

BIBLIOGRAPHY

- (1) Nowicky JW. *New Immuno-stimulating anti-cancer preparation "Ukrain"*. 13th International Congress of Chemotherapy, Vienna, 28th August to 2nd September, 57, 1983, PS 12 5 33/A-6, part 288/
- (2) Nowicky JW. *Cancer Treatment Using Anticancer Preparation Alkaloid Derivative Ukrain*. IV Mediterranean Congress of Chemotherapy, 19-25 October 1984, Rhodos, Greece, Chemioterapia, Supplement to n. 2, Volume 4, 1169, April 1985.
- (3) Nowicky J, Greif M, Hamler F, Hiesmayr W, Staub W. *Biological Activity of Ukrain in Vitro and in Vivo*. V Mediterranean Congress of Chemotherapy. 26 October-1 November 1986 Cairo, Egypt, Chemioterapia, Supplement to n. 2, Volume 6, 683, June 1987.
- (4) Nowicky JW, Greif M, Hamler F, Hiesmayr W, Staub W. *Macroscopic UV-Marking through Affinity*. Journal of Tumor Marker Oncology, Volume 3, Number 4, 463, 1988.
- (5) Nowicky J, Hiesmayr W, Nowicky W. *Sensitisation for Specific Lysis in Target-Effektor-System with Derivatives of Chelidonium majus Alkaloids - Ukrain*. Extracted from the Proceedings of the 16th International Congress of Chemotherapy; 852. 1, June 1989, Israel.
- (6) Nowicky JW. *Biological and physiological effects of Ukrain*. Journal of Cancer Research and Clinical Oncology, Supplement Vol. 116, A3. 112. 46, 1990.
- (7) Slesak B, Nowicky JW, Harlozinska A. *In vitro effect of thiophosphoric acid derivatives from Chelidonium majus L. on normal lymphocyte subpopulations*. Journal of Cancer Research and Clinical Oncology, Supplement Vol. 116, A3. 112. 50, 1990.
- (8) Liepins A. *Enhancement of cell mediated lysis of tumor cells by Chelidonium majus L. Alkaloids (Ukrain)*. Journal of Cancer Research and Clinical Oncology, Supplement Vol. 116, A3. 118. 10, 1990.
- (9) Nowicky JW, Liepins A, Zbroja-Sontag W, Staniszewski A, Danilos J. Evaluation of clinical studies of Ukrain in cancer patients. Art:Bar.206, Zona:Barcel-fos, 29-Nov-90,09:37:310.
- (10) Nowicky JW, Staniszewski A, Zbroja-Sontag W, Slesak B, Nowicky W, Hiesmayr W. *Evaluation of Thiophosphoric acid alkaloid derivatives from Chelidonium Majus L. ("Ukrain") as an immunostimulant in patients with Various Carcinomas*. Drugs Exptl. Clin. Res., XVII(2) 139, 1991.
- (11) Nowicky JW, Liepins A, Slesak B, Staniszewski A, Harlozinska-Szmyrka A, Zbroja-Sontag W, Danilos J. *Evaluation of clinical studies of Ukrain in cancer patients*. Journal of Chemotherapy, Supplement n. 4, 522, 1991.
- (12) Liepins A, Nowicky JW. *Ukrain is Selectively Cytostatic and/or Cytotoxic to Human Tumor and HIV-Infected Cells but not to Human Normal Cells*. Recent Advances in Chemotherapy, Anticancer Section, Proceedings of the 17th International Congress of Chemotherapy, Berlin, 2660, 1991.
- (13) Vatanasapt V, Wongpratoom W, Mairiang P, Mairiang E, Chaiyakam C, Buddhisawasd V, Pairojkul C, Nowicky JW. *Preliminary report on clinical experience in the use of Ukrain*. Thai Cancer Journal, Volume 17 No. 1-2, 20, 1991.
- (14) Nowicky JW, Liepins A, Staniszewski A, Slezak B, Nowicky W, Hiesmayr W. *The malignotoxic and immune modulating property of the alkaloid derivative Ukrain*. Journal of Cancer Research and Clinical Oncology, Suppl. Vol. 118, V1. 09. 05, 1992.
- (15) Kleinrok Z, Jagiello-Wojtowicz E, Matuszek B, Chodkowska A. *Basic Central Pharmacological Properties of Thiophosphoric acid alkaloid derivatives from Chelidonium Majus L.* Pol. J. Pharmacol. Pharm., Vol. 44, 227, 1992.

- (16) Remiszewska M, Wutkiewicz M, Jastrzebski Z, Czyzewska-Szafran H, Danysz A. *Pharmacological Effects of Ukrain in Rats and Rabbits*. Acta Poloniae Pharmaceutica-Drug Research, Vol. 49 no. 4, 43, 1992.
- (17) Liepins A, Nowicky JW. *Activation of Spleen Cell Lytic Activity by the Alkaloid Thiophosphoric Acid Derivative: Ukrain*. International Journal of Immunopharmacology, 14, 8, 1437-1442, 1992.
- (18) Slesak B, Nowicky JW, Harlozinska A. *In Vitro Effects of Chelidonium Majus L. Alkaloid Thiophosphoric Acid Conjugates (Ukrain) on the Phenotype of Normal Human Lymphocytes*. Drugs Exptl. Clin. Res., XVIII, 17, 1992.
- (19) Chlopkiewicz B, Marczevska J, Ejchart A, Anuszevska E, Kozirowska J. *Evaluation of Mutagenic, Genotoxic and Transforming Properties of Ukrain*. Drugs Exptl. Clin. Res., XVIII, 31, 1992.
- (20) Kleinrok Z, Jagiello-Wojtowicz E, Nowicky JW, Chodkowska A, Feldo M. *Interaction between Ukrain and Aminophenazone in Analgesic Test in Rodents*. Drugs Exptl. Clin. Res., XVIII, 97, 1992.
- (21) Musianowycz J, Judmajer F, Manfreda D, Spängler P, Albrecht H, Hoffmann J, Meijer D. *Clinical Studies of Ukrain in Terminal Cancer Patients (Phase II)*. Drugs Exptl. Clin. Res., XVIII, 45, 1992.
- (22) Danilos J, Zbroja-Sontag W, Baran E, Kurylcio L, Kondratowicz L, Jusiak L. *Preliminary studies on the effect of Ukrain (Tris {2-{{[5BS-(5BA,6B, 12BA)}-5B,6,7,12B,13,14-hexahydro-13-methyl[1,3] benzodioxolo [5,6-C]-1-3-dioxolo[4,5,-i] phenanthri-dinium-6-ol]-ethaneaminyll} phosphinesulfide·6HCl) on the immunological response in patients with malignant tumours*. Drugs Exptl. Clin. Res., XVIII, 55, 1992.
- (23) Wyczolkowska J, Czuwaj M, Maslinski C. *The immunomodulating preparation Ukrain does not induce anaphylactic sensitization in mice and guinea pigs*. Drugs Exptl. Clin. Res., XVIII, 35, 1992.
- (24) Nowicky JW, Manolakis G, Meijer D, Vatanasapt V, Brzosko WJ. *Ukrain both as an anticancer and immunoregulatory agent*. Drugs Exptl. Clin. Res., XVIII, 51, 1992.
- (25) Staniszewski A, Slesak B, Kolodziej J, Harlozinska-Szmyrka A, Nowicky JW. *Lymphocyte subsets in patients with lung cancer treated with thiophosphoric acid alkaloid derivatives from Chelidonium majus L. (Ukrain)*. Drugs Exptl. Clin. Res., XVIII, 63, 1992.
- (26) Sotomayor E, Rao K, Lopez DM, Liepins A. *Enhancement of macrophage tumouricidal activity by the alkaloid derivative Ukrain. In vitro and in vivo studies*. Drugs Exptl. Clin. Res., XVIII, 5, 1992.
- (27) Pengsaa P, Wongpratoom W, Vatanasapt V, Udomthavornsuk B, Mairieng E, Tangvorapongchai V, Pesi M, Krusan S, Boonvisoot V, Nowicky JW. *The effects of thiophosphoric acid (Ukrain) on cervical cancer, stage IB bulky*. Drugs Exptl. Clin. Res., XVIII, 69, 1992.
- (28) Lohninger A, Hamler F. *Chelidonium majus L. (Ukrain) in the treatment of cancer patients*. Drugs Exptl. Clin. Res., XVIII, 73, 1992.
- (29) Kleinrok Z, Jagiello-Wojtowicz E, Nowicky JW, Chodkowska A, Feldo M, Matuszek B. *Some pharmacological properties of prolonged administration of Ukrain in rodents*. Drugs Exptl. Clin. Res., XVIII, 93, 1992.
- (30) Juskiewicz T, Minta M, Wlodarczyk B, Biernacki B. *Teratological evaluation of Ukrain in hamsters and rats*. Drugs Exptl. Clin. Res., XVIII, 23, 1992.
- (31) Jagiello-Wojtowicz E, Kleinrok Z, Surmaczynska B, Baran E, Feldo M, Nowicky JW. *Effect of single and three months treatment with Ukrain on amino-transferases (ALT and AST) and on the serum protein level in rodents*. Drugs Exptl. Clin. Res., XVIII, 85, 1992.

