

List of publications

1. CLINICAL TRIALS OF HERBAL MEDICINAL PRODUCTS DEVELOPED BY SWEDISH HERBAL INSTITUTE

1.1. KAN JANG tablets, fixed combination (*Andrographis paniculata*, *Eleutherococcus senticosus*)

Cáceres, D.D., Hancke, J.L., Burgos, R.A., Sandberg, F., Wikman, G.K., 1998, "Use of visual analogue scale measurements (VAS) to assess the effectiveness of standardized *Andrographis paniculata* extract SHA-10 in reducing the symptoms of common cold. A randomized double blind-placebo study", *Phytomedicine*, 6, 4, pp. 217-223.

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Gabrielian, E.S., Shukarian, A.K., Goukasova, G.I., Chandanian, G.L., Panossian, A.G., Wikman, G., Wagner, H., 2002, "A double blind, placebo-controlled study of *Andrographis paniculata* fixed combination Kan Jang in the treatment of acute upper respiratory tract infections including sinusitis", *Phytomedicine*, 9, pp. 589-597.

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Kulichenko, L.L., Kireyeva, L.V., Malyshkina, E.N., Wikman, G., 2003, "A randomized controlled study of Kan Jang versus Amantadine in the treatment of influenza in Volgograd", *Journal of Herbal Pharmacotherapy*, 3, 1, pp. 77-93.

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Melchior, J., Palm, S., Wikman, G., 1996/97, "Controlled clinical study of standardized *Andrographis paniculata* extract in common cold - a pilot trial", *Phytomedicine*, 3, 4, pp. 315-318.

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Melchior, J., Spasov, A.A., Ostrovskij, O.V., Bulanov, A.E., Wikman, G., 1999, "Double blind placebo controlled pilot and Phase III study of a standardised *Andrographis paniculata* Herba Nees extract fixed combination (Kan jang) in the treatment of uncomplicated upper respiratory tract infection", *Phytomedicine*, 7, 5, pp. 341-350.

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Spasov, A.A., Ostrovskij, O.V., Chernikov, M.V., Wikman, G., 2004, "Comparative Controlled Study of *Andrographis paniculata* Fixed Combination, Kan Jang® and an Echinacea Preparation as Adjuvant, in the Treatment of Uncomplicated Respiratory Disease in Children", *Phytotherapy Research*, 18, pp 47-53.

Panossian A., Oganessian A., Mamikonian G., Ambartsumian E., Gabrielian E., Wagner H., Wikman G. Pharmacokinetic and oral bioavailability of andrographolid (AND) from *Andrographis paniculata* extract (APE) in rats and humans *Phytomedicine*, 7(5), 351-364, 2000.

(Pdf available) - it is a clinical study in humans

A. Panossian, A. Hovhannisyanyan, G. Mamikonyan, H. Abrahamian, E. Hambardzumyan, E. Gabrielian "Pharmacokinetic and Oral Bioavailability of Andrographolide from *Andrographis paniculata* Extract

SHA-10 and Andrographis Fixed Combination Kan Jang in Rats and Humans” Drug Information Association, 12th Annual EuroMeeting 2000, Nice, France, pp 30.

A. Panossian, A. Hovhannisyan, G. Mamikonyan, H. Abrahamian, G. Goukasova, E. Gabrielian, G. Wikman, H. Wagner “Pharmacokinetic of Andrographolide from Andrographis paniculata Extract SHA-10 and Andrographis Fixed Combination Kan Jang in Rats and Humans” 3th International Congress on Phytomedicine, Supplement II, 2000, Munich, Germany, pp 118.

Gabrielian E., Hovhannisyan A, Abrahamyan H., Panossian A., Wikman G. Effect of Kan Jang tablets and Echinacea purpurea extract on pharmacokinetic and pharmacodynamic of Warfarin in rats, *Abstracts of World Congress of Pharmacy and Pharmaceutical Sciences , Singapore 1-6 September, 2001*. PDM-P-072.

1. 2. KAN JANG mixture (*Adathoda vasica*, *Echinacea purpurea*, *Eleutherococcus senticosus*)

Thom, E., Wollan, T., 1997, "A controlled clinical study of Kan Jang mixture in the treatment of uncomplicated upper respiratory tract infections", *Phytotherapy Research*, 11, pp. 207-210.

