

## 8 LITERATURVERZEICHNIS

- ABDEL GADIR F, ABDEL RAZIG M EL T, OSMAN OM. Sensitivity of ethidium bromid resistant *Trypanosoma congolense* strain to Samorin and Berenil. Sudan J Vet Sci Anim Husb 13: 68-73, 1972.
- AFEWERK Y, CLAUSEN P-H, ABEBE G, TILAHUN G, MEHLITZ D. Multiple-drug resistant *Trypanosoma congolense* populations in village cattle of Metekel district, north-west Ethiopia. Acta Trop 76: 231-238, 2000.
- AINANSHE OA, JENNINGS FW, HOLMES PH. Isolation of drug-resistant strains of *Trypanosoma congolense* from the lower Shabelle region of southern Somalia. Trop Anim Health Prod 24: 65-73, 1992.
- AUTHIÉ E. Mise en évidence d'une résistance aux trypanocides parmi des souches de *Trypanosoma congolense* récemment isolées au Burkina. (Demonstration of resistance to trypanocides among the species of *Trypanosoma congolense* recently isolated in Burkina). Rev Elev Med Vet Pays Trop 37 (N° spécial): 219-235, 1984.
- BALTZ T, BALTZ D, GIROUD CH, CROCKETT J. 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, 1985.
- BAUER B, AMSLER-DELAFOSSÉ S, CLAUSEN P-H, KABORE H, PETRICH-BAUER J. 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, 1995.
- BAUER F. Trypanosomen- und Babesienerkrankungen in Afrika und ihre Behandlung mit dem neuen Präparat "Berenil". Z Tropenmed Parasitol 6: 129-140, 1955.
- BAUER F. Über den Wirkungsmechanismus des Berenil (4,4'Diamidino-diazoaminobenzol) bei *Trypanosoma congolense*. Zentralb Bakteriol Abt I Orig 172: 605-620, 1958.
- BMZ SPECIAL PROJECT ANNUAL REPORT 1998. Field studies on the development and impact of drug resistance of animal trypanosomes in market-oriented production systems in the southern guinean zone of West Africa.
- BMZ SPECIAL PROJECT ANNUAL REPORT 1999 AND FINAL REPORT 1998-1999. Field studies on the development and impact of drug resistance of animal trypanosomes in market-oriented production systems in the southern guinean zone of West Africa.
- BOID R, HUNTER AG, JONES TW, ROSS CA, SUTHERLAND D, LUCKINS AG. Trypanosomosis research at the Centre for Tropical Veterinary Medicine (CTVM) 1970 to 1995. Trop Anim Health Prod 28: 5-22, 1996.
- BROWNING CH, MORGAN GT, ROBB JUM, WALLS LP. The trypanocidal action of certain phenanthridinium compounds. J Path Bact 46: 203-204, 1938.
- BRUN R, KUNZ C. *In-vitro* drug sensitivity test for *Trypanosoma brucei* subgroup bloodstream trypanomastigots. Acta Trop 46: 361-368, 1989.
- BRUN R, BAERISWYL S, KUNZ C. *In-vitro* drug sensitivity of *Trypanosoma gambiense* isolates. Acta Trop 46: 369-376, 1989.

- BRUN R, RAB S. *In-vitro* drug sensitivity of *Trypanosoma congolense* isolates. Parasitol Res 77: 341-345, 1991.
- BRUN R, LUN Z-R. Drug sensitivity of Chinese *Trypanosoma evansi* and *T. equiperdum* isolates. Vet Parasitol 52: 37-46, 1994.
- BUDD LT. DFID-Funded Tsetse and Trypanosome Research and Development since 1980. Volume 2 Economic Analysis. Department for International Development (DIFID) 2, 1-123. 1999.
- CARTER NS, FAIRLAMB AH. Arsenical-resistant trypanosomes lack an unusual adenosine transporter. Nature 361: 173-176, 1993.
- CARTER NS, BERGER BJ, FAIRLAMB AH. Uptake of diamidine drugs by the P2 nucleoside transporter in melarsen-sensitive and -resistant *Trypanosoma brucei brucei*. J Biol Chem 270: 28153-57, 1995.
- CHOW LMC, WONG AKC, ULLMAN B, WIRTH DF. Cloning and functional analysis of an extrachromosomally amplified multi-drug resistance-like gene in *Leishmania enriettii*. Mol Biochem Parasitol 60: 195-208, 1993.