- (32) Jagiello-Wojtowicz E, Kleinrok Z, Nowicky JW, Matuszek B, Baran E, Surmaczynska B. *Effect of single and prolonged administration of Ukrain on prolactin concentration in rats*. Drugs Exptl. Clin. Res., XVIII, 89, 1992.
- (33) Jagiello-Wojtowicz E., Kleinrok Z., Matuszek B., Surmaczynska B., Baran E., Nowicky W., Nowicky J.W. *Effect of three months treatment with Ukrain on peripheral blood morphology in rodents*. Drugs Exptl. Clin. Res., XVIII, 79, 1992.
- (34) Jagiello-Wojtowicz E., Kleinrok Z., Feldo M., Chodkowska A., Nowicky J.W. *Effect of Ukrain on the efficacy of anti-epileptic drugs against maximal electroshock-induced seizures in mice*. Drugs Exptl. Clin. Res., XVIII, 107, 1992.
- (35) Jagiello-Wojtowicz E., Kleinrok Z., Chodkowska A., Feldo M., Nowicky J.W. *Modification of antinociceptive action of morphine by Ukrain in rodents*. Drugs Exptl. Clin. Res., XVIII, 101, 1992.
- (36) Hohenwarter O., Strutzenberger K., Katinger H., Liepins A., Nowicky J.W. *Selective inhibition of in vitro cell growth by the anti-tumour drug Ukrain*. Drugs Exptl. Clin. Res., XVIII, 1, 1992.
- (37) Danysz A., Kokoschinegg M., Hamler F. *Clinical studies of Ukrain in healthy volunteers (phase I)*. Drugs Exptl. Clin. Res., XVIII, 39, 1992.
- (38) Brüller W. *Studies concerning the effect of Ukrain in vivo and in vitro*. Drugs Exptl. Clin. Res., XVIII, 13, 1992.
- (39) Nowicky J.W. *Biological Properties of Ukrain in Experimental and Clinical Investigations*. International Medical Reviews, Avalanche Ltd. St. Petersburg, Russia, 1, 1, 5, 1993.
- (40) Nowicky J.W., Nowicky W., Liepins A. *Cytostatic and cytotoxic effects of Ukrain on malignant cells*. VIII Mediterranean Congress of Chemotherapy, 24-29 May 1992, Athens, Greece, Journal of Chemotherapy, Supplement n. 1, Volume 5, 797, 1993.
- (41) Nowicky J.W. *Ukrain Antineoplastic Immunostimulant*. E09/029, NSC-631570, NSC-B238865, UKSR-222, W122, Drugs of the Future, Prous Science Publishers, Copyright Prous Science, 18 (11), 1015, November 1993.
- (42) Kamyshtentsev M.V., Voltchek I.V., Btailovskaya I.V., Leschev A.L., Lavinsky Y.C. and Nowicky J. W. *Testing Ukrain as an Anti-Influenza Remedy*. Recent Advances in Chemotherapy, American Society for Microbiology, Proceedings of the 18th International Congress of Chemotherapy, Stockholm, Sweden, June 27-July 2, 645, 1993.
- (43) Liepins A., Sotomayor E. M., Lopez D. M. and J.W. Nowicky. *Biological Response-Modifying Properties of the Alkaloid Derivative Ukrain (NSC 631570)*. Recent Advances in Chemotherapy, American Society for Microbiology, Proceedings of the 18th International Congress of Chemotherapy, Stockholm, Sweden, June 27-July 2, 783, 1993.
- (44) Nowicky J. W., Manolakis G., Meijer D., Vatanasapt V., Brzosko W.J. and Lohninger A. *Immunological and Tumoricidal Properties of Ukrain*. Recent Advances in Chemotherapy, American Society for Microbiology, Proceedings of the 18th International Congress of Chemotherapy, Stockholm, Sweden, June 27-July 2, 793, 1993.
- (45) Lohninger A., Musianowyc J., Judmaier F., Manfreda D., Spängler P., Albrecht H., Hoffmann J. and Mejer D. *Results of Phase II Clinical Studies with Ukrain*. Recent Advances in Chemotherapy, American Society for Microbiology, Proceedings of the 18th International Congress of Chemotherapy, Stockholm, Sweden, June 27-July 2, 794, 1993.
- (46) Voltchek I.V., Nowicky J.W., Zolotukhin N.N., Kamyshtentsev M.V., Miroshnichenko A.G., Leschev A.L. and Belskikh A.N. *Some Immunohematological Effects of Ukrain*. Recent Advances in Chemotherapy, American Society for Microbiology, Proceedings of the 18th International Congress of Chemotherapy, Stockholm, Sweden, June 27-July 2, 798, 1993.

- (47) Nowicky Jaroslaw W., Markowska Janina and Brzosko Witold J. *Ukrain and Natural Killer Cells*. Recent Advances in Chemotherapy, American Society for Microbiology, Proceedings of the 18th International Congress of Chemotherapy, Stockholm, Sweden, June 27-July 2, 863, 1993.
- (48) Zemskov V.S., Yaremchuk O.Ya., Susak Ya.M., Deneka E.R., Kravchenko O.V. and Kamenets L.Ya. *Experience of the Application of Ukrain in Oncological Practice in Ukraine*. Recent Advances in Chemotherapy, American Society for Microbiology, Proceedings of the 18th International Congress of Chemotherapy, Stockholm, Sweden, June 27-July 2, 870, 1993.
- (49) Nowicky J.W., Cisak E., Liepins A., Susak Ja.M., Semskow W. *Stimulation of phagocytic activity in vitro, in vivo and in the clinic by Ukrain*. 11th Future Trends in Chemotherapy, Interdisciplinary World Congress on Antimicrobial and Anticancer Drugs, 24-27 April 1994, Palexpo Geneva (Switzerland), Abstracts: abs. 68, April 1994.
- (50) Kurik M.V., Susak Y.M., Kravchenko O.V. *Some biophysical properties of Ukrain*. 11th Future Trends in Chemotherapy, Interdisciplinary World Congress on Antimicrobial and Anticancer Drugs, 24-27 April 1994, Palexpo Geneva (Switzerland), Abstracts: abs. 79, April 1994.
- (51) Lisnyak O.I., Lozjuk R. M. *Biological activity of some thiophosphamide derivatives of alkaloids with respect to influenza virus*. 11th Future Trends in Chemotherapy, Interdisciplinary World Congress on Antimicrobial and Anticancer Drugs, 24-27 April 1994, Palexpo Geneva (Switzerland), Abstracts: abs. 96, April 1994.
- (52) Lozjuk R.M., Lisnyak O.I., Lozjuk L.V. *Theoretical grounds and experimental confirmation of antiviral effect of the preparation Ukrain*. 11th Future Trends in Chemotherapy, Interdisciplinary World Congress on Antimicrobial and Anticancer Drugs, 24-27 April 1994, Palexpo Geneva (Switzerland), Abstracts: abs. 95, April 1994.
- (53) Brzosko W.J., Graczyk A., Konarski J., Nowicky J.W. *Synergic influence of Ukrain and protoporphyrine amino conjugates on human malignant cell lines*. 11th Future Trends in Chemotherapy, Interdisciplinary World Congress on Antimicrobial and Anticancer Drugs, 24-27 April 1994, Palexpo Geneva (Switzerland), Abstracts: abs. 110, April 1994.
- (54) Brzosko W.J., Uglianica K., Fomin K., Nowicky J.W. *Influence of Ukrain on breast cancers*. 11th Future Trends in Chemotherapy, Interdisciplinary World Congress on Antimicrobial and Anticancer Drugs, 24-27 April 1994, Palexpo Geneva (Switzerland), Abstracts: abs. 109, April 1994.
- (55) Zemskov V.S., Susak Ya.M., Zemskov S.V. *Ukrain monotherapy for treatment of colorectal cancer*. 11th Future Trends in Chemotherapy, Interdisciplinary World Congress on Antimicrobial and Anticancer Drugs, 24-27 April 1994, Palexpo Geneva (Switzerland), Abstracts: abs. 78, April 1994.
- (56) Liepins A., Nowicky J.W. *Selective induction of programmed cell death (apoptosis) in malignant cells by the alkaloid derivative Ukrain (NSC-613570)*. 11th Future Trends in Chemotherapy, Interdisciplinary World Congress on Antimicrobial and Anticancer Drugs, 24-27 April 1994, Palexpo Geneva (Switzerland), Abstracts: abs. 93, April 1994.
- (57) Jagiello-Wojtowicz E., Kleinrok Z., Nowicky J., Hodkowska A., Feldo M., Matuszek B., Jablonska M., Gorzelak M. *Effect of six month treatment with Ukrain on early osteoporosis induced by ovariectomy in rats*. 11th Future Trends in Chemotherapy, Interdisciplinary World Congress on Antimicrobial and Anticancer Drugs, 24-27 April 1994, Palexpo Geneva (Switzerland), Abstracts: abs. 49, April 1994.
- (58) Nowicky J.W., Wladyslawa Nowicky, Hiesmayr W., Potopalsky A. *Alterations of DNA; RNA and protein synthesis in malignant cells under the influence of Ukrain*. XVI International Cancer Congress 1994, 30 October - 5 November 1994, New Delhi, India, abs. PSB 15 -17, 319.

