

## Literatur zum DRACO-Beitrag:

### Bissunfälle durch Lanzenottern – Gifte, Epidemiologie und Schlangenbiss-Management von Markus Monzel

- ABRÉU, V.A., G.B. LEITE, M.F. FURTADO & L.R. SIMIONI (2003): Influence of temperature on the neuromuscular blockade caused by the venoms of *B. neuwiedi diporus*, *B. neuwiedi goyasensis* and *B. neuwiedi paranaensis* in chick biventer cervicis preparations. – Journal of Venomous Animals and Toxins 9(2): VII Symposium of the Brazilian Society of Toxinology.
- ADAM, M. (2005): Integrating research and development: the emergence of rationale drug design in the pharmaceutical industry. – Studies in History and Philosophy of Biological and Biomedical Sciences 36(3): 513–537.
- ARAÚJO, M.S. & M. MARTINS (2006): Defensive behaviour in pit vipers of the genus *Bothrops* (Serpentes, Viperidae). – The Herpetological Journal 16(3): 297–303.
- BARRAVIERA, B. & P.C. PEREIRA (1999): Acidentes por serpentes do gênero *Bothrops*. – in: BARRAVIERA, B. (1999): Venenos – Aspectos clínicos e terapêuticos dos acidentes com animais peçonhentos. – Editora de publicações biomédicas Ltda., Rio de Janeiro.
- BON, C. (1994): Schlangengifte und Heilmittel. – S. 194–203 in BAUCHOT, R. (Hrsg.): Schlangen. – Weltbild Verlag GmbH, Augsburg.
- BORJA-OLIVEIRA, C.R., A.M. SOARES, S.R. ZAMUNER et al. (2002): Intraspecific variation in neurotoxic and myotoxic activities of *Bothrops neuwiedi* venoms. – Journal of Venomous Animals and Toxins 8(1): 88–101.
- BORKOW, G., J.M. GUTIÉRREZ & M. OVADIA (1997): Inhibition of toxic activities of *Bothrops asper* venom and other crotalid snake venoms by a novel neutralizing mixture. – Toxicology and Applied Pharmacology 147: 442–447.
- BORGES, C.C., M. SADAHIRO & M.C. DOS SANTOS (1999): Aspectos epidemiológicos e clínicos dos acidentes ofídicos ocorridos nos municípios do estado do Amazonas. – Revista da Sociedade Brasileira de Medicina Tropical 32(6): 637–646.
- CAPTANIO, J.S., A. KLEIN & I.R.G. RUIZ (2007): Effects of jararhagin, a toxin from *Bothrops jararaca* venom, on the expression of adhesion molecule in human melanoma. – Reunião Anual Científica do Instituto Butantan, São Paulo.
- CARDOSO, J.L.C., H.W. FAN, F.O.S. FRANÇA et al. (1993): Randomized comparative trial of three antivenoms in the treatment of envenoming by lance-headed vipers (*Bothrops jararaca*) in São Paulo, Brazil. – Quarterly Journal of Medicine 86: 315–325.
- CATTY, D. & L.G.D. HENEINE (1996): Identification of species-specific components in bothropic venoms. – Toxicon 34(2): 158.
- CHIPPAUX, J.-P. (2002): Venins de serpent et envenimations. – IRD Éditions, Paris.
- COELHO, A.L.J., M.S. DE FREITAS, A.L. OLIVEIRA-CARVALHO, V. MOURA-NETO, R.B. ZINGALI & C. BARJA-FIDALGO (1999): Effects of jararstatin, a novel snake venom disintegrin, on neutrophil migration and actin cytoskeleton dynamics. – Experimental Cell Research 251(2): 379–387.
- CREER, S., A. MALHOTRA, R.S. THORPE, R. STÖCKLIN, P. FAVREAU & CHOU, W.H. (2003): Genetic and ecological correlates of intraspecific variation in pitviper venom composition detected using matrix-assisted laser desorption time-of-flight mass spectrometry (MALDI-TOF-MS) and isoelectric focusing. – Journal of Molecular Evolution 56: 317–329.