Narimanian, M., Badalyan, M., Panosyan, V., Gabrielian, E., Panossian, A., Wikman, G., Wagner, H., 2005, "Randomized trial of a fixed combination (KanJang®) of herbal extracts containing *Adhatoda vasica*, *Echinacea purpurea* and *Eleutherococcus senticosus* in patients with upper respiratory tract infections", *Phytomedicine*, 12, 8, pp 539-547.

Wikman, G., Panossian, A. "The efficacy of multi-drug therapy for the common cold with particular reference to Kan Jang fixed combination". Abstract P 596, 55th International Congress and Annual Meeting of the Society for Medicinal Plant Research, September 2-6, 2007, Graz, Austria. *Planta Medica*, 73, pp. 100-101.

1.3. ADAPTOGENS (*Eleutherococcus senticosus*, *Rhodiola rosea*, *Schizandra chinensis*)

Bajevsky, R.M., Nikulina, G.A., Bogatova, R.I., Wikman, G., Roslyakova, N.A., 1998, "The study of the phytoadaptogen effect on the organism functional state based on the analysis of heart rate variability", *draft report*

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Panossian, A.G., Oganessian, A.S., Ambartsumian, M., Gabrelian, E.S., Wagner, H., Wikman, G., 1999, "Effects of heavy physical exercise and adaptogens on nitric oxide content in human saliva", *Phytomedicine*, 6, 1, pp. 17-26.

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1.4. Other products

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2. PHARMACOLOGICAL STUDIES OF HERBAL MEDICINAL PRODUCTS DEVELOPED BY SWEDISH HERBAL INSTUTUTE

2.1. KAN JANG tablets (*Andrographis paniculata*, *Eleutherococcus senticosus*)

Amroyan, E., Gabrelian, E., Panossian, A., Wikman, G., Wagner, H., 1999, "Inhibitory effect on andrographolide from *Andrographis paniculata* on PAF-induced platelet aggregation", *Phytomedicine*, 6, 1, pp. 27-31.
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Hovhannisyan, A.S., Abrahamyan, H., Gabrielyan, E.S., Panossian, A.G., 2006, "The effect of Kan Jang Extract on the pharmacoinetics and pharmacodynamics of warfarin in rats", *Phytomedicine*, 13, 5, pp 318-323.
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2.2. ADAPTOGENS (*Eleutherococcus senticosus*, *Rhodiola rosea*, *Schizandra chinensis*)

Panossian, A.G., Oganessian, A.S., Ambartsumian, M., Gabrelian, E.S., Wagner, H., Wikman, G., 1999, "Effects of heavy physical exercise and adaptogens on nitric oxide content in human saliva", *Phytomedicine*, 6, 1, pp. 17-26.
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Panossian, A. Hovhannisyanyan, H. Abrahamyan, G. Wikman, Pharmacokinetics of active constituents of *Rhodiola rosea* L. special extract SHR-5. "Bioactive NaturalProducts" *Studium Press LLC, USA*, 2008.

Panossian A., Wikman G., Kaur P., Asea A. Adaptogens exert a stress protective effect by modulation of expression of molecular chaperons. *Phytomedicine*, 2008.

Ahumada, F., Hermosilla, R., Hola, R., Pena, R., Wittwer, F., Wegmann, E., Hancke, J., Wikman, G., 1989, "Studies on the Effect of Schizandra chinensis Extract on Horses Submitted to Exercise and maximum Effort", *Phytotherapy Research*, 3 (5), pp 175-179.

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Malyshev, L.Y., 1995, "Study of the effect of adaptogens of natural origin on synthesis of heat shock proteins", *Russian Academy of medical Sciences Institute of General Pathology and Pathophysiology*, SCIENTIFIC REPORT in accordance with agreement between "Interstam AB and Institute of general pathology and Pathophysiology

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2.3. OTHER PREPARATIONS

Amaryan G., Astvatsatryan. V., Gabrielyan, E., Panossian, A., Panosyan, V., Wikman, G. 2002, "Double-blind, placebo-controlled, randomized, pilot clinical trial of Immuno-Guard[®] - a standardized fixed combination of *Andrographis paniculata* Nees, with *Eleutherococcus senticosus* Maxim, *Schizandra chinensis* Bail. and *Glycyrrhiza glabra* L. extracts in patients with Familial Mediterranean Fever", *Clinical and Experimental Rheumatology*, 20, 4, p. 104.

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3. Drug analysis

A.Panossian, A.Danielyan, G.Mamikonyan and G.Wikman. Methods of Phytochemical Standardisation of *Rhizoma Cimicifugae racemosae* *Phytochem.Anal.* 15 ,100-108, 2004

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4. Review Articles

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