- (59) Voltchek I. *Ukrain - Drug of the Future in the Cancer Treatment?* Terra Medica, Nr. 1, 1995, 24 - 25 (in Russian).
- (60) Ciebiada I., Korczak E., Denys A., Nowicky J. W. *Effect of Ukrain preparation on immune response in mice affected by influenza virus.* Journal of Chemotherapy, Vol. 7 (Suppl.), n. 4, 1995 101-104.
- (61) Voltchek I., Kamyshentsev M., Lavinsky Y., Nowicky J., Medvedev Y., Litvinchuk L. *Comparative Study of the Cytostatic Effects of Oliphen and Ukrain.* Journal of Chemotherapy, Vol. 8 - n. 2, 1996, 144-146.
- (62) Liepins A., Nowicky J.W., Bustamante J.O., Lam E. *Induction of Bimodal Programmed Cell Death in Malignant Cells by the Derivative Ukrain (NSC-631570).* Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 1 - 7.
- (63) Nowicky JW, Hiesmayr W, Nowicky W, Liepins A. *Influence of Ukrain on DNA, RNA and Protein Synthesis in Malignant Cells.* Drugs Exptl. Clin. Res., XXII (Suppl.), 1996, 9-19.
- (64) Nowicky J.W., Hiesmayr W., *Influence of Ukrain on Human Xenografts in vitro.* Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 21 - 25.
- (65) Jin Y.M., Nowicky J.W., Liepins A. *Mitogenic Properties of Ukrain (NSC-631570) on Human Peripheral Blood Monocytes: Clinical Implications.* Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 27 - 30.
- (66) Liepins A., Nowicky J.W. *Modulation of Immune Effector Cell Cytolytic Activity and Tumour Growth Inhibition in vivo by Ukrain (NSC-631570).* Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 31 - 42.
- (67) Susak Y.M., Zemskov V.S., Yaremchuk O.Y., Kravchenko O.B., Yatsyk I.M., Korsh O.B. *Comparison of Chemotherapy and X-ray Therapy with Ukrain Monotherapy for Colorectal Cancer.* Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 43 - 50.
- (68) Uglanica K.N., Fomin K.A., Nefyodov L.I., Nowicky J.W., Brzosko W.J., Jankowski A. *Influence of Ukrain on Patients with Surgically Treated Breast Cancer (Introductory Remarks).* Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 51 - 54.
- (69) Brzosko W.J, Uglanica K.N., Fomin K.A., Nowicky J.W. *Influence of Ukrain on Breast Cancer.* Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 55 - 62.
- (70) Uglanica K.N., Fomin K.A., Nefyodov L.I., Nowicky J.W., Brzosko W.J., Jankowski A. *Influence of Ukrain on Patients with Surgically Treated Breast Cancer. Part I. Clinical and Laboratory Parameters.* Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 63 - 66.
- (71) Uglanica K.N., Fomin K.A., Nefyodov L.I., Vilkiewich T.W., Nowicky J.W., Brzosko W.J., Jankowski A. *Influence of Ukrain on Patients with Surgically Treated Breast Cancer. Part II. Hormonal Profile.* Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 67 - 70.
- (72) Uglanica K.N., Fomin K.A., Nefyodov L.I., Djurd T.I., Nowicky J.W., Brzosko W.J., Jankowski A. *Influence of Ukrain on Patients with Surgically Treated Breast Cancer. Part III. The Immune System.* Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 71 -74.
- (73) Uglanica K.N., Maciuk J.R., Fomin K.A., Nefyodov L.I., Kravchuk R.I., Vinogradova L. M., Nowicky J.W., Brzosko W.J. *Influence of Ukrain on Patients with Surgically Treated Breast Cancer. Part IV. Electromicroscopic and Cytochemical Evaluation.* Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 75 - 82.
- (74) Nefyodov L.I., Uglanica K.N., Smirnov V.Y., Doroshenko Y.M., Fomin K.A., Nowicky J.W., Brzosko W.J. *Amino Acids and Their Derivatives in Blood Plasma of Patients with Breast Cancer Treated with Ukrain. Part V.* Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 83 - 86.
- (75) Nefyodov L.I., Uglanica K.N., Smirnov V.Y., Doroshenko Y.M., Fomin K.A., Nowicky J.W., Brzosko W.J. *Amino Acids and Their Derivatives in Tumour Tissue from Patients with Breast Cancer Treated with Ukrain. Part VI.* Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 87 - 90.

- (76) Nowicky J.W., Hiesmayr W., Liepins A. *Influence of Ukrain on Immunological Blood Parameters in vitro and in vivo*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 91 - 94.
- (77) Boyko V.N., Voltchek I.V., Petrov A.S., Bubnov V.P. *Action of Ukrain, a Cytostatic and Immunomodulating Drug, on Effects of Irradiation*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 95 - 100.
- (78) Jagiello-Wojtowicz E., Kleinrok Z., Nowicky J.W., Jablonski M., Gorzelak M., Chodkowska A., Feldo M., Matuszek B. *Effect of Six-Month Treatment with Ukrain on Early Osteoporosis Induced by Ovariectomy in Rats. Part I: Preliminary Studies of Bone Parameters*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 101- 104.
- (79) Jagiello-Wojtowicz E., Kleinrok Z., Nowicky J.W., Chodkowska A., Feldo M., Surmaczynska B., Gorzelak M., Jablonski M. *Effect of Six-Month Treatment with Ukrain on Early Osteoporosis Induced by Ovariectomy in Rats. Part II: Preliminary Studies of Peripheral Blood Parameters*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 105-108.
- (80) Jagiello-Wojtowicz E., Kleinrok Z., Nowicky J.W., Baran E. *Effect of Six-Month Treatment with Ukrain on Early Osteoporosis Induced by Ovariectomy in Rats. Part III: Preliminary Studies of Some Hormone Levels*. Drugs Exptl. Clin. Res., XXII (Suppl.), 1996, 109-113.
- (81) Susak Y.M., Kurik M.V., Kravchenko O.V., Zemskov S.V. *Certain Biophysical Properties of Ukrain*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 113 - 116.
- (82) Zhalilo LI, Susak YM, Zemskov SV, Susak IA. *Influence of Ukrain on the Redox Processes of Hepatocytes*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 117-120.
- (83) Brzosko W.J., Graczyk A., Konarski J., Nowicky J.W. *Synergic Influence of Ukrain and protoporphyrin Amino Acids Conjugates on Human Malignant Cell Lines*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 121 - 122.
- (84) Wyczółkowska J., Michon T., Nowicky J.W. *Inhibitory Effect of Thiophosphoric Acid Alkaloid Derivatives from Chelidonium majus L. (Ukrain) on Ovalbumin Antigenicity and Antiovalbumin IgE Antibody Response in Mice*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 123 - 128.
- (85) Jagiello-Wojtowicz E., Kleinrok Z., Chodkowska A., Nowicky J.W., Piper H., Kubiowski T. *Antinociceptive Effect of Ten Day Administration of Ukrain in Mice and Interaction of the Treatment with Morphine*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 129 - 132.
- (86) Jagiello-Wojtowicz E., Kleinrok Z., Nowicky J.W., Chodkowska A., Kubiowski T, Piper H. *Interaction Between Ukrain and Morphine in Their Ten-Day Treatment in Mice in the Writhing Syndrome Test*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 133 - 134.
- (87) Ciebiada I, Korczak E., Nowicky JW, Denys A. *Does the Ukrain Preparation Protect Mice Against Lethal Doses of Bacteria?* Drugs Exptl Clin Res, XXII (Suppl), 1996, 135-140.
- (88) Lozjuk R.M., Lisnyak O.I., Lozjuk L.V. *Theoretical Grounds and Experimental Confirmation of the Antiviral Effect of the Preparation Ukrain*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 141 - 146.
- (89) Ciebiada I., Korczak E., Nowicky J.W., Denys A. *Estimation of Direct Influence of Ukrain Preparation on Influenza Viruses and the Bacteria E. coli and S. aureus*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 147 - 152.
- (90) Lisnyak OI, Lozjuk RM. *Biological Activity of Some Thiophosphamide Derivatives of Alkaloids with Respect to Influenza Virus*. Drugs Exptl. Clin. Res., XXII (Suppl.), 1996, 153-156.
- (91) Stabuc B., Benedicic D. *Ukrain with Chemotherapy in Malignant Melanoma (Case Report)*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 159-162.