- DART, R., K. HURLBUT, R. GARCIA & J. BOREN (1996): Snakebite severity score. – Toxicon 34(2): 145.
- FAN, H.W., L.P. MENDES, F.O.S. FRANÇA & J.L.C. CARDOSO (1996): Lack of efficiency of antihistamine in preventing early reactions to horse antivenom administration: a retrospective study. – Toxicon 34(2): 161.
- FERREIRA, S.H., D.C. BARTELT & L.J. GREENE (1970): Isolation of bradykinin-potentiating Peptides from *Bothrops jararaca* venom. – Minerva 36: 203–208.
- FRANCISCO, O.S.F. (2000): Immunity and serumtherapy in snake bites. – Toxicon 38: 506–507.
- FURTADO, M.F., S.R. TRAVAGLIA-CARDOSO & M.M.T. ROCHA (2006): Sexual dimorphism in venom of *Bothrops jararaca* (Serpentes: Viperidae). – Toxicon 48: 401–410.
- GUTIÉRREZ, J.M., G. ROJAS, G. BOGARIN & B. LOMONTE (1996): Evaluation of the neutralizing ability of antivenoms for the treatment of snakebite envenomations in Central America. – Toxicon 34(2): 149.
- , R.D.G. THEAKSTON & D.A. WARRELL (2006): Confronting the neglected problem of snake bite envenoming: the need for a global partnership. – PLoS Medicine 3(6): 1–5.
- , H.G. HIGASHI, H.-W. FAN & T. BURNOUF (2007): Strengthening antivenom production in Central and South American laboratories: report of a workshop. – Toxicon 49(1): 30–35.
- JOHNSON, E.K., K.V. KARDONG & C.L. OWNBY (1987): Observations on white and yellow venoms from an individual southern pacific rattlesnake (*Crotalus viridis helleri*). – Toxicon 25: 1169.
- JORGE, M.T. & L.A. RIBEIRO (2000): Envenoming by the South American pitviper *Bothrops neuwiedi* Wagler. – Annals of Tropical Medicine and Parasitology 94(7): 731–734.
- KITANO, E.S., A.F. PAES LEME, M.F. FURTADO, A.C.M. CAMARGO & S.M.T. SERRANO (2007): Proteomic analysis of *Bothrops* venoms: comparative analysis of sub-proteomes. – Reunião Anual Científica do Instituto Butantan, São Paulo.
- KORNALIK, R. (1991): The influence of snake venom proteins on blood coagulation. – S. 323–383 in HARVEY, A.L. (1991): Snake Toxins. – Pergamon Press, New York.
- KRIFI, M.N., M. EL AYEB & K. DELLAGI (1999): The improvement and standardization of antivenom production in developing countries: comparing antivenom quality, therapeutical efficiency, and cost. – Journal of Venomous Animals and Toxins 5(2): 128–141.
- LONDON, J. & D.C. SMITH (1996): Development of novel antivenoms based on specific ovine Fab. – Toxicon 34(2): 148.
- MAGRO, A.J., A.M. SOARES, J.R. GIGLIO & M.R.M. FONTES (2003): Crystal homologue of a basic myotoxic phospholipase-A2 homologue from the *Bothrops neuwiedi pauloensis* venom. – Biochem. Biophys. Res. Commun. 311: 713–720.
- MARUÑAK, S.L., R.M. RUIZ DE TORRENT, G.P. TEIBLER, C.C. GAY, L. LEIVA & O. ACOSTA DE PÉREZ (2006): Acción del veneno de *Bothrops jararacussu* de Argentina sobre la coagulación sanguínea. – In Vet 8(1): 119–128.
- MEBS, D. (1996): Cross-reactivity testing of antivenoms: a way to improve snakebite Treatment? – Toxicon 34(2): 166.
- MEIER, J. (1983): Beitrag zur Kenntnis des Giftes der südamerikanischen Lanzenotter *Bothrops atrox* L. (Serpentes; Viperidae; Crotalinae). – Unpubl. Inauguraldissertation, Universität Basel.
- MELGAREJO, A.R. & A.S. AGUIAR (1996): Poisonous snakes, ecological disturbances and public health. – Toxicon 34(2): 144.