- CLAUSEN P-H, SIDIBE I, KABORE I, BAUER B. 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, 1992.
- CLAUSEN P-H, WIEMANN A, PATZELT R, KAKAIRE D, POETZSCH C, PEREGRINE A, MEHLITZ D. 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 NY Acad Sci 849: 21-31, 1998.
- CLAUSEN P-H, WAISWA C, KATUNGUKA-RWAKISHAYA E, SCHARES G, STEUBER S, MEHLITZ D. Polymerase chain reaction and DNA probe hybridization to assess the efficacy of diminazene treatment in *Trypanosoma brucei*-infected cattle. Parasitol Res 85: 206-211, 1999.
- CLAUSEN P-H, LEENDERTZ FH, BLANKENBURG A, TIETJEN U, MEHLITZ D, SIDIBE I, BAUER B. A drug incubation glossina infectivity test (DIGIT) to assess the susceptibility of *Trypanosoma congolense* bloodstream forms to trypanocidal drugs (Xenodiagnosis). Acta Trop 72: 111-117, 1999.
- CLAUSEN P-H, PELLMANN C, SCHEER A, TIETJEN U, SCHARES G, BAUER B, PEREGRINE AS, MEHLITZ D. Application of *in-vitro* methods for the detection of drug resistance in trypanosome field isolates. In: 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. Newsletter No. 2 of EU Concerted Action on Integrated Control of Pathogenic Trypanosomes and their Vectors (ICTPV), 18-21, 2000.
- CODJIA V, MULATU W, MAJIWA PAO, LEAK SGA, ROWLANDS GJ, AUTHIE E, D'ETEREN GDM, PEREGRINE AS. 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, 1993.
- COETZER JAW, THOMSON GR, TUSTIN RC. Infectious diseases of livestock with special reference to Southern Africa. Oxford University Press, Vol. 1, 167-205, 1994.
- COLEMAN PG, MCDERMOTT JJ. Trypanosome population biology - an approach to support the control of drug resistance and integrated trypanosomiasis control. In: 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. Newsletter No. 2 of EU Concerted Action on Integrated Control of Pathogenic Trypanosomes and their Vectors (ICTPV), 18-21, 2000.
- CROSS GA. Identification, purification and properties of clone-specific glycoprotein antigens constituting the surface coat of *Trypanosoma brucei*. Parasitology 71: 393-417, 1975.
- DAMPER D, PATTON CL. Pentamidine transport and sensitivity in *brucei*-group trypanosomes. J Protozool 23: 349-356, 1976.
- DELGADO C, ROSEGRANT M, STEINFELD H, EHUI S, COURBOIS C. Livestock to 2020 - the next food revolution. Hrsg: IFPRI, Washington, USA. FAO, Rome, Italy. ILRI, Nairobi, Kenya. Food, Agriculture, and the Environment Discussion Paper 28, 1-12. 1999.
- DIARRA B. Characterisation of the drug-sensitivity phenotypes of trypanosome field isolates from Kéné Dougou province. In: BMZ SPECIAL PROJECT ANNUAL REPORT 1999 AND FINAL REPORT 1998-1999. Field studies on the development and impact of drug resistance of animal trypanosomes in market-oriented production systems in the southern guinean zone of West Africa, 24-31.
- D'IETEREN GDM, AUTHIE E, WISSOCQ N, MURRAY M. Trypanotolerance, an option for sustainable livestock production in areas at risk from trypanosomosis. Rev Sci Tech 17: 154-175. 1998.
- DOIGE CA, FERRO-LUZZI AMES G. ATP-dependent transport systems in bacteria and humans: relevance to cystic fibrosis and multidrug resistance. Annu Rev Microbiol 47: 291-319, 1993.
- DOLAN RB, OKECH G, ALUSHULA H, MUTUGI M, STEVENSON P, SAYER PD, NJOGU AR. Homidium bromide as a chemoprophylactic for cattle trypanosomiasis in Kenya. Acta Trop 47: 137-144, 1990.
- DOLAN RB, STEVENSON PGW, ALUSHULA H, OKECH G. Failure of chemoprophylaxis against bovine trypanosomiasis on Galana ranch in Kenya. Acta Trop 51: 113-121, 1992.