- (92) Hamler F., Hiesmayr W., Korsh O.B., Melnyk A. *Ukrain Monotherapy in Malignant Melanoma (Case Report)*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 163 - 166.
- (93) Kotsay B., Lisnyak O., Myndiuk O., Romanyshyn J., Fabri O. *Ukrain Treatment of Rhabdomyosarcoma (Case Report)*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 167 - 170.
- (94) Kadan P., Korsh OB, Melnyk A. *Ukrain Therapy of Recurrent Breast Cancer with Lung Metastases (Case Report)*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 171-174.
- (95) Nowicky J.W., Schramm E., Godysh Y. *Biophysical Effects of Ukrain Therapy in a Patient with Breast Cancer (Case Report)*. Drugs Exptl Clin Res., Vol XXII (Suppl), 1996, 175-182.
- (96) Kroiss T., Melnyk A., Korsh O.B. *Ukrain Treatment in Carcinoma of the Cervix (Case Report)*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 183 - 186.
- (97) Lohninger A, Korsh OB, Melnyk A. *Combined Therapy with Ukrain and Chemotherapy in Ovarian Cancer (Case Report)*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 187 - 190.
- (98) Sakalo V.S., Korsh O.B., Melnyk A. *Ukrain Treatment in a Patient with Non-Seminomatous Germ-Cell Tumour of Testis (Case Report)*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 191 - 194.
- (99) Vyas J.J., Jain V.K. *Ukrain Treatment in Carcinoma of the Oesophagus (Case Report)*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 195 - 198.
- (100) Kadan P., Korsh O.B., Hiesmayr W. *Ukrain in the Treatment of Urethral Recurrent Carcinoma (Case Report)*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 199 - 202.
- (101) Steinacker J., Kroiss T., Korsh O.B., Melnyk A. *Ukrain Treatment in a Frontal Anaplastic Grade III Astrocytoma (Case Report)*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 203-206.
- (102) Steinacker J., Korsh O.B., Melnyk A. *Ukrain Therapy of a Recurrent Astrocytoma of the Optic Nerve (Case Report)*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 207 - 210.
- (103) Voltchek I.V., Liepins A., Nowicky J.W., Brzosko W.J. *Potential Therapeutic Efficacy of Ukrain (NSC 631570) in AIDs Patients with Caposi's Sarcoma*. Drugs Exptl. Clin. Res., Vol. XXII (Suppl.), 1996, 211 - 214.
- (104) Thakur M.L., De Fulvio J., Tong. J., John E., McDevitt M.R. and Damjanov I. *Evaluation of biological response modifiers in the enhancement of tumor uptake of technetium-99m labeled macromolecules*. Journal of Immunological Methods, 152 (1992), 209 – 216.
- (105) Jagiello-Wojtowicz E., Kleinrok Z., Chodkowska A., Misztal G., Jagiello G. *Preliminary pharmacokinetic studies of Ukrain in rats*.
- (106) Zemskov V.S., Yaremchuk O.Y., Susak Y.M., Deneka E.R., Kravchenko O.V., Yatsyk I.M. *The first experience in the using of the Ukrain preparation in the treatment of oncological patients in Ukraine*. Likarska Sprava, 1-2, (1024), 1996, 158 – 161.
- (107) Zemskov S.V., Susak Y.M., Todor I.N., Khasanova L.T., Mosienko V.S. *Antimetastatic effect of Ukrain and its influence on the oxygen and energy metabolism of mice with melanoma B-16*. Experimental Oncology, Vol. 18 (1996), 4, 405 – 408.
- (108) Zemskov V.S., Yaremchuk O.Y., Susak Y.M., Kravchenko O.V., Yatsyk I.M., Voltchek I.V. *Ukrain – noviy effektivniy preparat dla lecheniya raka tolstoy i pryamoy kishki*. In: Actualniye Voprosy Oncologii, St. Petersburg, 1996, 175 – 177 (in Russian).
- (109) Nefyodov L.I., Uglanica K.N., Smirnov V.Y., Doroshenko Y.M., Fomin K.A., Nowicky J.W., Brzosko W.J. *Swobodnie aminokisloty i ich proizvodnie v plasme krovi i opuholevoy tkani bolnih rakom molochnoy zhelezi na fone lecheniya novym protivopuholevim preparatom Ukrain*. In: Actualniye Voprosy Oncologii, St. Petersburg, 1996, 212 – 214 (in Russian).

- (110) Uglanica K.N., Fomin K.A., Nefyodov L.I., Nowicky J.W., Brzosko W.J. *Electronmicroscopicheskiy i morphohistohimicheskiy analiz vosdeystvia Ukrain na opuholevuyu tkan molochnoy zhelezy*. In: *Actualniye Voprosy Oncologii*, St. Petersburg, 1996, 175 – 177 (in Russian).
- (111) Jagiello-Wojtowicz E., Kleinrok Z., Urbanska E.M. *Ukrain (NSC-631570) in experimental and clinical studies: A review*. *Drugs Exptl. Clin. Res.*, XXIV (5/6), 1998, 213 - 219.
- (112) Bondar G.V., Borota A.V., Yakovets Y.I., Zolotukhin S.E. *Comparative evaluation of the complex treatment of rectal cancer patients (chemotherapy and X-ray therapy, Ukrain monotherapy)*. *Drugs Exptl. Clin. Res.*, XXIV (5/6), 1998, 221-226.
- (113) Uglianitsa K.N., Nechiporenko N.A., Nefyodov L.I., Brzosko W.J. *Ukrain therapy of stage T1N0M0 bladder cancer patients*. *Drugs Exptl. Clin. Res.*, XXIV (5/6), 1998, 227-230.
- (114) Uglianitsa K.N., Nefyodov L.I., Brzosko W. *Evaluation of the efficacy of Ukrain in the treatment of breast cancer: Clinical and laboratory studies*. *Drugs Exptl. Clin. Res.*, XXIV (5/6), 1998, 231-239.
- (115) Aschhoff B. *Ukrain and hyperthermia treatment in a patient with Ewing's sarcoma (case report)*. *Drugs Exptl. Clin. Res.*, XXIV (5/6), 1998, 241-242.
- (116) Aschhoff B. *Ukrain treatment in a patient with stage IV neuroblastoma. A case report*. *Drugs Exptl. Clin. Res.*, XXIV (5/6), 1998, 243-245.
- (117) Todor I.N., Kazmin S.D., Susak Ya.M., Ztmskov S.V. *The influence of glucose, succinate, pH of the medium and higher temperature on the cytotoxic activity of the preparation Ukrain*. *Drugs Exptl. Clin. Res.*, XXIV (5/6), 1998, 247-252.
- (118) Korolenko T.A., Svechnikova I.G., Filjushina E.E., Kaledin V.I., Vakulin G.M., Usynin I.F., Tsyrendordjiev D.D. *Macrophage stimulation and antitumor effect of Ukrain*. *Drugs Exptl. Clin. Res.*, XXIV (5/6), 1998, 253-260.
- (119) Svechnikova I.G., Korolenko T.A., Stashko J.F., Kaledin V.I., Nikolin V.P., Nowicky J.W. *The influence of Ukrain on the growth of HA-1 tumor in mice: The role of cysteine proteinases as markers of tumor malignancy*. *Drugs Exptl. Clin. Res.*, XXIV (5/6), 1998, 261-269.
- (120) Korolenko T.A., Kaledin V.I., Svechnikova I.G., Li X.V., Stashko J.F., Ilnitskaya S.I., Nikolin V.P. *Study of the antitumor effect of ukrain: The role of macrophage secretion of α -1-proteinase inhibitor*. *Drugs Exptl. Clin. Res.*, XXIV (5/6), 1998, 271-276.
- (121) Kulik G.I. *Comparative in vitro study of the effects of the new antitumor drug Ukrain and several cytostatic agents on the thiol groups in the tissue of Guerin carcinoma and its resistance to cisplatin variant*. *Drugs Exptl. Clin. Res.*, XXIV (5/6), 1998, 277-280.
- (122) Deneka E.R. *Morphometric and kinetic analysis of the growth of experimental sarcoma-45 in the presence of Ukrain*. *Drugs Exptl. Clin. Res.*, XXIV (5/6), 1998, 281-285.
- (123) Kulik GI, Deneka ER, Todor IN, Karmozina LG. *Study of acute toxicity of Ukrain in rats after intravenous injection*. *Drugs Exptl. Clin. Res.*, XXIV (5/6), 1998, 287-293.
- (124) Jagiello-Wojtowicz E., Kleinrok Z., Feldo M., Chodkowska A., Szponar J., Urbanska E.M. *Six-week treatment with Ukrain in rabbits. Part 1: Morphological parameters*. *Drugs Exptl. Clin. Res.*, XXIV (5/6), 1998, 295-299.
- (125) Jagiello-Wojtowicz E., Kleinrok Z., Feldo M., Chodkowska A., Szklarczyk V., Urbanska E.M. *Six-week treatment with Ukrain in rabbits. Part II: Serum levels of gonadal hormones*. *Drugs Exptl. Clin. Res.*, XXIV (5/6), 1998, 301-304.
- (126) Jagiello-Wojtowicz E., Kleinrok Z., Feldo M., Chodkowska A., Szklarczyk V., Urbanska E.M. *Six-week treatment with Ukrain in rabbits. Part III: Serum levels of thyroid hormones*. *Drugs Exptl. Clin. Res.*, XXIV (5/6), 1998, 305-308.

