

ПРОГРАМА

VII НАЦИОНАЛЕН КОНГРЕС ПО ФАРМАКОЛОГИЯ
17 – 19 Октомври 2014 Медицински Университет – Плевен
ФАРМАКОЛОГИЯТА – ОТ ЕКСПЕРИМЕНТА КЪМ КЛИНИКАТА

| 17 ОКТОМВРИ 2014 Г. | | |
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| 09.00–15.00 | РЕГИСТРАЦИЯ | |
| 15.30 | ОТКРИВАНЕ , зала „Амброаз Паре“ | |
| 16.00 | <i>Встъпителни думи</i> – Радомир Радомиров | |
| 16.00-16.30 | <i>In memoriam</i> – Проф. д-р Димитър Пасков Иван Т. Ламбев | |
| 16.30-17.15 | Един аспирант и сътрудник на проф. Д. Пасков – Няколко думи за учителя. Витан Влахов: Фармакотерапия на хронична немалигнена болка при пациенти в напреднала възраст | |
| 17.15-17.45 | Една визитка на МУ - Плевен: Роботизирана гинекологична хирургия – петгодишен опит, Григор Горчев, Славчо Т. Томов | |
| 20.00 | Коктейл „Добре дошли“ | |
| 18 ОКТОМВРИ 2014 г. | | |
| 08.30-10.00 | Зала „Амброаз Паре“ ДИЗАЙН НА БИОЛОГИЧНО АКТИВНИ ВЕЩЕСТВА Модератори: Евгени Головински, Огнян Петров 1. Cobaltabisdicarbollides with promising antitumor and antimicrobial properties, <i>Radostina I. Alexandrova, Teodora P. Popova, Tanya D. Zhivkova, Lora V. Dyakova, Milena Georgieva, George A. Miloshev, Francesc T. Bombardo, Reni E. Kalfin, Clara V. Teixidor</i> 2. Cytotoxic and antiproliferative effects of metal complexes in multidrug resistant cells, <i>Radostina I. Alexandrova, Pavel Mitrenga, Reni E. Kalfin, Tanya D. Zhivkova, Lora V. Dyakova, Elena-Maria Mosoarca, Ramona Tudose, Otilia Costisor, Daniela-Cristina Culita, Gabriela Marinescu, Luminita Patron, Katalin Nemet</i> | Зала „Гален“ ФАРМАКОЛОГИЯ НА ПОВЕДЕНИЕТО Модератори: Здравка Радионова, Яна Чекаларова 1. Finding a model for comorbidity between attention deficit hyperactivity disorder and epilepsy, <i>Jana D. Tchekalarova</i> 2. Quantitative monitoring of psychomotor activity during pharmacological treatment of depressive episodes, <i>P. Terziivanova, S. Haralanov</i> 3. Use of ultrasonic craniocoropography for assessment of alcohol withdrawal, <i>Vasil P. Jenkov, Svetlozar H. Haralanov</i> 4. Effects of plant polyphenolics in depression. Our experience with <i>Aronia melanocarpa</i> fruit juice, <i>Stefka V. Valcheva-Kuzmanova</i> 5. Evaluation of experimental techniques in the psychopharmacology of behavior, <i>Vesselin V. Petkov</i> 6. Effect of elagic acid on the cognitive functions of mice, <i>Lyubka P. Tancheva, Simona Alexandrova, Almira P. Georgieva, Radoslav Ts. Klisurov, Svetlana M. Stoeva, Lora Simeonova, Elitsa Pavlova</i> 7. Depression and possibilities of curing it by acupuncture, <i>Paul G. Jurov, Nadka Boyajieva</i> |
| | ОНКОФАРМАКОЛОГИЯ Модератор: Иван Черноземски 1. Фармакологични подходи за патогенетична профилактика на рака, <i>Румен М. Балански</i> 2. Индивидуализирано лечение - подходи в онкологията, <i>Галина П. Куртева</i> | |
| 10.00-10.45 | Зала „Амброаз Паре“ Сателитен симпозиум Актавис | |
| 10.45-11.00 | Кафе пауза | |
| 11.00-12.00 | ИМУНОФАРМАКОЛОГИЯ Модератори: Богдан Петрунов, Емилияна Конова 1. Витамин D, автоимунни заболявания и инфертилитет, <i>Емилияна И. Конова</i> 2. Toxic epidermal necrolysis - immune-mediated, drug induced skin disease, <i>Julia V. Radenkova – Saeva</i> 3. Age-dependency of cyclosporine (CsA) concentration distributions in liver transplant patients – a comparative observational pilot population pharmacokinetic study, <i>Karina K. Blagoeva, Ivanka N. Atanasova, Lubomir D. Spasov, Dimiter N. Terziivanov</i> | ФАРМАКОТЕРАПИЯ НА ИНФЕКЦИОЗНИТЕ ЗАБОЛЯВАНИЯ Модератори: Ангел Гълъбов, Златко Кълвачев 1. Antiviral Combination Approach: a Perspective to Combat Enterovirus Infections, <i>Angel S. Galabov, Ivanka Nikolova, Ralitsa Vassileva, Adelina Stoyanova</i> 2. Does mefloquine (Lariam®) therapy improve the prognosis of human JC polyomavirus-induced progressive multifocal leukoencephalopathy? <i>Zlatko Kalvatchev, Iliya Tsekov</i> 3. Effect of antibiotics on PepT-1 mRNA expression in poultry, <i>Ivelina Pavlova, Aneliya Milanova, Svetla Danova, Johanna Fink-Gremmels</i> |
| | ФАРМАКОИКОНОМИКА Модератори: Генка Петрова, Александра Савова 1. “Status Quo” of Pharmacoconomics in Bulgaria, <i>Guenka I. Petrova</i> | ЛЕКАРСТВЕНА ТОКСИКОЛОГИЯ Модератори: Надка Бояджева, Любка Танчева 1. Epigenetics in toxicology, <i>Nadka I. Boyadjieva</i> 2. Factors influencing metabolism and toxicity, <i>Mitka K.</i> |
| 12.00-13.30 | | |

