocoum, B. Diarra, I. Sidibe, H. Affognon, H. Waibel, T. Randolph and J.J. McDermott (2004): Improving the management of trypanocide resistance in the cotton zone of West Africa: a coordinated regional study. 21. Tagung der Deutschen Gesellschaft für Parasitologie, Würzburg, 17.-20. März 2004. *Int. J. Med. Microbiol.* **293** (Suppl. 38), 67 (Abstract 59).

Codjia, V., W. Mulatu, P.A.O. Majiwa, S.G.A. Leak, G.J. Rowlands, E. Authie, G.D.M. d'Ieteren and A.S. Peregrine (1993): Epidemiology of bovine trypanosomiasis in the Ghibe valley, southwest Ethiopia. 3. Occurrence of populations of *Trypanosoma congolense* resistant to diminazene, isometamidium and homidium. *Acta Trop.* **53**, 151-163.

De Greef, C. and R. Hamers (1994): The serum resistance-associated (SRA) gene of *Trypanosoma brucei rhodesiense* encodes a variant surface glycoprotein-like protein. *Mol. Biochem. Parasitol.* **68**, 277-284.

De Greef, C., H. Imberechts, G. Matthyssens, N. Van Meirvenne and R. Hamers (1989): A gene expressed only in serum-resistant variants of *Trypanosoma brucei rhodesiense*. *Mol. Biochem. Parasitol.* **36**, 169-176.

Desjardins, R.E., R.A. Casero, G.P. Willet, G.E. Childs and C.J. Canfield (1980): *Trypanosoma rhodesiense*: semiautomated microtesting for quantitation of antitrypanosomal activity *in vitro*. *Exp. Parasitol.* **50**, 260-271.

Desquesnes, M. and A.M.R. Dávila (2002): Applications of PCR-based tools for detection and identification of animal trypanosomes: a review and perspectives. *Vet. Parasitol.* **109**, 213-231.

Desquesnes, M., G. McLaughlin, A. Zoungrana and A.M.R. Dávila (2001): Detection and identification of *Trypanosoma* of African livestock through a single PCR based on internal transcribed spacer 1 of rDNA. *Int. J. Parasitol.* **31**, 610-614.

- Diall, O., P.-H. Clausen, M.B. Diallo, S. Muenstermann, Z. Bocoum, B. Diarra, A.M. Barry, Z. Bengaly, H. Affognon, T. Randolph and J. McDermott (2003): Field characterization of trypanocide resistance in the cotton zone of West Africa. Proceedings of the 10th Symposium of the International Society for Veterinary Epidemiology and Economics (ISVEE), Viña del Mar, Chile, November 17-21, 2003.
- Diarra, B. (2001): Charactérisation de la sensibilité à l'isométamidium et au diminazène des phénotypes de trypanosomes isolés dans la Province du Kénédougou au Burkina Faso. Thèse Docteur 3^e cycle., Université Cheikh Anta Diop de Dakar, Senegal, No d'ordre: **253**, pp. 177.
- Edingloh, M., C.C. Merck and E. Manz. (1999): Multiplex-PCR zum diagnostischen Nachweis von *Coxiella burnetii* aus Kuhmilch. Berl. Münch. Tierärztl. Wochenschr. **112**, 5-9.
- Eisler, M.C., E.A. Gault, H.V. Smith, A.S. Peregrine and P.H. Holmes (1993): Evaluation and improvement of an enzyme-linked immunosorbent assay for the detection of isometamidium in bovine serum. Ther. Drug Monit. **15**, 236-242.
- Eisler, M.C., R.O.A. Arowolo, E.A. Gault, S.K. Moloo, P.H. Holmes and A.S. Peregrine (1994): Isometamidium concentrations in the sera of Boran cattle: correlation with prophylaxis against tsetse-transmitted *Trypanosoma congolense*. Acta Trop. **56**, 39-50.
- Eisler, M.C., E.A. Gault, S.K. Moloo, P.H. Holmes and A.S. Peregrine (1997): Concentrations of isometamidium in the sera of cattle challenged with drug-resistant *Trypanosoma congolense*. Acta Trop. **63**, 89-100.

Eisler, M.C., J.J. McDermott, R. Mdachi, G.A. Murilla, L. Sinyangwe, J. Mubanga, N. Machila, H. Mbwambo, P.G. Colemann, P.-H. Clausen, B. Bauer, I. Sidibé, S. Geerts, P.H. Holmes and A.S. Peregrine (2000a): Rapid method for the assessment of trypanocidal drug resistance in the field. Proceedings of the 9th Symposium of the International Society for Veterinary Epidemiology and Economics (ISVEE), Breckenridge, Colorado, USA, August 6-11, 2000.