- DUKES P, MCNAMARA JJ, and GODFREY DG. Elusive trypanosomes. Ann Trop Med Parasitol 85: 21-32, 1991.
- EISLER MC, GAULT EA, PEREGRINE AS, SMITH HV, HOLMES PH. Evaluation and improvement of an enzyme-linked immunosorbent assay (ELISA) for the detection of isometamidium in bovine serum. Ther Drug Monit 15: 236-242, 1993.
- EISLER MC, AROWOLO ROA, GAULT EA, MOLOO SK, HOLMES PH, PEREGRINE AS. Isometamidium concentrations in the sera of Boran cattle: correlation with prophylaxis against tsetse-transmitted *Trypanosoma congolense*. Acta Trop 56: 39-50, 1994.
- EISLER MC, BRANDT J, BAUER B, CLAUSEN P-H; DELESPAUX V, HOLMES PH, ILEMOBADE A, MACHILA N, MBWAMBO H, MCDERMOTT J, MEHLITZ D, MURILLA G, NDUNG'U JM, PEREGRINE AS, SIDIBE I, SINYANGWE L, GEERTS S. Standardised tests in mice and cattle for the detection of drug resistance in tsetse-transmitted trypanosomes of African domestic cattle. Vet Parasitol 97: 171-183, 2001.
- FOJO A, AKIYAMA S, GOTTESMAN MM, PASTAN I. Reduced drug accumulation in multiple drug-resistant human KB carcinoma cell lines. Cancer Res 45: 3002-3007, 1985.
- GALL Y, CLAUSEN P-H, WOITAG T, BAUER B, MCDERMOTT J, SIDIBE I, MEHLITZ D. PCR to monitor the efficacy of drug treatment in cattle naturally infected with *Trypanosoma* spp. in the province of Kéné Dougou, Burkina Faso. International Scientific Council for Trypanosomiasis Research and Control (ISCTRC), 25th Meeting, Ouagadougou, Burkina Faso, 1-5 Oct, 2001.

- GARSDIE LH, GIBSON WC. Molecular characterisation of trypanosome species and subgroups within subgenus *Nannomonas*. *Parasitology* 111: 301-312, 1995.
- GEERTS S, KAGERUKA P, DE DEKEN R, BRANDT JRA, KAZADI JM, DIARRA B, EISLER MC, LEMMOUCHI Y, SCHACHT E, HOLMES PH. Prophylactic effects of isometamidium- and ethidium-sustained release devices against *Trypanosoma congolense* in cattle. *Acta Trop* 65: 23-31, 1997.
- GEERTS S, HOLMES PH. Drug management and parasite resistance in animal trypanosomiasis in Africa. In: PAAT Techn Sci Series 1: 1-30. 1998. Food and Agriculture Organisation of the United Nations, Rome.
- GEERTS S, NDUNG'U JM, MURILLA G, MBWAMBO HA, SINYANGWE L, MACHILA N, DELESPAUX V, BRANDT J, PEREGRINE AS, MCDERMOTT J, HOLMES PH, EISLER MC A simplified cost-effective method for area-wide testing of trypanocidal drug sensitivity of *T. congolense* in mice. International Scientific Council for Trypanosomiasis Research and Control (ISCTRC), 25th Meeting, Mombasa, Kenya, 27 Sep – 1 Oct, 1999. OAU/STRC, Nairobi.
- GEIGY R, KAUFFMANN M. Sleeping sickness survey in the Serengeti area (Tanzania) 1971. I. Examination of large mammals for trypanosomes. *Acta Trop* 30: 12-23, 1973.
- GITATHA SK. *T. congolense* (Shimba Hills) resistant to various trypanocidal drugs. In: Proc. 16<sup>th</sup> Meeting of the International Scientific Council for Trypanosomiasis Research and Control, Yaounde, Cameroon, 1979, Eleza Services, Nairobi, OAU/STR Publ No. 111: 257-263.
- GRABER M. Note sur la résistance au Bérénil d'une souche tchadienne de *Trypanosoma vivax*. *Rev Elev Med Vet Pays Trop* 21: 463-466, 1968.
- GRAY AR, Roberts CJ. The cyclical transmission of strains of *Trypanosoma congolense* and *T. vivax* resistant to normal therapeutic doses of trypanocidal drugs. *Parasitology* 63: 67-89, 1971.