- (127) Jagiello-Wojtowicz E, Kleinrok Z, Chodkowska A, Misztal G., Jagiello G. *Preliminary pharmacokinetic studies of Ukrain in rats*. Drugs Exptl. Clin. Res., XXIV (5/6), 1998, 309-311.
- (128) Gorzelak M., Jablonski M., Patyra M., Jagiello-Wojtowicz E. Effect of intermittent three month treatment with different doses of Ukrain on subregional femoral bone mineral density of sexually mature female rats. Drugs Exptl Clin Res, XXIV (5/6), 1998, 313-316.
- (129) Jablonski M., Gorzelak M., Patyra M., Jagiello-Wojtowicz E. Effect of intermittent three-month treatment with different doses of Ukrain on subregional bone mineral density of the femur of ovariectomized rats. Drugs Exptl. Clin. Res., XXIV (5/6), 1998, 317-320.
- (130) Jagiello-Wojtowicz E, Kleinrok Z, Chodkowska A, Szkodziak A, Siembida E, Gustaw K, Urbanska E. *Modification of antinociceptive action of Ukrain by endogenous nitric oxide in the writhing syndrome test in mice*. Drugs Exptl. Clin. Res., XXIV (5/6), 1998, 321-325.
- (131) Jagiello-Wojtowicz E., Kleinrok Z., Gustaw K. Interaction between Ukrain and Naltrexone in the writhing syndrome test in mice. Drugs Exptl. Clin. Res., XXIV (5/6), 1998, 327-330.
- (132) Boyko V.N., Zholus R.B. *A comparative evaluation of the influence of the complex drug Ukrain and its components on the effects of radiation*. Drugs Exptl. Clin. Res., XXIV (5/6), 1998, 331-333.
- (133) Boyko V.N., Belskiy S.N. *The influence of the novel drug Ukrain on hemo-and immunopoiesis at the time of its maximum radioprotective effect*. Drugs Exptl. Clin. Res., XXIV (5/6), 1998, 335-337.
- (134) Boyko V.N., Levshina Ye.V. *A study of the influence of a novel drug Ukrain on in vivo effects of low-dose ionizing radiation*. Drugs Exptl. Clin. Res., XXIV (5/6), 1998, 339-341.
- (135) Boyko V.N., Zholus R.B., Legeza V.I. A study of the influence of different types of radioprotectors on the survival of mice treated with ionizing radiation over a wide dose range. Drugs Exptl. Clin. Res., XXIV (5/6), 1998, 343-347.
- (136) Koshelnick Y., Moskvina E., Binder B.R., Nowicky J.W. *Ukrain (NSC-631570) inhibits angiogenic differentiation of human endothelial cells in vitro*. 17th International Cancer Congress, Rio de Janeiro, August 24-28, 1998, Monduzzi Editore, 91-95.
- (137) Uglyanitsa K.N., Nefyodov L.I., Nowicky J.W., Brzosko W.J. *The effect of Ukrain on cancer of the urinary bladder*. 17th International Cancer Congress, Rio de Janeiro, August 24-28, 1998, Monduzzi Editore, 1065-1068.
- (138) Voltchek I., Sologub T., Gontcharova L., Pokrovskaya L., Belozyorova L., Lamanova E. Choice of Ukrain and interferon-alpha doses for the cancer patients therapy.
- (139) Panzer A, Seegers JC. *Ukrain, a semisynthetic alkaloid of Chelidonium majus, is selectively toxic to malignant cells by causing a methapase block which results in apoptosis*. Proceedings of the American Association for Cancer Research, vol. 39, March 1998, New Orleans, LA, USA.
- (140) Panzer A., Joubert AM, Bianchi PC, Seegers JC. *The antimitotic effects of Ukrain™, a Chelidonium majus alkaloid derivative, are reversible in vitro*. Cancer Letters 150 (2000), 85-92.
- (141) Nowicky W., Koshelnick Y., Binder B.R. *Ukrain – ein nicht toxisches hochwirksames Anti-Krebs-Arzneimittel*. In: Ganzheitliche Krebstherapie. 5. Wiener Dialog über Ganzheitsmedizin, Facultas-Universitätsverlag, 2000, 205-208 (in German).
- (142) Aschhoff B. *Erfahrungsbericht über Behandlungen mit einem Alkaloidderivat aus Chelidonium majus (Ukrain)*. In: Ganzheitliche Krebstherapie. 5. Wiener Dialog über Ganzheitsmedizin, Facultas-Universitätsverlag, 2000, 209-214 (in German).

- (143) Ramadani M., Gansauge S., Braumüller H., Schlosser S., Beger H.G., Gansauge F. *Selective induction of apoptosis in pancreatic cancer cell lines by NSC-631570*. In: Chirurgisches Forum 2000 für experimentelle und klinische Forschung. 117. Kongreß der Deutschen Gesellschaft für Chirurgie, Berlin, 02.05.-06.05.2000, 79-83 (in German).
- (144) Aschhoff B. *Kombinationstherapie mit dem Alkaloidderivat aus Chelidonium majus plus regionaler Tiefenhyperthermie*. *medizin 2000 plus*, 4/2000, 74-76 (in German).
- (145) Panzer A, Joubert AM, Eloff JN, Albrecht CF, Erasmus E, Seegers JC. *Chemical analyses of ukrain, a semi-synthetic chelidonium majus alkaloid derivative, fail to confirm its trimeric structure*. *Cancer Lett.* 2000 Nov 28;160(2):237-41.
- (146) Panzer A, Hamel E, Joubert AM, Bianchi PC, Seegers JC. *UkrainTM, a semisynthetic chelidonium majus alkaloid derivative, acts by inhibition of tubulin polymerization in normal and malignant cell lines*. *Cancer Lett.*, 2000 Nov 28;160(2):149-57.
- (147) Roublevskaia IN, Polevoda BV, Ludlow JW, Haake AR. *Induced G2/M arrest and apoptosis in human epidermoid carcinoma cell lines by semisynthetic drug Ukrain*. *Anticancer Res.* 2000 Sep-Oct;20(5A):3163-7.
- (148) Kazmin SD, Todor IN. *The effect of antitumor drug Ukrain on malignant proliferating cells being at different stages of cell cycle*. *Intl J Med Biol Environ* 28(1), 57-64 (2000).
- (149) Roublevskaia I.N., Haake A.R., Ludlow J.W., Polevoda B.V. *Induced apoptosis in human prostate cancer cell line LNCaP by Ukrain*. *Drugs Exptl. Clin. Res.*, XXVI (5/6), 2000, 141-147.
- (150) Roublevskaia I.N., Haake A.R., Polevoda B.V. *BCL-2 overexpression protects human keratinocyte cells from Ukrain induced apoptosis but not from G2/M arrest* *Drugs Exptl. Clin. Res.*, XXVI (5/6), 2000, 149-155.
- (151) Hruby R. *Ukrain: Acute toxicity after intravenous, intramuscular and oral administration in rats*. *Drugs Exptl. Clin. Res.*, XXVI (5/6), 2000, 157-161.
- (152) Doroshenko Y.M., Hodysh Y.Y., Uglyanitsa K.N., Nefyodov L.I. *A method for determination of Ukrain in blood plasma for monitoring and pharmacokinetic study*. *Drugs Exptl. Clin. Res.*, XXVI (5/6), 2000, 163-170.
- (153) Doroshenko Y.M., Karavay A.V., Hodysh Y.Y., Uglyanitsa K.N., Nowicky W.M., Nefyodov L.I. *The dynamics of concentration of the main fluorescent component of Ukrain in the tissues and blood plasma of rats with W-256 tumor after a single intravenous injection*. *Drugs Exptl. Clin. Res.*, XXVI (5/6), 2000, 171-177.
- (154) Zemskov V.S., Procopchuk O.L., Susak Y.M., Zemskov S.V., Hodysh Y.Y., Zemskova M.V. *Ukrain (NSC 631570) in the treatment of pancreas cancer*. *Drugs Exptl. Clin. Res.*, XXVI (5/6), 2000, 179-190.
- (155) Uglyanitsa K.N., Nechiporenko N.A., Nefyodov L.I., Doroshenko Y.M., Brzosko W., Nowicky W. *Results of Ukrain monotherapy of prostate cancer*. *Drugs Exptl. Clin. Res.*, XXVI (5/6), 2000, 191-193.
- (156) Nefyodov L.I., Uglyanitsa K.N., Nechiporenko N.A., Smirnov V.Y., Brzosko W., Karavay N.L. *New biochemical mechanisms of the anticancer effect of Ukrain in the treatment of cancer of the urinary bladder*. *Drugs Exptl. Clin. Res.*, XXVI (5/6), 2000, 195-199.
- (157) Uglyanitsa K.N., Nefyodov L.I., Doroshenko Y.M., Brzosko W.J. *Comparison of the efficacy of different doses of Ukrain in the combined treatment of breast cancer*. *Drugs Exptl. Clin. Res.*, XXVI (5/6), 2000, 201-221.
- (158) Uglyanitsa K.N., Nefyodov L.I., Brzosko V. *Comparative evaluation of the efficiency of various Ukrain doses in the combined treatment of breast cancer Report 1 Clinical aspects of Ukrain application*. *Drugs Exptl. Clin. Res.*, XXVI (5/6), 2000, 223-230.
- (159) Nefyodov L.I., Uglyanitsa K.N., Smirnov V.Y., Karavay A.V., Brzosko W. *Comparative evaluation of blood plasma and tumor tissue amino acid pool in radiation or neoadjuvant*