Eisler, M.C., J.M. Ndung'u, G.A. Murilla, R.M. Mdachi, H. Mbwambo, L. Sinyangwe, N. Machila, V. Delespaux, S. Geerts, J. Brandt, A.S. Peregrine, J.J. McDermott and P.H. Holmes (2000b): Area-wide appraisal of drug resistance in trypanosomes infecting cattle in East and Southern Africa. In: Newsletter on Integrated Control of Pathogenic Trypanosomes and their Vectors **2**, 16-18.

Eisler, M.C., J. Brandt, B. Bauer, P.-H. Clausen; V. Delespaux, P.H. Holmes, A. Ilemobade, N. Machila, H. Mbwambo, J. McDermott, D. Mehlitz, G. Murilla, J.M. Ndung'u, A.S. Peregrine, I. Sidibe, L. Sinyangwe and S. Geerts (2001). Standardised tests in mice and cattle for the detection of drug resistance in tsetse-transmitted trypanosomes of African domestic cattle. *Vet. Parasitol.* **97**, 171-182.

Enyaru, J.C.K., J.R. Stevens, M. Odiit, N.M. Okuna and J.F. Carasco (1993): Isoenzyme comparison of Trypanozoon isolates from two sleeping sickness areas of south-eastern Uganda. *Acta Trop.* **55**, 97-115.

Erkelens, A.M., R.D. Dwyer, B. Bedane, J.H.W. Slingenbergh and W. Wint (2000): Selection of priority areas for tsetse control in Africa; a decision tool using GIS in Didessa valley, Ethiopia, as a pilot study. In: *Animal Trypanosomosis: Diagnosis and Epidemiology*. ISBN 90-5782-065-X, International Atomic Energy Agency, Vienna, Austria, 213-227.

- Frommel, T.O. (1988): *Trypanosoma brucei rhodesiense*. Effect of immunosuppression on the efficacy of Melarsoprol treatment of infected mice. *Exp. Parasitol.* **67**, 364-366.
- Frommel, T.O. and A.E. Balber (1987): Flow cytofluorometric analysis of drug accumulation by multidrug-resistant *Trypanosoma brucei brucei* and *T. b. rhodesiense*. *Mol. Biochem. Parasitol.* **26**, 183-191.
- Gall, Y. (2002): PCR und DNA-Sondenhybridisierung zur Überprüfung des Behandlungserfolges von Trypanosomeninfektionen bei Rindern in der Provinz Kénédougou in Burkina Faso, Westafrika. Vet.-Med. Dissertation, Freie Universität Berlin, Journal Nr. **2659**, pp. 187.
- Gebre, Y. (2002): Differential reestablishment of voluntary and involuntary migrants: The case of Metekel settlers in Ethiopia. *Afr. Study Monogr.* **23**, 31-46.
- Geerts, S. and P.H. Holmes (1998): Drug management and parasite resistance in bovine trypanosomiasis in Africa. PAAT technical and scientific series no. 1. FAO, Rome, pp. 31.
- Gibson, W. C., P. Dukes and J.K. Gashumba (1988): Species-specific DNA probes for the identification of African trypanosomes in tsetse flies. *Parasitology* **97**, 63-73.
- Gibson, W., T. Backhouse and A. Griffiths (2002): The human serum resistance associated gene is ubiquitous and conserved in *Trypanosoma brucei rhodesiense* throughout East Africa. *Infect. Genet. Evol.* **1**, 207-214.

Gilbert, M., C. Jenner, J. Pender, D. Rogers, J. Slingenbergh and W. Wint (2001): The development and use of the Programme Against African Trypanosomosis Information System (PAATIS). Proceedings of the workshop on planning for trypanosomosis control: Data management and decision support systems, including risk assessment and disease impact evaluation, held 21-24 June 1999 in Harare, Zimbabwe. In: Newsletter on Integrated Control of Pathogenic Trypanosomes and their Vectors **3**, 10-12.

Grace, D., T. Randolph and P.-H. Clausen (2004): Promoting the rational use of animal health drugs for the prevention of drug resistance. In: K.J. Peters, D. Kirschke, W. Manig, A. Bürkert, R. Schultze-Kraft, L. Bharati, C. Bonte-Friedheim, A. Deininger, N. Bhandari, W. Weitkamp (Eds.), Deutscher Tropentag 2004, Rural poverty reduction through research for development and transformation, Humboldt-Universität zu Berlin, Berlin, October 5-7, 2004 (Abstract).