- GRAY MA, CUNNINGHAM I, GARDINER PR, TAYLOR AM, LUCKINS AG. Cultivation of infective forms of *Trypanosoma congolense* from trypanosomes in the proboscis of *Glossina morsitans*. *Parasitology* 82: 81-95, 1981.
- GRAY MA, PEREGRINE AS. An *in-vitro* assay for drug sensitivity of *Trypanosoma congolense* using *in-vitro*-derived metacyclic trypanosomes. *Acta Trop* 54: 291-300, 1993.
- HAWKING F. Drug resistance of *Trypanosoma congolense* and other trypanosomes to quinapyramine, phenanthridines, Berenil and other compounds in mice. *Ann Trop Med Parasitol* 57:262-282, 1963.
- HAYES JD, WOLF CR. Molecular mechanisms of drug resistance. *Biochem J* 272: 281-295, 1990.
- HEMPHILL A, FRAME I, ROSS CA. The interaction of *Trypanosoma congolense* with endothelial cells. *Parasitology* 109: 631-641, 1994.
- HIRUMI H, HIRUMI K. Continuous cultivation of animal- infective bloodstream forms of an East African *Trypanosoma congolense* stock. *Ann Trop Med Parasitol* 78: 327-330, 1984.
- HIRUMI H, HIRUMI K. *In-vitro* cultivation of *Trypanosoma congolense* bloodstream forms in the absence of feeder cell layers. *Parasitology* 102:225-236, 1991.
- HOARE CA. The trypanosomes of mammals. Blackwell Scientific Publications, Oxford, 1972.
- HOLMES PH, SCOTT JM. Chemotherapy against animal trypanosomiasis. In: Perspectives in Trypanosomiasis Research. JR Baker, Chinchester, Research Studies Press, 59-69, 1982.

- HOLMES PH. New approaches to the integrated control of trypanosomosis. *Vet Parasitol* 71: 121-135, 1997.
- HÖRCHNER F, ZILLMANN U, METZNER M, SCHÖNEFELD A, MEHLITZ D. Westafrican dogs as a model for research on trypanotolerance. *Trop Med Parasitol* 36:257-258, 1985.
- ICPTV 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. Newsletter No. 2 of EU Concerted Action on Integrated Control of Pathogenic Trypanosomes and their Vectors (ICTPV). 2000.
- ILRI Newsletter of the International Livestock Research Institute (ILRI). Livestock Research for Development. Volume 2 No. 2, 1996.
- JABBAR MA, SWALLOW BM, D'ETEREN GDM. The demand for trypanotolerant cattle: evidence on farmers' breed preferences and breeding practices in Southern Nigeria. International Scientific Council for Trypanosomiasis Research and Control Conference, 1995. Banjul, The Gambia.
- JENSCH H. Über neue Typen von Guanylverbindungen. *Med Chem* 6: 134-169, 1958.
- JOHNS-DAVIES WJ, FOLKERS, C. Some observations on cross-resistance to Samorin and Berenil of homidium-resistant field strains of *Trypanosoma congolense* in northern Nigerian cattle. In: Proc. 11<sup>th</sup> Meeting of the International Scientific Council for Trypanosomiasis Research, Nairobi, Kenya, 1966, Publications Bureau, Lagos, OAU/STRC Publ. No. 100, 35-40.
- JOHNS-DAVIES WJ. Berenil resistance in naturally occurring *Trypanosoma congolense*. *Bull Epizoot Dis Afr* 16: 213-216, 1968.
- JORDAN AM. Principles of the eradication or control of tsetse flies. *Nature* 273: 607-609, 1978.
- JOSHUA RA, OBWOLO MJ, BWANGAMOI O, MANDEBVU E. Resistance to diminazene aceturate by *Trypanosoma congolense* from cattle in the Zambezi Valey of Zimbabwe. *Vet Parasitol* 60: 1-6, 1995.
- KAMINSKY R, BEAUDOIN E, CUNNINGHAM I. Studies on the development of metacyclic *Trypanosoma brucei* spp. cultivated at 27°C with insect cell lines. *J Protozool* 34: 372-377, 1987.
- KAMINSKY R, ZWEYGARTH E. Feeder layer-free *in vitro* assay for screening antitrypanosomal compounds against *Trypanosoma brucei brucei* and *T.b.evansi*. *Antimicrob Agents Chemother* 33: 881-885, 1989.