- preoperative therapies of breast cancer with the antitumor drug Ukrain. Drugs Exptl. Clin. Res., XXVI (5/6), 2000, 231-237.*
- (160) Uglyanitsa K.N., Nefyodov L.I., Karayedova L.M., Nowicky J.W., Brzosko W. *Clinical aspects of cancer treatment and new biochemical mechanisms of the drug Ukrain. Drugs Exptl. Clin. Res., XXVI (5/6), 2000, 239-247.*
- (161) Aschhoff B. *Retrospective study of Ukrain treatment in 203 patients with advanced-stage tumors. Drugs Exptl. Clin. Res., XXVI(2000), 249-252.*
- (162) Zemskov S.V., Prokopchuk O.L., Susak Y.M. *Ukrain treatment in a patient with breast carcinoma. Case report. Drugs Exptl. Clin. Res., XXVI (5/6), 2000, 253-254.*
- (163) Prokopchuk O.L., Zemskov S.V., Susak Y.M. *Ukrain treatment of a patient with retroperitoneal synovial sarcoma. Case report. Drugs Exptl. Clin. Res., XXVI (5/6), 2000, 255-256.*
- (164) Prokopchuk O.L., Zemskov S.V., Susak Y.M. *Ukrain treatment in a patient with metastatic renal cell carcinoma extending to the vena cava inferior. Case report. Drugs Exptl. Clin. Res., XXVI (5/6), 2000, 257-259.*
- (165) Voltchek I., Sologub T., Nowicky J.W., Grigoryeva T., Belozyorova L., Belopolskaya M., Semenyako N., Lamanova E. *Preliminary results of individual therapy of chronic hepatitis C by Ukrain and interferon- α . Drugs Exptl. Clin. Res., XXVI (5/6), 2000, 261-266.*
- (166) Votrin I.I., Voltchek I.V., Kurochkin S.N. Kolobkov S.L. *Effects of Ukrain on the activities of DNA-nicking enzymes. Drugs Exptl. Clin. Res., XXVI (5/6), 2000, 267-273.*
- (167) Kurochkin S.N., Kolobkov S.L., Votrin I.I., Voltchek I.V. *Induction of apoptosis in cultured Chinese hamster ovary cells by Ukrain and its synergistic action with etoposide. Drugs Exptl. Clin. Res., XXVI (5/6), 2000, 275-278.*
- (168) Korolenko T.A., Djanayeva S.J., Falameyeva O.V., Wevers R.A., Filjushina E.E., Buzueva I.I., Kaledin V.I., Sandula J., Nowicky J. *Chitotriosidase as a new marker of macrophage stimulation in a tumor model treated with cyclophosphamide and Ukrain. Drugs Exptl. Clin. Res., XXVI (5/6), 2000, 279-283.*
- (169) Korolenko T.A., Poteryaeva O.N., Djanayeva S.J., Svechnikova I.G., Kaledin V.I., Timofeyeva O.A., Filipenko M.L., Nowicky J. *Cystatin C in LS lymphosarcoma and HA-1 hepatoma treated with Ukrain and cyclophosphamide and involvement of apoptosis. Drugs Exptl. Clin. Res., XXVI (5/6), 2000, 285-292.*
- (170) Djanayeva S.J., Korolenko T.A., Svechnikova I.G., Falameyeva O.V., Korolenko E., Kaledin V.I., Nowicky J. *Influence of Ukrain and cyclophosphamide administration on HA-1 murine hepatoma and LS lymphoma on aspartic proteinase cathepsin D. Drugs Exptl. Clin. Res., XXVI (5/6), 2000, 293-299.*
- (171) Poteryaeva O.N., Falameyeva O.V., Korolenko T.A., Kaledin V.I., Djanayeva S.J., Nowicky J.W., Sandula J. *Cysteine proteinase inhibitor level in tumor and normal tissues in control and cured mice. Drugs Exptl. Clin. Res., XXVI (5/6), 2000, 301-306.*
- (172) Luksa-Lichtenthaler G.L., Ladutko E.I., Nowicky J.W. *Influence of Ukrain on the nuclear thyroid hormone receptors after short-term γ -irradiation. Drugs Exptl. Clin. Res., XXVI (5/6), 2000, 307-310.*
- (173) Luksa-Lichtenthaler G.L., Ladutko E.I., Nowicky J.W. *Radiomodification effects of Ukrain, a cytostatic and immunomodulating drug, on intracellular glucocorticoid reception during short-term γ -irradiation. Drugs Exptl. Clin. Res., XXVI (5/6), 2000, 311-315.*
- (174) Jablonski M. *Ukrain (NSC 631570) influences on bone status: A review. Drugs Exptl. Clin. Res., XXVI (5/6), 2000, 317-320.*

- (175) Jablonski M., Gorzelak M., Patyra M., Jagiello-Wojtowicz E. *Intermittent three-month treatment with Ukrain in intact and ovariectomized rats. Part I: Effect on selected biomechanical parameters of the femur.* *Drugs Exptl. Clin. Res.*, XXVI (5/6), 2000, 321-325.
- (176) Jablonski M., Gorzelak M., Patyra M., Jagiello Wojtowicz E. *Intermittent three-month treatment with Ukrain in intact and ovariectomized rats. Part II: Effect on bone mineral density of the femur.* *Drugs Exptl. Clin. Res.*, XXVI (5/6), 2000, 327-331.
- (177) Jablonski M., Korczak W., Gorzelak M., Jagiello-Wojtowicz E. *Intermittent three-month treatment with Ukrain in intact and ovariectomized rats. Part III: Effect on the native electron paramagnetic resonance signal intensity of the femur.* *Drugs Exptl. Clin. Res.*, XXVI (5/6), 2000, 333-336.
- (178) Jagiello-Wojtowicz E., Dudka J., Dawidek-Pietryka K. *Effect of Ukrain on human liver alcohol dehydrogenase activity in vitro.* *Drugs Exptl. Clin. Res.*, XXVI (5/6), 2000, 337-339.
- (179) Uglyanitsa K.N., Nefyodov L.I., Doroshenko Y.M., Nowicky J.W., Volchek I.V., Brzosko W.J., Hodysh Y.J. *Ukrain: A novel antitumor drug.* *Drugs Exptl. Clin. Res.*, XXVI (5/6), 2000, 341-356.
- (180) Grinevich Yu.A., Bendyug G.D., Khranovska N.M., Martinenko S.V., Kadkalenko G.G., Novicky J.W. *Investigation of immunotropic activity of Ukrain in experiments.* *Imunolohiya ta Alerholohiya*, 1, 2001, 22-26 (in Ukrainian).
- (181) Gansauge F, Ramadani M, Gansauge S, Pressmar J, Muehling B, Strecker K, Cammerer G, Leder G, Beger HG. *Pancreatic Cancer and chemotherapy. New developments from bench to bedside. Progress in Pancreatology and GI-Tract Surgery. Gastrointestinal Surgery Today – the Ulm Surgical School.* September 2001.
- (182) Gansauge F, Ramadani M, Pressmar J, Gansauge S, Muehling B, Stecker B, Cammerer G, Leder G, Beger HG. *NSC-631570 (Ukrain) in the palliative treatment of pancreatic cancer. Results of a phase II trial.* *Langenbeck's Archives of Surgery* (2002), 386:570-574
- (183) Andrievski OM, Smalukh NV, Nowicky WM, Krivitski AK. *Vyvchennia vplyvu preparatu "Ukrain" na proyav actyvnosti trypsynopodibnymy proteasami in vitro.* *Odeskyi Medychnyi Journal*, 1 (69), 2002:6-9
- (184) Cordes N, Plasswilm L, Bamber M, Rodemann HP. *Ukrain®, an alkaloid thiophosphoric acid derivative of Chelidonium majus L. protects human fibroblasts but not human tumour cells in vitro against ionizing radiation.* *Int J Radiat Biol* 2002, vol. 78, No. 1, 17-27.
- (185) Zemskov V, Prokopchuk O, Susak Y, Zemskov S, Tkachenko O, Hodysh Y, Nowicky W. *Efficacy of Ukrain in the treatment of pancreatic cancer.* *Langenbeck's Archives of Surgery* (2002) 387:84-89.
- (186) Gansauge F., Ramadani M., Beger H.G. *Ukrain beim fortgeschrittenen Pankreaskarzinom.* *Ars Medici* 2002, 22, 1056-1062.
- (187) Gansauge F. *Ukrain in Pancreatic cancer: Study Final Report.* University Ulm, 2002.
- (188) Aschhoff B. *Using UKRAIN in cancer patients: a clinical experience* (in print).
- (189) European Organization for Research and Treatment of Cancer. New Drug Development Office. *Ukrain (E90/029, W122, UKSR-222, NSC B238865): Screening results – human tumor xenografts in vitro.*
- (190) National Cancer Institute, National Institute of Health: Developmental Therapeutics Program. *NSC 631570: results of the Human Cell Line Screen.* Available at www.dtp.nci.nih.gov.
- (191) Aschhoff B. *Tumor-Arten.* www.villamedica.de.