Gray, M.A. and A.S. Peregrine (1993): An *in vitro* assay for drug sensitivity of *Trypanosoma congolense* using *in vitro*-derived metacyclic trypanosomes. Acta Trop. **54**, 291-300.

Gray, M.A., C.A. Ross, A.M. Taylor, L. Tetley and A.G. Luckins (1985): *In vitro* cultivation of *Trypanosoma congolense*: the production of infective forms from metacyclic trypanosomes cultured on bovine endothelial cell monolayers. Acta Trop. **42**, 99-111.

Greiner, M. (2003): Serodiagnostische Tests. Evaluierung und Interpretation in der Veterinärmedizin und anderen Fachgebieten. Springer-Verlag, Berlin, Heidelberg, pp. 240.

Hawking, F. (1963): Drug resistance of *Trypanosoma congolense* and other trypanosomes to quinapyramine, phenanthridines, Berenil and other compounds in mice. Ann. Trop. Med. Parasitol. **57**, 262-282.

Hide, G., A. Tait, I. Maudlin and S.C. Welburn (1996): The origins, dynamics and generation of *Trypanosoma brucei rhodesiense* epidemics in East Africa. Parasitol. Today **12**, 50-55.

Hirumi, H. and K. Hirumi (1984): Continuous cultivation of animal-infective bloodstream forms of an East African *Trypanosoma congolense* stock. Ann. Trop. Med. Parasitol. **78**, 327-330.

Hirumi, H., J.J. Doyle and K. Hirumi (1977): African trypanosomes: cultivation of animal-infective *Trypanosoma brucei* *in vitro*. Science **196**, 992-994.

Hoare, C.A. (1972): The Trypanosomes of Mammals. Blackwell Scientific Publications, Oxford and Edinburgh.

Hörchner, F. (1983): Neue Erkenntnisse über Pathogenese und Bekämpfung der Trypanosomiasis der Haustiere. Die Blauen Hefte **67**, 329-333.

Holmes, P.H., M.C. Eisler and S. Geerts (2004): Current chemotherapy of Animal Trypanosomiasis. In: I. Maudlin, P.H. Holmes and M.A. Miles (Eds.), The Trypanosomiases, CABI Publishing, Wallingford, Oxfordshire, UK, 431-444.

ICPTV (2000): Proceedings of the workshop on drug delivery and resistance in the context of integrated disease management, held 31 May-4 June 1999, in Nairobi, Kenya. In: Newsletter on Integrated Control of Pathogenic Trypanosomes and their Vectors, **2**, pp. 36.

Jabbar, M.A., B.M. Swallow, G.D.M. d'Ieteren and B. Adesina (1998): Farmer preferences and market values of cattle breeds of West Africa and Central Africa. Afr. J. Sust. Agri. **12**, 21-47.

Jennings F.W., D.D. Whitelaw and G.M. Urquhart (1977): The relationship between duration of infection with *Trypanosoma brucei* in mice and the efficacy of chemotherapy. *Parasitology* **75**, 143-153.

Jennings F.W., D.D. Whitelaw, P.H. Holmes, H.G.B. Chizyuka and G.M. Urquhart (1979): The brain as a source of relapsing *Trypanosoma brucei* infection in mice after chemotherapy. *Int. J. Parastiol.* **9**, 381-384.

Kaminsky, R., F. Chuma and E. Zweygarth (1989): *Trypanosoma brucei brucei*: expression of drug resistance *in vitro*. *Exp. Parasitol.* **69**, 281-289.

Kaminsky, R., F. Chuma and E. Zweygarth (1993): *Trypanosoma congolense*: *in vitro* susceptibility of bloodstream forms to diminazene and isometamidium. *Exp. Parasitol.* **76**, 213-215.

Kaminsky, R., I.D. Gumm, E. Zweygarth and F. Chuma (1990): A drug incubation infectivity test (DIIT) for assessing resistance in trypanosomes. *Vet. Parasitol.* **34**, 335-343.

Karanja, S.M. (1999): Epidemiology of bovine trypanosomosis in selected sites of the southern rift valley of Ethiopia. M.Sc.-Thesis, Freie Universität Berlin – Addis Ababa University, pp. 112.

Karanja, W.M., R.E. Mdachi and G.A. Murilla (2002): A competitive enzyme-linked immunosorbent assay for diminazene. *Acta Trop.* **84**, 75-81.