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| | <p>2. Biopharmaceuticals in the treatment of the rheumatoid arthritis, <i>Lyubomir T. Marinov, Irina N. Nikolova, Nikolai D. Danchev, Guenka I. Petrova</i></p> <p>3. Social and economic burden of osteoporosis in Bulgaria, <i>Guenka I. Petrova, Maria J. Dimitrova, Valentina B. Petkova, Alexandra Tz. Savova, Elina S. Petkova</i></p> <p>4. Application of the data from clinical trials in pharmaco-economic assessments, <i>Toni Y. Vekov</i></p> <p>5. Quality of life of HCV patients in Bulgaria, <i>Maria J. Dimitrova, Guenka I. Petrova, Valentina B. Petkova, Assena H. Stoimenova, Elina S. Petkova</i></p> <p>6. Pricing and reimbursement of medicinal products in Bulgaria: is it time for risk sharing agreements? <i>Guenka I. Petrova, Tatyana V. Benisheva-Dimitrova, Assena H. Stoimenova, Alexandra Tz. Savova</i></p> | <p><i>Mitcheva, Vessela B. Vitcheva, Magdalena S. Kondeva-Burdina, Rumyana L. Simeonova, Nikolai D. Danchev, Henry A. Astroug</i></p> <p>3. Toxicological importance of immune system/drug metabolism interactions, <i>Stanislav G. Yanev</i></p> <p>4. <i>In vitro/in vivo</i> experimental study on some metabolic interactions with amphetamine – possible mechanisms, <i>Vessela B. Vitcheva, Rumyana L. Simeonova, Magdalena S. Kondeva-Burdina, Mitka K. Mitcheva</i></p> <p>5. Implementation of safety pharmacogenetics in preemptive risk-assessment of adverse drug reactions to antidepressants – current state and our experience with selective serotonin reuptake inhibitors, <i>Diana I. Pendicheva, Ivo B. Duhlenki, Antoaneta M. Pandurska</i></p> <p>6. Effects of naltrexone on metabolic functions, <i>Paul G. Jurov, Nadka I. Boyadjieva</i></p> <p>7. <i>In vitro</i> effects of two groups benzimidazoles on isolated rat hepatocytes, <i>Magdalena S. Kondeva-Burdina, Kamelia Anichina, Anelia Mavrova, Mitka K. Mitcheva</i></p> <p>8. Changes in some liver biochemical parameters in male and female diabetic spontaneously hypertensive rats, <i>Rumyana L. Simeonova, Vessela B. Vitcheva, Elisaveta Y. Yosifova, Magdalena S. Kondeva-Burdina, Spiro M. Konstantinov, Mitka M. Mitcheva</i></p> |
| 13.30-14.30 | Почивка | |
| 14.30-16.00 | <p>ФАРМАКОЛОГИЯ НА ВЪЗПАЛЕНИЕТО И БОЛКАТА Модератори: Дамян Дамянов, Мила Власковска</p> <p>1. Възпалението и неговото лечение през погледа на хирурга, <i>Дамян Н. Дамянов, Емил В. Костадинов</i></p> <p>2. Pain in osteoporosis, <i>Mila V. Vlaskovska, Slavina K. Surcheva</i></p> <p>3. Activated spinal glia as a marker for neuropathic pain and target for therapy in experimental models of peripheral neuropathy, <i>Slavina K. Surcheva, Lachezar K. Surchev, Mila V. Vlaskovska</i></p> <p>4. Effects of acute and long-term caffeine treatment on depression-induced changes in nociception, <i>Daniela M. Pechlivanova, Zlatina P. Nenčovska, Jana D. Tchekalarova</i></p> <p>5. Effect of age and renal insufficiency on the pharmacokinetics of a non-opioid analgesic - Flupirtine, <i>Emil M. Gatchev, Christian deMey, Boriana P. Deliyсka</i></p> | <p>ФАРМАКОЛОГИЯ НА ОЧНИТЕ ЗАБОЛЯВАНИЯ Модератори: Петя Василева, Лилия Витанова</p> <p>1. New Drug for Intravitreal Application for Diseases of the Posterior Segment, <i>Petya Vasileva, Ivan Georgiev</i></p> <p>2. Ocular surface disorders in patients treated with BAK containing antiglaucoma drops, <i>Iliyan Shandurkov, Petya Vassileva, Ivan Georgiev</i></p> <p>3. Antiglaucoma treatment with betablockers in patients with cardiovascular diseases, <i>Nataliya Petkova</i></p> <p>4. Receptors and glia: immunocytochemical study of low vertebrate retina, <i>Liliya A. Vitanova, Petia N. Kупenova</i></p> <p>5. Dopamine and serotonin in frog and turtle retina: an immunofluorescent study, <i>Liliya A. Vitanova, Desislava Zhekova</i></p> |
| 16.00-16.30 | Кафе пауза | |
| 16.30-18.00 | <p>ФИТОФАРМАКОЛОГИЯ Модератори: Николай Данчев, Илияна Йонкова</p> <p>1. Department Of Pharmacology, Pharmacotherapy and Toxicology in Faculty of Pharmacy – Sofia - in the years, <i>Nikolai D. Danchev, Mitka K. Mitcheva</i></p> <p>2. Pharmacological and toxicological investigations of newly galantamine peptide esters and piperidine hybrid compounds, <i>Dragana I. Saharieva, Irina N Nikolova, Lyubomir Vezenkov, Tchavdar Ivanov, Nikolai D. Danchev</i></p> <p>3. <i>In vitro</i> effects of flavonoides, isolated from <i>Bupleurum flavum</i>, on different models of toxicity, <i>Magdalena Kondeva-Burdina, Dimitrina Zeleva-Dimitrova, Reneta Gevrenova</i></p> <p>4. The method of phytotherapy in traditional Chinese medicines, <i>Paul Jurov</i></p> | <p>ФАРМАКОЛОГИЯ НА ЕНДОКРИННИТЕ ЗАБОЛЯВАНИЯ Модератори: Мария Орбецова, Катя Тодорова</p> <p>1. Medical treatment of polycystic ovary syndrome (PCOS), <i>Maria M. Orbetzova</i></p> <p>2. Фармакогенетиката и нейната възможна роля в лечението на втори тип захарен диабет и затлъстяване, <i>Катя Тодорова</i></p> <p>3. Replacement therapy in adults with growth hormone deficiency, <i>Ivayla Uzunova, Georgi Kirilov, Sabina Zacharieva</i></p> <p>4. Effects of vitamin K on rats fed high-fat high-fructose diet, <i>Maria Zhelyazkova-Savova, Bistra Galunska, Silvia Gancheva, Hristo Popov, Martina Kitanova, Peter Genev</i></p> |
| 20.00 | Официална вечеря | |