- KAMINSKY R, GUMM ID, ZWEYGARTH E, CHUMA F. A Drug Incubation Infectivity Test (DIIT) for assessing resistance in trypanosomes. *Vet Parasitol* 34: 335-343, 1990.
- KAMINSKY R, WASIKE RPN. A colorimetric assay for assessment of drug sensitivities in African trypanosomes. *In Vitro* 28: 133, 1992.
- KAMINSKY R, CHUMA F, ZWEYGARTH E. *Trypanosoma congolense*: *in-vitro* susceptibility of bloodstream forms to diminazene and isometamidium. *Exp Parasitol* 76: 213-215, 1993.
- KAMINSKY R, BRUN R. *In-vitro* assays to determine drug sensitivities of African trypanosomes: a review. *Acta Trop* 54: 279-289, 1993.
- KARTNER N, LING V. Multidrug-resistance in cancer. *Sci Am* 260: 44-51, 1989.
- KIRKBY WW. Prophylaxis and therapy under continuous exposure to the risk of natural infection with trypanosomiasis by tsetse flies. *Bull Epizoot Dis Afr* 12: 321-329, 1964.

- KITTLAUSZ, S. Untersuchungen zur vergleichenden Charakterisierung von Trypanosomen-Stocks und -Klonen des Subgenus *Trypanozoon* mit der Isoenzymelektrophorese und der Humanserumempfindlichkeit. Vet.-Med. Dissertation, Tierärztliche Hochschule Hannover und Bernhard-Nocht-Institut für Schiffs- und Tropenkrankheiten, 1982.
- KONE, P. Comparaison des tests *in-vivo*: test sur souris et test sur bovins pour la détection de la résistance vis-à-vis de l'isometamidium chez *T. congolense*. MSc Master Thesis No. 84, 1-46. 1999. Institute of Tropical Medicine, Veterinary Department, Antwerp.
- KROGSTAD DJ, GLUZMAN IY, KYLE DE, ODUOLA AM, MARTIN SK, MILHOUS WK, SCHLESINGER PH. Efflux of chloroquine from *Plasmodium falciparum*: mechanism of chloroquine resistance. Science 238: 1283-1285, 1987.
- KRUPPA TF, IGLAUER F, IHNEN E, MILLER K, KUNSTYR I. *Mastomys natalensis* or *Mastomys coucha*. Correct species designation in animal experiments. Trop Med Parasitol 41: 219-220, 1990.
- KÜPPER W, WOLTERS M. Observation on drug resistance of *Trypanosoma (Nannomonas) congolense* and *Trypanosoma (Duttonella) vivax* in cattle at a feedlot in the northern Ivory Coast. Tropenmed Parasitol 34: 203-205, 1983.
- LANHAM SM, GODFREY DG. Isolation of salivarian trypanosomes from man and other animals using DEAE-cellulose. Exp Parasitol 28: 521-534, 1970.
- LEACH TM, KARIB AA, FORD EJH, WILMSHURST EC. Studies on ethidium bromide. VI. The prophylactic properties of the drug. J Comp Pathol 65: 130-142, 1955.
- LEAK SGA, PEREGRINE AS, MULATU W, ROWLANDS GJ, D'ETEREN GDM. Use of insecticide-impregnated targets for the control of tsetse flies (*Glossina* spp.) and trypanosomiasis occurring in cattle in an area of south-west Ethiopia with a high prevalence of drug-resistant trypanosomes. Trop Med Int Health 1:599-609, 1996.
- LEAK SGA. Tsetse Biology and Ecology. Their Role in the Epidemiology and Control of Trypanosomiasis. CABI Publishing, CAB International, 1999.
- LUCIUS R. Parasitologie: Grundlagen für Biologen, Mediziner, Veterinärmediziner. Spektrum Akademischer Verlag GmbH Heidelberg Berlin, 39-51, 1997.
- MACLENNAN KJR, JONES-DAVIES WJ. The occurrence of a Berenil-resistant *Trypanosoma congolense* strain in northern Nigeria. Vet Rec 80: 389-390, 1967.
- MÄSER P, KAMINSKY R. Identifikation of three ABC transporter genes in *Trypanosoma brucei* spp. Parasitol Res 84: 106-111, 1998.