Kenneth, H. R. (1995): Optimisation and troubleshooting in PCR. *PCR Methods Appl.* **4**, 185-194.

Kinabo, L.D.B. (1993): Pharmacology of existing drugs for animal trypanosomiasis. *Acta Trop.* **54**, 169-183.

- Knoppe, T.N. (2002): Untersuchungen zur Medikamentenempfindlichkeit von *Trypanosoma congolense* (BRODEN, 1904) Stämmen aus Rindern in Burkina Faso, Westafrika. Vet.-Med. Dissertation, Freie Universität Berlin, Journal Nr. **2595**, pp. 122.
- Knoppe, T.N., B. Bauer, J.J. McDermott, A.S. Peregrine, D. Mehlitz, P.-H. Clausen (2006): Isometamidium sensitivity of *Trypanosoma congolense* stocks from cattle in West Africa tested in mice and the drug incubation infectivity test. Acta Trop. **97**, 108-116.
- Kukla, B.A., P.A.O. Majiwa, J.R. Young, S.K. Moloo and O.K. Ole-MoiYoi (1987): Use of species-specific DNA probes for detection and identification of trypanosome infection in tsetse flies. Parasitology **95**, 1-16.
- Lanham, S.M. and D.G. Godfrey (1970): Isolation of salivarian trypanosomes from man and other mammals using DEAE-cellulose. Exp. Parasitol. **28**, 521-534.
- Laveran, A. (1902): De l'action du serum humain sur le trypanosome du nagana (*Trypanosoma brucei*). C. R. Acad. Sci. (Paris) **134**, 735-739.
- Leak, S.G.A. (1994): Report of a visit to the peri-urban dairy project in Mukono County with the Collaborative Research Unit, Entebbe, Uganda, pp. 7.
- Leeflang, P., J. Buys and C. Blotkamp (1976): Studies on *Trypanosoma vivax*: infectivity and serial maintenance of natural bovine isolates in mice. Int. J. Parasitol. **6**, 413-417.
- Lumsden, W.H.R., C.D. Kimber, D.A. Evans and S.J. Doig (1979): *Trypanosoma brucei*: miniature-anion exchange centrifugation technique for detection of low parasitaemias: adaptation for field use. Trans. R. Soc. Trop. Med. Hyg. **73**, 312-317.
- MAAIF (1993): Master plan for the dairy sector. Ministry of Agriculture, Animal Industry and Fisheries; Kampala, Uganda.

Mäser, P., Ch. Sütterlin, A. Kralli and R. Kaminsky (1999). A nucleoside transporter from *Trypanosoma brucei* involved in drug resistance. *Science* **285**, 242-244.

Majiwa, P.A.O, M. Maina, J.N. Waitumbi, S. Mihok and E. Zweygarth (1993): *Trypanosoma (Nannomonas) congolense*: molecular characterization of a new genotype from Tsavo, Kenya. *Parasitology* **106**, 151-162.

Majiwa, P.A., R. Thatthi, S.K. Moloo, J.H Nyeko, L.H. Otieno and S. Maloo (1994): Detection of trypanosome infections in the saliva of tsetse flies and buffy-coat samples from antigenaemic but aparasitaemic cattle. *Parasitology* **108**, 313-322.

Mamman, M., G. Gettinby, N.B. Murphy, S. Kemei and A.S. Peregrine (1995): Frequency of diminazene-resistant trypanosomes in populations of *Trypanosoma congolense* arising in infected animals following treatment with diminazene aceturate. *Anitmicrob. Agents Chemother.* **39**, 1107-1113.

Masake, R.A., V.M. Nantulya, G.W.O. Akol and A.J. Musoke (1984): Cerebral trypanosomiasis in cattle with mixed *Trypanosoma congolense* and *T. brucei brucei* infections. *Acta Trop.* **41**, 237-246.

Masake, R.A., P.A.O. Majiwa, S.K. Moloo, J.M. Makau, J.T. Njuguna, M. Maina, J. Kabata, O.K. Ole-MoiYoi and V.M. Nantulya (1997): Sensitive and specific detection of *Trypanosoma vivax* using the polymerase chain reaction. *Exp. Parasitol.* **85**, 193-205.

Masiga, D.K., J.J. McNamara and W.C. Gibson (1996): A repetitive DNA sequence specific for *Trypanosoma (Nannomonas) godfreyi*. *Vet. Parasitol.* **62**, 27-33.