- MENEZES, M.C., M.F. FURTADO, S.R. TRAVAGLIA-CARDOSO, A.C.M. CAMARGO & S.M.T. SERRANO (2006): Sex-based individual variation of snake venom proteome among eighteen *Bothrops jararaca* siblings. – Toxicon 47(3): 304–312.
- NATERA, M., F. ALMEIDA & E. PEREZ (2005): Reportes recientes de accidentes ofídicos en la region noroccidental del estado Guárico, Venezuela. – Herpetotropicos 2(1): 43–46.
- NKININ, S.W., D. PIÉTIN, Y. DOLJANSKY, O. TRÉMEAU, A. MÉNEZ & J.-P. CHIPPAUX (1996): Genetic origin of the variability of venoms: impact on the Preparation of antivenoms. – Toxicon 34(2): 167.
- OGAWA, T., T. CHIJUWA, N. ODA-UEDA & M. OHNO (2005): Molecular

- diversity and accelerated evolution of C-type lectin-like proteins from snake venom. – *Toxicon* 45: 1–15.
- , M. KITAJIMA, K. NAKASHIMA, Y. SAKAKI & M. OHNO (1995): Molecular Evolution of group II phospholipases A<sub>2</sub>. – *Journal of Molecular Evolution* 41: 867–877.
- OLIVA, I.B., R.M. COELHO, G.G. BARCELLOS, R.SALDANHA-GAMA, L.S. WERMELINGER, C. MARCINKIEWICZ, R.B. ZINGALI & C. BARRIA-FIDALGO (2007): Effect of RGD-disintegrins on melanoma cell growth and metastasis: involvement of the actin cytoskeleton, FAK and c-Fos. – *Toxicon* 50(8): 1053–1063.
- OTERO-PATIÑO, R., J.J. SILVA-HAAD, M. J. BARONA ACEVEDO et al. (2007): Accidente bothrópico en Colombia: estudio multicéntrico de la eficacia y seguridad de Antivipmyn-Tri, un antiveneno polivalente producido en México. – *Iatreia* 20(3): 244–262.
- POPE, C.G. (1938): Desegregation of proteins by enzymes. – *British Journal of Experimental Pathology* 19: 245–251.
- RAW, I. (1996): Brazilian program for envenomation treatment. – *Toxicon* 34(2): 148.
- RODRIGUES, V.M., A.M. SOARES, A.C. MANCIN, M.R.M. FINTEZ, M.I. HOMSÍ-BRANDENBURGO & J.R. GIGLIO (1998): Geographic variations in the composition of myotoxins from *Bothrops neuwiedi* snake venoms: biochemical characterization and biological activity. – *Comparative Biochemistry and Physiology A* 121(3): 215–222.
- ROJAS, G., G. BOGARIN & J.M. GUTIÉRREZ (1997): Snake bite mortality in Costa Rica. – *Toxicon* 35(11): 1639–1643.
- ROJAS, E., L. QUESADA, V. ARCE, B. LOMONTE, G. ROJAS & J.M. GUTIÉRREZ (2005): Neutralization of four Peruvian *Bothrops* sp. snake venoms by polyvalent antivenoms produced in Perú and Costa Rica: preclinical assessment. – *Acta Tropica* 93: 85–95.
- SANTOS, M.C. (1994): Caracterização das atividades biológicas dos venenos das serpentes brasileiras. – S. 102–106 in NASCIMENTO, L.B., A.T. BERNARDES & G.A. COTTA (1994): Herpetologia no Brasil 1.
- SCHAAD, E. & S. POE (2007): Evolution of variability in pitviper venom toxicity. – Oral Presentation, 16<sup>th</sup> Annual Research Day, UNM, Department of Biology, New Mexico.
- SMALLIGAN, R., COLE, J., N. BRITO et al. (2006): Crotaline snake bite in the Ecuadorian Amazon: randomised double blind comparative trial of three South American polyspecific antivenoms. – *Biomedical Journal* 329: 1129–1133.
- SOUZA, A.F., M.M.T. SOUZA & I.R.G. RUIZ (2007): Cloning of genomic sequences that code for part of the metalloproteinase toxins jararhagin and bothropasin from *Bothrops jararaca* venom. – Reunião Anual Científica do Instituto Butantan, São Paulo.