- (192) Izdebska M, Jagiello Wojtowicz E. *Protective effects of thiophosphoric acid alkaloid from *Chelidonium majus* L. in rats intoxicated by methanol*. Pol J Eur, 2003, submitted.
- (193) Jagiello-Wojtowicz E, Maciejewska-Kozak H, Chodkowska A, Radej R. *The influence of chelidonine and Ukrain on the β 2-microglobulin concentration in the serum of lead-poisoned rats*. Herba Polonica, 2003, submitted.
- (194) Wielosz-Tokarzewska E, Jagiello-Wojtowicz E. *The effect of Ukrain on the serum VIP level in diabetic mice*. International Journal of Immunotherapy, XIX (2-4), 2003, 189-191.
- (195) Jagiello-Wojtowicz E, Kleinrok A, Jurek D. *Effects of Ukrain in acute intoxication with streptozotocin in rats*. International Journal of Immunotherapy, XIX (2-4), 2003, 193-196.
- (196) Jagiello-Wojtowicz E, Izdebska M, Piatkowska-Chmiel I. *The effect of Ukrain on selected biochemical parameters in the serum of methanol intoxicated rats*. International Journal of Immunotherapy, XIX (2-4), 2003, 197-200.
- (197) Yagodina OV, Nikolskaya EB, Faddejewa MD. *Inhibition of liver mitochondrial monoamine oxidase activity by alkaloids isolated from *Chelidonium Majus* and *Macleaya* and by derivative drugs "Ukrain" and "Sanguirythrine"*. Tsitologija. 2003;45(10):1032-7. [Article in Russian].
- (198) Cordes N, Blaese MA, Plasswilm L, Rodemann HP, Van Beuningen D. *Fibronectin and laminin increase resistance to ionizing radiation and the cytotoxic drug Ukrain in human tumour and normal cells in vitro*. Int J Radiat Biol. 2003 Sep;79(9):709-720.
- (199) Poteriaeva ON, Korolenko TA, Svechnikova IG, Zhanaeva Sla, Falameeva OV, Kaledin VI, Nowicky W. *[Cysteine proteinases and their inhibitors in the development of mouse HA-1 hepatoma and antineoplastic therapy]*. Biomed Khim 2004 Mar-Apr;50(2):172-9. Russian.
- (200) Zhanaeva SY, Korolenko TA, Shilov AG, Halikova TA, Guthova IV, Margulis BA, Yarygina ES. *Effect of Ukrain on human lymphoma cell growth with different expressions of heat shock protein 70 (hsp70)*. Int J Immunother 2003, XIX(2-4): 33-39.
- (201) Aschhoff B. *Ukrain in the treatment of prostate cancer patients*. Int J Immunother 2003, XIX(2-4): 41-45.
- (202) Zahriychuk O. *Ukrain, a thiophosphoric acid derivative of alkaloids of *Chelidonium majus* L., is effective in the treatment of recurrent bronchopulmonary pathology in children from areas contaminated after the Chernobyl accident*. Int J Immunother 2003, XIX(2-4): 47-53.
- (203) Sologub TV, Voltchek IV, Kivisepp NA, Grigoryeva T. *Efficacy and safety of the drug Ukrain in chronic hepatitis C patients*. Int J Immunother 2003, XIX(2-4): 55-59.
- (204) Usova TA, Poteryaeva ON, Pospelova TI, Korolenko TA. *Serum cystatin C in patients with hemoblastosis*. Int J Immunother 2003, XIX(2-4): 61-65.
- (205) Gansauge F. *Treatment of pancreatic cancer patients with Ukrain: four case reports*. Int J Immunother 2003, XIX(2-4): 67-71.
- (206) Susak Y. *Ukrain stimulates fibrotic and sclerotic transformations of pancreatic cancer tissue: comparative description of six cases*. Int J Immunother 2003, XIX(2-4): 73-80.
- (207) Aschhoff B. *Retrospective study of Ukrain treatment in 28 patients with unresectable pancreatic cancer*. Int J Immunother 2003, XIX(2-4): 81-85.
- (208) Kleef R. *Ukrain (NSC 631570) in combination with locoregional hyperthermia in the treatment of pancreatic cancer with liver metastases: a case report*. Int J Immunother 2003, XIX(2-4): 87-90.
- (209) Kroiss T. *Ukrain in the therapy of advanced metastatic pancreatic cancer: a case report*. Int J Immunother 2003, XIX(2-4): 91-94.
- (210) Nowicki G, Zahriychuk O. *Ukrain treatment of astrocytomas in girl with tuberous sclerosis: a case report*. Int J Immunother 2003, XIX(2-4): 95-97.

- (211) Langer A, Zahriychuk O, Hodysh Y. *Treatment of generalized lymphangiomatosis with Ukrain: a case report*. Int J Immunother 2003, XIX(2-4): 99-103.
- (212) Aschhoff B. *Clinical improvement of a patient with xeroderma pigmentosum after treatment with Ukrain*. Int J Immunother 2003, XIX(2-4): a case report. Int J Immunother 2003, XIX(2-4): 105-108.
- (213) Nefyodov LI, Doroshenko YM, Smirnov VY, Uglyanitsa KN, Nowicky W. *Metabolic control and treatment of malignant growth: tumor development, patterns of amino acid imbalance and Ukrain*. Int J Immunother 2003, XIX(2-4): 109-114.
- (214) Melnichenko N, Sundikovich E, Makarchikov A, Zverinsky I. *Antioxidative status and lipid peroxidation in rats after administration of Ukrain*. Int J Immunother 2003, XIX(2-4): 115-119.
- (215) Zverinsky I, Maximchuk Y, Melnichenko N, Zaloga I. *Effect of Ukrain on hepatic drug-metabolizing enzymes in rats: pilot studies*. Int J Immunother 2003, XIX(2-4): 121-124.
- (216) Egorov A., Belanovskaya E, Rudyak T, Melnichenko N, Zverinsky I. *Assessment of the functional state and morphological structure of the liver of rats after administration of the drug Ukrain*. Int J Immunother 2003, XIX(2-4): 125-128.
- (217) Levina OA, Goncharova IA, Filatova TG, Nadeev AP, Nowicky W, Sukhenko TG, Kolesnikova OP, Korolenko TA. *Protective effect of Ukrain against acute acetaminophen-induced hepatitis in rats*. Int J Immunother 2003, XIX(2-4): 129-134.
- (218) Usova TA, Poteryaeva ON, Falameyeva OV, Zhanaeva SY, Levina OA, Yarygina ES, Korolenko TA, Nowicky W. *Serum cystatin C in murine tumors treated by combinations of cyclophosphamide with Ukrain or glucans*. Int J Immunother 2003, XIX(2-4): 135-140.
- (219) Zhanaeva SJ, Falameyeva OV, Filatova TG, Goncharova IA, Sukhenko TG, Kolesnikova OP, Kaledin VI, Korolenko TA, Nowicky WM. *Effect of different biological response modifiers on growth and metastazing of murine Lewis adenocarcinoma*. Int J Immunother 2003, XIX(2-4): 141-150.
- (220) Korolenko TA, Falameyeva OV, Poteryaeva OM, Zhanaeva SY, Levina OA, Nowicky W. *Cysteine protease inhibitor stefin A in murine tumors during treatment by Ukrain and/or cyclophosphamide*. Int J Immunother 2003, XIX(2-4): 151-157.
- (221) Todor I. *The effect of the antineoplastic drug Ukrain on the electrokinetic potential of malignant and normal cells*. Int J Immunother 2003, XIX(2-4): 159-167.
- (222) Andrievsky A, Smalyukh N, Krivitsky A, Zahriychuk O. *In vitro effects of Ukrain on the activity of trypsin-like proteases*. Int J Immunother 2003, XIX(2-4): 169-175.
- (223) Jablonski M. *Selected calcitropic hormones in serum of sexually mature female rats treated with Ukrain*. Int J Immunother 2003, XIX(2-4): 177-182.
- (224) Jablonski M. *Serum levels of corticosterone, progesterone, parathyroid hormone and calcitonin in ovariectomized rats after 3-month treatment with Ukrain*. Int J Immunother 2003, XIX(2-4): 183-188.
- (225) Wielosz-Tokarewska E, Jagiello-Wojtowicz E. *The effect of Ukrain on the serum vasoactive intestinal polypeptide level in diabetic mice*. Int J Immunother 2003, XIX(2-4): 189-191.
- (226) Jagiello-Wojtowicz E, Kleinrok A, Jurek D. *Effects of Ukrain in acute intoxication with streptozotocin in rats*. Int J Immunother 2003, XIX(2-4): 193-196.
- (227) Jagiello-Wojtowicz E, Izdebska M, Piatkowska-Chmiel I. *Effect of Ukrain on selected biochemical parameters in the serum of methanol-intoxicated rats*. Int J Immunother 2003, XIX(2-4): 197-200.
- (228) Jagiello-Wojtowicz E., Izdebska M.: *Effect of CNS-631570 (Ukrain) on selected biochemical parameters indicating liver dysfunction in acute methanol intoxication of rats*. Pol. J. Environ., 2004 w druku