Masiga, D.K., A.J. Smyth, P. Hayes, T.J. Bromidge and W.C. Gibson (1992): Sensitive detection of trypanosomes in tsetse flies by DNA amplification. *Int. J. Parasitol.* **22**, 909-918.

- Mbulamberi, D.B. (1989): A review of Human African Trypanosomiasis (HAT) in Uganda. *East Afr. Med. J.* **66**, 743-747.
- Mbulamberi, D.B. (1998): The impact of an integrated approach on the control of Rhodesiense Human African Trypanosomiasis (Sleeping Sickness) in south eastern Uganda. In: International Colloquium "Sleeping Sickness Rediscovered", December 14-18, 1998, Institute of Tropical Medicine, Antwerp, Belgium (Abstract).
- McNamara, J., P. Dukes, W.F. Snow and W.C. Gibson (1989): Use of DNA probes to identify *Trypanosoma congolense* and *T. simiae* in tsetse flies from The Gambia. *Acta Trop.* **46**, 55-61.
- Mehlitz, D. (1978): Untersuchungen zur Empfänglichkeit von *Mastomys natalensis* für *Trypanosoma (Trypanozoon) brucei gambiense*. *Tropenmed. Parasit.* **29**, 101-107.
- Mehlitz, D. (1985): Das Tierreservoir der Gambiense Schlafkrankheit. Habilitationsschrift, Fachbereich Veterinärmedizin, Freie Universität Berlin, pp. 192.
- Moser, D.R., G.A. Cook, D.E. Ochs, C.P. Bailey, M.R. McKane and J.E. Donelson (1989): Detection of *Trypanosoma congolense* and *Trypanosoma brucei* subspecies by DNA amplification using the polymerase chain reaction. *Parasitology* **99**, 57-66.
- MPED (1996): National food strategy: A response to overcome the challenge of poverty and growth. Report on the national forum on food strategy. Ministry of Planning and Economic Development; Kampala, Uganda.
- Mulligan, H.W. (1970): The African Trypanosomiases. George Allen and Unwin LtD., London.

- Mullis, K.B. and F.A. Faloona (1987): Specific synthesis of DNA *in vitro* via a polymerase-catalysed chain reaction. *Methods Enzymol.* **155**, 335-350.
- Mulugeta, W., J. Wilkes, W. Mulatu, P.A.O. Majiwa, R. Masake and A.S. Peregrine (1997): Long-term occurrence of *Trypanosoma congolense* resistant to diminazene, isometamidium and homidium in cattle at Ghibe, Ethiopia. *Acta Trop.* **64**, 205-217.
- Murray, M., W.I.M. McIntyre and P.K. Murray (1977): An improved parasitological technique for the diagnosis of african trypanosomiasis. *Trans. R. Soc. Trop. Med. Hyg.* **71**, 325-326.
- Murray, M., W.I. Morrison and D.D. Whitelaw (1982): Host susceptibility to African trypanosomiasis: Trypanotolerance. *Adv. Parasitol.* **21**, 1-68.
- Murray, M., G.D.M. d'Ieteren and A.J. Teale (2004): Trypanotolerance. In: I. Maudlin, P.H. Holmes and M.A. Miles (Eds.), *The Trypanosomiases*, CABI Publishing, Wallingford, Oxfordshire, UK, 461-477.
- Ndoutamia, G., S.K. Moloo, N.B. Murphy and A.S. Peregrine (1993): Derivation and characterisation of a quinapyramine resistant clone of *T. congolense*. *Antimicrob. Agents Chemother.* **37**, 1163-1166.
- Olila, D. (1999): Pharmacological and epidemiological studies on the drug-sensitivity of trypanosomes isolated from a peri-urban dairy production system in Uganda. Ph.D.-Thesis, University of Nairobi, pp. 311.
- Onyango, R.J.K., K. van Hoeve and P. de Raadt (1966): The epidemiology of *Trypanosoma rhodesiense* sleeping sickness in Alego location, Central Nyanza, Kenya. I. Evidence that cattle may act as a reservoir host of trypanosomes infectious to man. *Trans. R. Soc. Trop. Med. Hyg.* **60**, 175-182.