| 19 ОКТОМВРИ 2014 г. | | |
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| | Зала „Амброаз Паре“ | Зала „Гален“ |
| 09.00-10.00 | ФАРМАКОЛОГИЯ НА КОЖНИТЕ ЗАБОЛЯВАНИЯ Модератори: Николай Цанков, Димитър Господинов 1. Рифампицин в лечението на псориазис, <i>Николай Цанков</i> 2. Съвременно лечение на атопичен дерматит, <i>Ивелина Йорданова, Вероника Гинчева, Десислава Цветанова</i> 3. Съвременни стратегии за лечение на псориазис вулгарис, <i>Димитър Господинов, Клементина Господинова, Гурприйт Вараих</i> | ФАРМАКОЛОГИЯ ПРИ НЕРВНО-ДЕГЕНЕРАТИВНИ ЗАБОЛЯВАНИЯ Модератори: Иван Миланов, Радомир Радомиров 1. Clinical use of cannabinoids, <i>Ivan Milanov</i> 2. Neurotransmitter systems involved in incontinence/continence of colo-recto-anal region, <i>Radomir Radomirov, Galya Stavreva</i> |
| Зала „Амброаз Паре“ VARIA. ЛЕКЦИИ Модератори: Славина Сурчева, Галя Ставрева | | |
| 10.00-10.30 | The phenomenon functional brain asymmetry, <i>Negrin N. Negrev, Dimiter N. Terziivanov</i> | |
| 10.30-11.00 | Chronobiology, Chronopharmacology and Chronotherapeutics, <i>Alexander G. Stoynev</i> | |
| 11.00-11.30 | Фармакотерапия за супервайзери, <i>Стефан Костянев</i> | |
| 11.30 | Открита кръгла маса: Фармакология, клинична фармакология и фармакотерапия – съвременни тенденции в обучението Домакин: Руси Марев ДОКЛАДИ: 1. Study on perception of undergraduate medical students on utilization of forensic toxicological cases in the pharmacology curriculum, <i>Pavlina Gateva</i> 2. Web базирано обучение по фармакология, <i>Иван Т. Ламбев, Катерина Д. Симеонова</i> | |
| СЪБРАНИЕ НА БЪЛГАРСКО ДРУЖЕСТВО ПО ФАРМАКОЛОГИЯ | | |
| ЗАКРИВАНЕ НА КОНГРЕСА | | |