- (229) Jagiello-Wójtowicz E., Piatkowska-Chmiel I.: Effects of chelidonine on some biochemical parameters in the serum of rats subacutely intoxicated by copper. *Herba Polonica*, 2004, Vol. 50, No 3/4, 2004
- (230) Zemskov S.V. Efficacy of adjuvant treatment with combination of Ukrain (NSC-631570) and Gemcitabin in cases of pancreas cancer. *Ukrainian Chemotherapeutic Journal* 2005, #1-2
- (231) Mozhenok T.P., Belyaeva T.N., Leontieva E.A., Faddejewa M.D. Modulation of vesicular membrane fusion and of actin cytoskeleton in mouse macrophages inducing by alkaloid sanguinarine and a derivative drug Ukrain. *Cytology* 2005, #10. Institute of Cytology, RAS, St. Petersburg, Russia.
- (232) Tomaszewski M., Olchowik M. Influence of Ukrain on some parameters in pelvis bone tissue of rats exposed to subacute microwave radiation. *Krajowe Sympozjum Studenckich Kół Naukowych Akademii Medycznych, Lublin*, 15 stycznia 2005.
- (233) Olchowik M., Tomaszewski M. Effect of Ukrain on biochemical parameters of rats subjected to subacute microwave radiation (mW). *Krajowe Sympozjum Studenckich Kół Naukowych Akademii Medycznych, Lublin*, 15 stycznia 2005.
- (234) Piątkowska-Chmiel I. Porównanie działania chelidoniny i leku Ukrain w ostrych zatruciach miedzią i cyną u szczurów. *Krajowe Sympozjum Studenckich Kół Naukowych Akademii Medycznych, Lublin*, 15 stycznia 2005.
- (235) Izdebska M., Jagiełło-Wójtowicz E. Protective effects of NSC-631570 in rats acutely intoxicated by ethylene glycol. VII Sympozjum „Postępy Toksykologii Klinicznej i Sądowej”, Kraków, 2-4 czerwca 2005, *Przegl. Lek.*, 2005, t. 62, 6, s. 638.
- (236) Piątkowska-Chmiel I., Jagiełło-Wójtowicz E. Comparison of actions of Chelidonine and Ukrain in acute copper chloride intoxication in rats. VII Sympozjum „Postępy Toksykologii Klinicznej i Sądowej”, Kraków, 2-4 czerwca 2005, *Przegl. Lek.*, 2005, t. 62, 6, s. 638.
- (237) Izdebska M., Jagiełło-Wójtowicz E. Effect of single or 10-day treatment with Ukrain on some biochemical parameters in the serum of rats acutely intoxicated with alcohols. 42nd Congress of Toxicology, EUROTOX, Kraków, 11-14 September 2005, Vol. 158, Suppl. 1, s. 56-57.
- (238) Ernst E, Schmidt K: Ukrain – a new cancer cure? A systematic review of randomised clinical trials. *BMC Cancer*. 2005; 5: 69. doi: 10.1186/1471-2407-5-69.
- (239) Kleinrok A., Jagiełło-Wójtowicz E. Effects of Ukrain on some biochemical parameters In mice pretreated with streptozotocin. IV Lwowsko-Lubelska Konferencja Biochemii Eksperymentalnej i Klinicznej, Lublin, 11-13 maja 2006.
- (240) Izdebska M., Jagiełło-Wójtowicz E. Effect of thiophosphoric acid alkaloid derivatives from *Chelidonium majus* L. on some biochemical parameters in the serum of rats acutely intoxicated by ethylene glycol. 5th International Symposium on Chromatography of Natural Products (ISCNP). The Application of Chromatographic Methods in Phytochemical & Biomedical analysis, Lublin -Kazimierz Dolny, June 19-22, 2006, P-58, s. 110.
- (241) Jagiełło-Wójtowicz E., Piątkowska-Chmiel I. Protective effects of chelidonine and Ukrain in rats acutely intoxicated with tin chloride. 5th International Symposium on Chromatography of Natural Products (ISCNP). The Application of Chromatographic Methods in Phytochemical & Biomedical analysis, Lublin -Kazimierz Dolny, June 19-22, 2006, P-60, s. 112.
- (242) Jagiełło-Wójtowicz E., Chodkowska A. Estimation of biochemical parameters in blood serum of rats subjected to 10-day treatment with alkaloid thiophosphoric acid derivative of *Chelidonium majus* L. (Ukrain) with simultaneous exposition to ionizing radiation. 5th International Symposium on Chromatography of Natural Products

- (ISCNP). The Application of Chromatographic Methods in Phytochemical & Biomedical analysis, Lublin -Kazimierz Dolny, June 19-22, 2006, P-61, s. 113.
- (243) Lanvers-Kaminsky C, Nolting DM, Köster J, Schröder A, Sandkötter J, Boos J (2006): In-vitro toxicity of Ukrain against human Ewing tumor cell lines. *Anticancer Drugs* 17(9): 1025-1030
- (244) Ernst E. Why there will never be an alternative cancer cure. *Anti-Cancer Drugs* 2006, 17: 1023-1024
- (245) Gagliano N, Moscheni C, Torri C, Magnani I, Bertelli AAE, Nowicky W and Gioia M (2006): Effect of Ukrain on matrix metalloproteinase-2 and Secreted Protein Acidic and Rich in Cysteine (SPARC) expression in human glioblastoma cells. *Anti-Cancer Drugs* 17:189-194.
- (246) Habermehl D, Kammerer B, Handrick R, Eldh T, Gruber C, Cordes N, Daniel PT, Plasswilm L, Bamberg M, Belka C, Jendrossek V: Proapoptotic activity of Ukrain is based on *Chelidonium majus* L. alkaloids and mediated via a mitochondrial death pathway. *BMC Cancer* 2006; 6:14, <http://www.biomedcentral.com/1471-2407/6/14>.
- (247) Gansauge F, Ramadani M, Schwarz M, Beger HG, Lotspeich E, Poch B: The Clinical Efficacy of Adjuvant Systemic Chemotherapy with Gemcitabine and NSC-631570 in Advanced Pancreatic Cancer. *Hepato-Gastroenterology* 2007; 54:917-920
- (248) Jagiełło-Wójtowicz E., Izdebska M.: Effect of thiophosphoric acid alkaloids derivative from *Chelidonium majus* (L.) on antioxidant status in alcohol -intoxicated rats. *J. Ethnopharmacol.*, 2007 - submitted
- (249) Jagiełło-Wójtowicz E., Chodkowska A., Jabłoński M., Olchowik G.: Serum RANKL in rats treated with Ukrain and simultaneous exposition to ionizing radiation. *J. Ethnopharmacol.*, 2007 - submitted
- (250) Gagliano N, Moscheni C, Torri C, Donetti E, Magnani I, Costa F, Nowicky W and Gioia M (2007): Ukrain modulates glial fibrillary acidic protein, but not connexin 43 expression, and induces apoptosis in human cultured glioblastoma cells. *Anti-Cancer Drugs* 2007, 18: 669-676.
- (251) Check JB, Laniko AI: Effect of hypokinesia on cyclic nucleotides and hormonal regulation of calcium metabolism in rats. *East Afr Med J.* 2002 Apr; 79(4): 210-3
- (252) Rebscher H: Off-label use in oncology. Quackery or progress? *MMW Fortschr Med.* 2002 Oct 10; 144(41): 25-6. German.
- (253) Chibowski S, Zygmunt J: The influence of the sorptive properties of organic soils on the migration rate of ¹³⁷Cs. *J Environ Radioact.* 2002; 61 (2): 213-23.
- (254) Kuznetsova LP, Sochilina EE, Faddeeva MD, Iagodina OV: Effect of some isoquinoline alkaloids on enzymatic activity of acetylcholinesterase and monoamine oxidase. *Ukr Biokhim Zh.* 2005 Mar-Apr; 77(2): 147-53. Russian
- (255) Dudka J, Burdan F, Szumilo J, Tokarska E, Korobowicz A, Klepacz R, Gieroba R, Madej B, Korobowicz E: Effect of selected alcohol dehydrogenase inhibitors on human hepatic lactate dehydrogenase activity – an in vitro study. *J Appl Toxicol.* 2005 Nov-Dec; 25 (6): 549-53.
- (256) Grinevich Y, Shalimov S, Bendyuh G, Zahriychuk O, Hodysh Y: Effect of Ukrain on the growth and metastasizing of Lewis carcinoma in C57BL/6 mice. *Drugs Exp Clin Res.* 2005; 31(2): 59-70.
- (257) Mendoza J., Zamora R., Gallardo J., Ceballos G., Aldana A., Espinosa M., Maldonado V., Melendez-Zajgla: NF-kappaB Does Not Influence the Induction of Apoptosis by Ukrain. *Cancer Biology & Therapy* 5:7, July 2006: 788-793.