- Ormerod, W.E. (1961): The epidemic spread of Rhodesian sleeping sickness 1908-1960. Trans. R. Soc. Trop. Med. Hyg. **55**, 525-538.
- Ouédraogo, D. (2002): Analyse socio-économique des pratiques de gestion de la trypanosomose animale et les facteurs associés au développement de la chimio-résistance dans la province du Kénédougou, Burkina Faso. Thèse Doct., Université de Ouagadougou, Burkina Faso, pp. 210.
- Ouédraogo, D., J.B.M. Kamuanga, K. Savadogo, J. McDermott, F.T. Randolph, B. Diarra, T. Woitag, P.-H. Clausen and I. Sidibé (2003): Institutional factors and chemoresistance development in the cotton zone of western Africa: Evidence from Burkina Faso. Proceedings of the 26th International Council for Trypanosomosis Research and Control (ISCTRC) Meeting. Ouagadougou, Burkina Faso, 2001, OAU/STRC, Publication No. **121**, 336-342.
- Pagot, J. (1974): Les races trypanotolerantes. In: Les Moyens de Lutte contre les Trypanosomes et leurs Vecteurs. Actes du Colloque, Paris 12-15 Mars 1974, Institut d'Elévage et de Médecine Vétérinaire des Pays Tropicaux, Paris, 235-248.
- Paris, J., M. Murray and F. McOdimba (1982): A comparative evaluation of the parasitological techniques currently available for the diagnosis of African trypanosomiasis in cattle. Acta Trop. **39**, 307-316.
- Pellmann, C. (1999): Untersuchungen zur Anwendbarkeit von zwei *in-vitro* Testsystmen zur Charakterisierung der Diminazenukat-Empfindlichkeit von *Trypanosoma brucei*-Feldisolaten aus Süd-Ost-Uganda. Vet.-Med. Dissertation, Freie Universität Berlin, Journal Nr. **2254**, pp. 158.

Peltzer, R. (2005): Armutsbekämpfung durch Baumwollanbau. Beiträge zur Internationalen Zusammenarbeit. Entwicklung und Ländlicher Raum **1**, 26-29.

Peregrine, A.S. (1994): Chemotherapy and delivery systems: hemoparasites. Vet. Parasitol. **54**, 223-248.

Peregrine, A.S. and M. Mamman (1993): Pharmacology of diminazene: a review. Acta Trop. **54**, 185-203.

Peregrine, A.S., M.A. Gray and S.K. Moloo (1997): Cross-resistance associated with development of resistance to isometamidium in a clone of *Trypanosoma congolense*. Antimicrob. Agents Chemother. **41**, 1604-1606.

Peregrine, A.S., P.A.O. Majiwa and G.J. Rowlands (2000): Long-term occurrence of multiple-drug resistance in *Trypanosoma congolense* at Ghibe, Ethiopia. Proceedings of the Workshop on Drug delivery and resistance in the context of integrated disease management, held 31 May – 4 June 1999, Nairobi, Kenya. Newsletter on Integrated Control of Pathogenic Trypanosomes and their Vectors **2**, 22-23.

Peregrine, A.S., G. Knowles, A.I. Ibitayo, J.R. Scott, S.K. Moloo and N.B. Murphy (1991): Variation in resistance to isometamidium chloride and diminazene aceturate by clones derived from a stock of *Trypanosoma congolense*. Parasitology **102**, 93-100.

Pinder, M. and E. Authie (1984): The appearance of isometamidium resistant *Trypanosoma congolense* in West Africa. Acta Trop. **41**, 247-252.

Pötzsch, C.J. (1999): Krankheits- und Produktionsfaktoren in periurbanen Milchrinderherden. Vet.-Med. Dissertation, Freie Universität Berlin, Journal Nr. **2300**, pp. 149.

- Radwanska, M., M. Chamekh, L. Vanhamme, F. Claes, S. Magez, E. Magnus, P. De Baetselier, P. Buscher and E. Pays (2002): The serum resistance-associated gene as a diagnostic tool for the detection of *Trypanosoma brucei rhodesiense*. Am. J. Trop. Med. Hyg. **67**, 684-690.
- Reifenberg, J.-M., P. Solano, G. Duvallet, D. Cuisance, J. Simpore and G. Cuny (1997): Molecular characterization of trypanosome isolates from naturally infected domestic animals in Burkina Faso. Vet. Parasitol. **71**, 251-262.
- Rickman, L.R. and J. Robson (1970): The blood incubation infectivity test: a simple test which may serve to distinguish *Trypanosoma brucei* from *T. rhodesiense*. Bull. WHO **42**, 650-651.
- Ross, C.A. and A.M. Taylor (1990): *Trypanosoma congolense*: an *in vitro* assay to distinguish drug-resistant from drug-sensitive populations. Parasitol. Res. **76**, 326-331.
- Saiki, R.K., D.H. Gelfand, S. Stoffel, S.J. Scharf, R. Higuchi, G.T. Horn, K.B. Mullis and H.A. Erlich (1988): Primer-directed enzymatic amplification of DNA with a thermostable DNA polymerase. Science **239**, 487-491.
- Scheer, A. (2001): *In vitro*-Untersuchungen zur Medikamentenempfindlichkeit (Isometamidiumchlorid) von Trypanosomen (*Trypanosoma brucei*) aus Milchviehherden Ugandas. Vet.-Med. Dissertation, Freie Universität Berlin, Journal Nr. **2506**, pp. 132.
- Schillinger, D. (1985): Ursachen von Therapieversagern bei der Behandlung der Naganaseuche des Rindes. Tierärztl. Umschau **40**, 894-904.
- Schillinger, D., S.H. Maloo and D. Röttcher (1985): The toxic effect of intravenous application of the trypanocide isometamidium (Samorin[®]). Zentralbl. Veterinarmed. A. **32**, 234-239.