- MATOVU E, ITEN M, ENYARU JCK, SCHMID C, LUBEGA GW, BRUN R, KAMINSKY R. Susceptibility of Ugandan *Trypanosoma brucei rhodesiense* isolated from man and animal reservoirs to diminazene, isometamidium and melarsoprol. Trop Med Int Health 2: 13-18, 1997.
- MCDERMOTT, J., SIDIBÉ, I., BAUER, B., CLAUSEN, P.-H., WOITAG, T., OUEDRAOGO, D., KAMUANGA, M., PEREGRINE, A. S., EISLER, M. C., MEHLITZ, D. Field studies on the development and impact of drug resistant animal trypanosomes in market-oriented production systems in the southern Guinean Zone of West Africa. In: 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. Newsletter No. 2 of EU Concerted Action on Integrated Control of Pathogenic Trypanosomes and their Vectors (ICTPV), 18-21, 2000.
- MEHLITZ D. The behavior in the blood incubation infectivity test of four *Trypanozoon* strains isolated from pigs in Liberia. Trans R Soc Trop Med Hyg 71: 86, 1977.

- MEHLITZ D. Untersuchungen zur Empfänglichkeit von *Mastomys natalensis* für *Trypanosoma (Trypanozoon) brucei gambiense*. Tropenmed Parasitol. 29: 101-107, 1978.
- MEHLITZ D. Trypanosome infections in domestic animals in Liberia. Tropenmed Parasitol. 30: 212-219, 1979.
- MOHAMED-AHMED MM, RAHMAN AH, ABDEL KARIM EI. Multiple drug-resistant bovine trypanosomes in South Darfur Province, Sudan. Trop Anim Health Prod 24: 179-181, 1992.
- MORRISON WI, ROELANTS GE, MAYOR-WITHEY KS, MURRAY M. Susceptibility of inbred strains of mice to *Trypanosoma congolense*: correlation with changes in spleen lymphocyte populations. Clin Exp Immunol 32: 25-40, 1978.
- MULUGETA W, WILKES J, MULATU W, MAJIWA PAO, MASAKE R, PEREGRINE AS. Long-term occurrence of *Trypanosoma congolense* resistant to diminazene, isometamidium and homidium in cattle at Ghibe, Ethiopia. Acta Trop 64: 205-217, 1997.
- MURRAY M. An improved parasitological technique for the diagnosis of African trypanosomes. Trans R Soc Trop Med Hyg 71: 325-326, 1977.
- NJAU BC, MKONYI PM, KUNDY DJ. Berenil resistant *Trypanosoma congolense* isolated from naturally infected goats in Tanga Region, Tanzania. In: Proc. 17<sup>th</sup> Meeting of the International Scientific Council for Trypanosomiasis Research and Control, Arusha, Tanzania, 1981, OAU/STR Pub. No. 112, Eleza Services, Nairobi, 289-298.
- OBEXER W, SCHMID C, BRUN R. A novel *in-vitro* screening assay for trypanocidal activity using the fluorescent dye BCECF-AM. Trop Med Parasitol. 46: 45-48, 1995.
- OUEDRAOGO D. Caracterisation des exploitations a partir d'une enquete exploratoire sur le developpement de la resistance aux trypanocides dans la province du Kéné Dougou. BMZ-Special Project PN 97.7860.6-001.00, Document de travail No. 1, 1-32. 1998.
- OUEDRAOGO D. Acteurs e fonctionnement du marché des intrants vétérinaires dans la province du Kéné Dougou. BMZ-Special Project 97.7860.6-001.00, Document de travail No. 2, pp. 2000.
- PELLMANN C. Untersuchungen zur Anwendbarkeit von zwei *in-vitro* Testsystemen zur Charakterisierung der Diminazeneaceturat-Empfindlichkeit von *Trypanosoma brucei*-Feldisolaten aus Süd-Ost Uganda. Vet-Med Diss. Freie Universität Berlin, 1999.
- PEREGRINE AS, OGUNYEMI O, WHITELAW DD, HOLMES PH, MOLOO SK, HIRUMI H, URQUHART GM, MURRAY M. Factors influencing the duration of isometamidium chloride (Samorin) prophylaxis against experimental challenge with metacyclic forms of *Trypanosoma congolense*. Vet Parasitol 28: 53-64, 1988.
- PEREGRINE AS, MOLOO SK, WHITELAW DD. Differences in sensitivity of Kenyan *Trypanosoma vivax*-populations to the prophylactic and therapeutic actions of isometamidium chloride in Boran cattle. Trop Anim Health Prod 23:29-38, 1991.