- STANCHI, N.O., C. DILORENZO, C.M. GÓMEZ, C. GRISOLIA & J. COPEZ (1999): Characterization of *Bothrops* venoms of Argentina by SDS-polyacrylamide gel electrophoresis. – *Analecta Veterinaria* 19(1/2): 62–65.
- STOCKER, K. (1999): Anwendung von Schlangengiftproteinen in der Medizin. – *Schweizer Medizinische Wochenschrift* 129: 205–216.
- TANS, G. & J. ROSING (2001): Snake venom activators of factor X: an overview. – *Haemostasis* 31: 225–233.
- TEIBLER, P. O. ACOSTA DE PÉREZ, S. MARUNAK, R. RUIZ, P. KOSCINCZUK, M. SÁNCHEZ NEGRETTE & N. MUSSART DE COPPO (1999): Lesiones locales y sistémicas inducidas por veneno de *Bothrops alternatus* (vibora de la cruz) de Argentina. – *Acta Toxicologica Argentínica* 7(1): 7–10.
- THEAKSTON, R.D.G., G.D. LAING, C.M. FIELDING et al. (1995): Treatment of snake bites by *Bothrops* species and *Lachesis muta* in Ecuador: laboratory screening of candidate antivenoms. – *Transactions of the Royal Society of Tropical Medicine and Hygiene* 89: 550–554.
- THOMAS, L. & TYBURN (1996): *Bothrops lanceolatus* bites in Martinique: clinical aspects and Treatment. – *Toxicon* 34(2): 151.
- TOYAMA, M.H., A.M. SOARES, L.W. HWA, I. POLIKARPOV, J. R. GIGLIO & S. MARANGONI (2000): Amino acid sequence of piratoxin-II, a myotoxic Lys49 phospholipase A<sub>2</sub> homologue from *Bothrops pirajai* venom. – *Biochimie* 82(3): 245–250.
- VARANDA, E.A. & M.J. GIANNINI (1999): Bioquímica de venenos de Serpentes. – S. 205–223 in BARRAVIERA, B. (1999): Venenos – Aspectos clínicos e terapêuticos dos acidentes com animais peçonhentos. – Editora de publicações biomédicas Ltda., Rio de Janeiro.
- VIEIRA, D.F., L. WATANABE, C.D. SANT’ANA, S. MARCUSSI, S.V. SAMPAIO, A.M. SOARES & R.K. ARNI (2004): Purification and characterization of Jararassin-I, a thrombin-like enzyme from *Bothrops jararaca* snake venom. – *Acta Biochimica et Biophysica Sinica* 36(12): 798–802.
- WARRELL, D.A. (1996): Clinical features of envenoming from snakebites. – *Toxicon* 34(2): 144.
- YAMASHIRO, E.T., B.C. PREZOTO, L. BERTHOLIM, A.F. PAES LEME, A.C.M. CAMARGO & S.M.T. SERRANO (2007): Analysis of the fibrin(ogen)olytic activity of *Bothrops* protease A (BPA), a serine proteinase from the venom of *Bothrops jararaca*. – Reunião Anual Científica do Instituto Butantan, São Paulo.
- YASSUI, A.S.A., M.R. FRANZOLIN, H.W. FAN, C.M.S. MALAQUE, K.F. GREGO, M.E.V. CALEFFO & O.A. SANT’ANNA (2007): Profile of antimicrobial susceptibility of bacteria strains isolated from secondary infection following *Bothrops jararaca* bites. – Reunião Anual Científica do Instituto Butantan, São Paulo.
- ZINGALI, R.B., M. JANDROT-PERRUS, M.-C. GUILLIN & C. BON (1993): Bothrojaracin, a new thrombin inhibitor isolated from *Bothrops jararaca* venom: characterization and mechanism of thrombin inhibition. – *Biochemistry* 32: 10794–10802.
- , M.L. BINACONI & R.Q. MONTEIRO (2001): Interaction of Bothrojaracin with prothrombin. – *Haemostasis* 31: 273–278.