- Schönefeld, A. (1979): Parasitologischer-, klinischer- und Serumtiter- Verlauf bei mit *Trypanosoma evansi* (Steel, 1885) infizierten Ponys. Vet.-Med. Dissertation, Freie Universität Berlin, Journal Nr. **965**, pp. 71.
- Schwartz, D.C. and C.R. Cantor (1984): Separation of yeast chromosome-sized DNAs by pulsed field gradient gel electrophoresis. *Cell* **37**, 67-75.
- Seifert, H.S.H. (1992): Tropentierhygiene. Gustav Fischer Verlag, Jena, Stuttgart.
- Shahada Peter, F. (2000): Characterization of *Trypanosoma congolense* field isolates with different isometamidium chloride drug sensitivity phenotypes from south-west Burkina Faso using pulsed field gel electrophoresis. M.Sc.-Thesis, Freie Universität Berlin, pp. 100.
- Shahi, S. K., R.L. Krauth-Siegel and C.E. Clayton (2002): Overexpression of the putative thiol conjugate transporter TbMRPA causes melarsoprol resistance in *Trypanosoma brucei*. *Mol. Microbiol.* **43**, 1129-1138.
- Smith, D.H., J. Pepin and A.H.R. Stich (1998): Human African trypanosomiasis: an emerging public health crisis. *Br. Med. Bull.* **54**, 341-355.
- Solano, P., J.F. Michel, T. Lefrançois, S. de La Rocque, I. Sidibé, A. Zoungrana and D. Cuisance (1999): Polymerase chain reaction as a diagnosis tool for detecting trypanosomes in naturally infected cattle in Burkina Faso. *Vet. Parasitol.* **86**, 95-103.
- Sones, K.R. and P.H. Holmes (1992): The influence of the size of the initial inoculum on the efficacy of isometamidium (samorin) on a stock of *Trypanosoma congolense*. *Acta Trop.* **51**, 213-216.

Sones, K.R., A.R. Njogu and P.H. Holmes (1988): Assessment of sensitivity of *T. congolense* to isometamidium chloride: a comparison of tests using cattle and mice. *Acta Trop.* **45**, 153-164.

Stata Corporation (2000): Stata Statistical Software: Intercooled Stata Version 7. Stata Corporation, University Drive East College Station, Texas, USA.

Statistisches Bundesamt (1997): Länderbericht: Afrikanische Staaten der Franc Zone 1995. Metzler-Poeschel (ISBN 3-8246-0518-X), Stuttgart.

Sutherland, I.A., A. Mounsey and P.H. Holmes (1991b): Effect of isometamidium on *Trypanosoma congolense* infectivity. *Vet. Parasitol.* **39**, 13-17.

Sutherland, I.A., A.S. Peregrine, J.D. Lonsdale-Eccles and P.H. Holmes (1991a): Reduced accumulation of isometamidium by drug-resistant *Trypanosoma congolense*. *Parasitology* **103**, 245-251.

Tietjen, S., S.C. Welburn, M. Kalunda, D. Kakaire, U. Tietjen and D. Mehlitz (1991): Investigations on the significance of the animal reservoir of Rhodesiense sleeping sickness in Uganda. *Trop. Med. Parasitol.* **42**, 450.

Van der Ploeg, L.H.T., D.C. Schwartz, C.R. Cantor and P. Borst (1984): Antigenic variation in *Trypanosoma brucei* analyzed by electrophoretic separation of chromosome-sized DNA molecules. *Cell* **37**, 77-84.