- PEREGRINE AS, KNOWLES G, IBITAYO AI, SCOTT JR, MOLOO SK, MURPHY NB. Variation in resistance to isometamidium chloride and diminazene acetate by clones derived from a stock of *Trypanosoma congolense*. Parasitology 102:93-100, 1991.
- PEREGRINE AS, MAMMAN M. Pharmacology of diminazene - a review. Acta Trop 54: 185-203, 1993.
- PEREGRINE AS. Chemotherapy and delivery systems: haemoparasites. Vet Parasitol 54:223-248, 1994.

- PINDER M, AUTHIE E. The appearance of isometamidium resistant *Trypanosoma congolense* in West Africa. *Acta Trop* 41: 247-252, 1984.
- RICKMAN LR, ROBSON J. The testing of proven *Trypanosoma brucei* and *Trypanosoma rhodesiense* strains by the blood incubation infectivity test. *Bull World Health Org* 42: 911-916, 1970.
- RIORDAN JR, DEUCHARS K, KARTNER N, ALON N, TRENT J, LING V. Amplification of P-glycoprotein genes in multidrug-resistant mammalian cell lines. *Nature* 316: 817-819, 1985.
- RÖTTCHER D, SCHILLINGER D. Multiple drug resistance in *Trypanosoma vivax* in the Tana River District of Kenya. *Vet Rec* 117: 557-558, 1985.
- ROSS CA, TAYLOR AM. *Trypanosoma congolense*: an *in-vitro* assay to distinguish drug-resistant from drug-sensitive populations. *Parasitol Res* 76: 326-331, 1990.
- ROSS CA, BARNES AM. Alteration to one of three adenosine transporters is associated with resistance to Cymelarsan in *Trypanosoma evansi*. *Parasitol Res* 82: 183-188, 1996.
- ROSS CA, SUTHERLAND DV. Drug resistance in trypanosomatids. In: *Trypanosomiasis and Leishmaniasis: Biology and Control*. Hrsg: G Hide, JC Mottram, GH Coombs, PH Holmes-CAB INTERNATIONAL, Wallingford, Oxon OX 10 8DE, UK, 259-269, 1997.
- ROWLANDS GJ, MULATU W, AUTHIE E, D'ETEREN GDM, LEAK SGA, NAGDA SM, PEREGRINE AS. Epidemiology of bovine trypanosomiasis in the Ghibe valley, southwest Ethiopia. 2. Factors associated with variations in trypanosome prevalence, incidence of new infections and prevalence of recurrent infections. *Acta Trop* 53: 135-150, 1993.
- SAMUELSON J, AYALA P, OROZCO E, WIRTH D. Emetine-resistant mutants of *Entamoeba histolytica* overexpress mRNAs for multidrug resistance. *Mol Biochem Parasitol* 38: 281-290, 1990.
- SCHÖNEFELD A, RÖTTCHER D, MOLOO SK. The sensitivity to trypanocidal drugs of *Trypanosoma vivax* isolated in Kenya and Somalia. *Trop Med Parasitol* 38: 177-180, 1987.
- SEIFERT HSH. *Tropentierhygiene*. Gustav Fischer Verlag Jena, 1992.
- SCHAEFER A. *In-vitro*-Untersuchungen zur Medikamentenempfindlichkeit (Isometamidiumchlorid) von Trypanosomenpopulationen (*Trypanosoma brucei*) aus Milchviehherden Ugandas. *Vet-Med Diss*. Freie Universität Berlin, 2001.
- SONES KR, NJOGU AR, HOLMES PH. Assessment of sensitivity of *Trypanosoma congolense* to isometamidium chloride: a comparison of tests using cattle and mice. *Acta Trop* 45: 153-164, 1988.
- STEPHEN LE. *Trypanosomiasis: a veterinary perspective*. Pergamon Press, 1<sup>st</sup> edition, 85-89, 1986.
- SUTHERLAND IA, MOUNSEY A, HOLMES PH. Effect of isometamidium on *Trypanosoma congolense* infectivity. *Vet Parasitol* 39: 13-17, 1991.
- SUTHERLAND IA, PEREGRINE AS, LONSDALE-ECCLES JD, HOLMES PH. Reduced accumulation of isometamidium by drug-resistant *Trypanosoma congolense*. *Parasitology* 103: 245-251, 1991.