Waiswa, C. (1996): Monitoring of trypanocidal therapy in cattle infected with *Trypanosoma brucei brucei*. MSc.-Thesis, Makerere University, Kampala, Uganda, pp. 90.

Walker, P.J. (1972): Capillary concentration technique applicable to infections of *T. congolense* in cattle. *Trans. R. Soc. Trop. Med. Hyg.* **66**, 348.

Waller, P.J. (1994): The development of anthelmintic resistance in ruminant livestock. *Acta Trop.* **56**, 233-243.

Welburn, S.C., K. Picozzi, E.M. Fèvre, P.G. Coleman, M. Ondiit, M. Carrington and I. Maudlin (2001): Identification of human-infective trypanosomes in animal reservoir of sleeping sickness in Uganda by means of serum-resistance associated (SRA) gene. *Lancet* **358**, 2017-2019.

Wellde, B.T., M.J. Reardon, D.A. Chumo, R.M. Kovatch, D. Waema, D.E. Wykoff, J. Mwangi, W.L. Boyce and J.S. Williams (1989): Cerebral trypanosomiasis in naturally-infected cattle in the Lambwe Valley, south Nyanza, Kenya. *Ann. Trop. Med. Parasitol.* **83**, 151-160.

Whitelaw, D.D., J.E. Moulton, W.I. Morrison and M. Murray (1985): Central nervous system involvement in goats undergoing primary infection with *Trypanosoma brucei* and relapse infection after chemotherapy. *Parasitology* **90**, 255-268.

Whiteside, E.F. (1960): Recent work in Kenya on the control of drug resistant cattle trypanosomiasis. Proceedings of the 8th International Council for Trypanosomosis Research and Control (ISCTR) Meeting. Jos, Nigeria, 1960, Publication No. **62**, 141-154.

WHO (1986): Epidemiology and control of African trypanosomiasis. Report of a WHO Expert Committee. World Health Organ. Tech. Rep. Ser. **739**, pp.127.

WHO (1998): Control and surveillance of African trypanosomiasis. Report of a WHO Expert Committee. World Health Organ. Tech. Rep. Ser. **881**, pp.113.

- Wilkes, J.M., A.S. Peregrine and D. Zilberstein (1995): The accumulation and compartmentalization of isometamidium chloride in *Trypanosoma congolense*, monitored by its intrinsic fluorescence. Biochem. J. **312**, 319-329.
- Williamson, J. (1976): Chemotherapy of African trypanosomiasis. Trop. Dis. Bull. **73**, 531-542.
- Woitag, T. (2003): Untersuchungen zum Vorkommen und zur Verbreitung von medikamentenresistenten Trypanosomenpopulationen in Rinderherden der Provinz Kénédougou im Südwesten von Burkina Faso, Westafrika. Vet.-Med. Dissertation, Freie Universität Berlin, Journal Nr. **2718**, pp. 186.
- Woo, P.T.K. (1970): The haematocrit centrifuge technique for the diagnosis of African trypanosomiasis. Acta Trop. **27**, 384-386.
- York, W., A.R.D. Adams and F. Murgatroyd (1930): Studies in chemotherapy. II. The action *in vitro* of normal human serum on the pathogenic trypanosomes, and its significance. Ann. Trop. Med. Parasitol. **24**, 115-163.
- Zilberstein, D, J. Wilkes, H. Hirumi and A.S. Peregrine (1993): Fluorescence analysis of the interaction of isometamidium with *Trypanosoma congolense*. Biochem. J. **292**, 31-35.
- Zweygarth, E., G. Rehbein and J.S. Ahmed (1982): *In vitro* Kultivierung infektiöser Blutformen von *Trypanosoma (T.) brucei evansi* (Steel 1885). Berl. Münch. Tierärztl. Wochenschr. **95**, 407-408.
- Zweygarth, E., R. Kaminsky and M.A. Gray (1991): *In vitro* assessment of isometamidium chloride susceptibility of *Trypanosoma vivax* bloodstream forms. Parasitol. Res. **77**, 714-716.

Die Zeitschriften wurden abgekürzt nach:

List of journals indexed in Index Medicus 2001, National Library of Medicine, U.S. Department of Health and Human Services, Bethesda, Maryland, 2001,

bzw. ältere Zeitschriften nach:

Serial Sources for the BIOSISDATA BASE, Bio Sciences Information Service (BIOSIS), Philadelphia, U.S.A., ISSN: 0162-2048, 1986.