- SUTHERLAND IA, HOLMES PH. Alterations in drug transport in resistant *Trypanosoma congolense*. *Acta Trop* 54: 271-278, 1993.
- TRAIL JCM, MURRAY M, SONES KR, JIBBO JMC, DURKIN J, LIGHT DE. Boran cattle maintained by chemoprophylaxis under trypanosomiasis risk. *J Agric Sci* 105: 147-166, 1985.



- VAN HOEVE K, CUNNINGHAM MP. Prophylactic activity of Berenil against trypanosomes in treated cattle. *Vet Rec.* 76: 260, 1964.
- VICKERMAN K. Developmental cycles and biology of pathogenic trypanosomes. *Br Med Bull* 41: 105-114, 1985.
- WALKER PJ. Capillary concentration technique applicable to infections of *T. congolense* in cattle. *Trans R Soc Trop Med Hyg.* 66: 348, 1972.
- WELLDE BT, LÖTZSCH R, DEINDL G, SADUN E, WILLIAMS J, WARUI G. *Trypanosoma congolense* I. Clinical observations of experimentally infected cattle. *Exp Parasitol* 36: 6-19, 1974.
- WHITESIDE, E. F. Recent work in Kenya on the control of drug-resistant cattle trypanosomiasis. Proceedings 8th meeting of the International Scientific Council for Trypanosomiasis Research and Control, Publ.No. 62, 141-154, Publications Bureau, London, 1960.
- WHO Control and surveillance of African trypanosomiasis. Report of a WHO expert committee. *Tech Rep Ser No.* 881, 1999.
- WILKES J, MULUGETA W, WELLS C, PEREGRINE AS. Modulation of mitochondrial electrical potential: a candidate mechanism for drug resistance in African trypanosomes. *Biochemical J* 26: 755-761, 1997.
- WILLIAMSON J. Review of chemotherapeutic and chemoprophylactic agents. In: *The African Trypanosomiasis*. Hrsg: CHW Mulligan, Allen and Unwin, London, 125-221, 1970.
- WILLIAMSON J. Chemotherapy of African trypanosomiasis. *Trop Dis Bull.* 73: 531-542, 1976.
- WILSON CW, SERRANO AE, WASLEY A, BOGENSCHUTZ MP, SHANKAR AH, WIRTH DF. Amplification of a gene related to mammalian *mdr* genes in drug resistant *Plasmodium falciparum*. *Science* 244:1184-1186, 1989.
- WILSON CW, VOLKMAN SK, THAITHONG S, MARTIN RK, KYLE DE, MILHOUS WK, WIRTH DF. Amplification of *pfmdr1* associated with mefloquine and halofantrine resistance in *Plasmodium falciparum* from Thailand. *Mol Biochem Parasitol* 57: 151-160, 1993.
- WOITAG T. Incidence, associated factors and impact of drug resistance in Kéné Dougou province, Burkina Faso. In: *BMZ SPECIAL PROJECT ANNUAL REPORT 1998. Field studies on the development and impact of drug resistance of animal trypanosomes in market-oriented production systems in the southern guinean zone of West Africa.*
- WOITAG T. Incidence, associated factors and impact of drug resistance in Kéné Dougou province, Burkina Faso. In: *BMZ SPECIAL PROJECT ANNUAL REPORT 1999 AND FINAL REPORT 1998-1999. Field studies on the development and impact of drug resistance of animal trypanosomes in market-oriented production systems in the southern guinean zone of West Africa.*
- WOO PTK. The haematocrit centrifuge for the detection of trypanosomes in blood. *Can J Zool.* 47: 921-923, 1969.
- WOO PTK. The haematocrit centrifuge technique for the diagnosis of African trypanosomiasis. *Acta Trop* 27: 384-386, 1970.
- ZINSSTAG J, BRUN R, GESSLER M. A new photometric assay for testing trypanocidal activity *in-vitro*. *Parasitol Res* 77: 33-38, 1991.
- ZWEYGARTH E, KAMINSKY R, GRAY MA. *In-vitro* assessment of isometamidium chloride susceptibility of *Trypanosoma vivax* bloodstream forms. *Parasitol Res* 77: 714-716, 1991.

Die Zeitschriften wurden abgekürzt nach:  
List of journals indexed in index medicus 2001, National Library of Medicine,