ОФИЦИАЛЕН ЕЗИК НА КОНГРЕСА: БЪЛГАРСКИ

ПОСТЕРИТЕ СЕ ИЗЛАГАТ НА 17 ОКТОМВРИ ВЪВ ФОАЙЕТО НА „ТЕЛЕЦ“, МУ – ПЛЕВЕН, НА ОБОЗНАЧЕНИ МЕСТА, СЪГЛАСНО ДАДЕНИЯ ПО-ДОЛУ СПИСЪК.

СПИСЪК ПОСТЕРИ

ДИЗАЙН НА БИОЛОГИЧНО АКТИВНИ ВЕЩЕСТВА

- Toxicity and pharmacological activity of two newly synthesized neuropeptides analogues of Tyr-MIF-1 and nociceptine
Svetlana M. Stoeva, Lyubka P. Tancheva, Reni E. Kalfin, Tamara I. Pajpanova, Almira P. Georgieva, Radoslav Ts. Klissurov, Stela T. Dragomanova
- Effects of new neuropeptides with short chains on cognitive functions of mice
Svetlana M. Stoeva, Lyubka P. Tancheva, Reni E. Kalfin, Tamara I. Pajpanova, Almira P. Georgieva, Radoslav Ts. Klissurov, Stela T. Dragomanova

ОНКОФАРМАКОЛОГИЯ

- Two different models of insulin resistance in rats with a different impact on N-methyl-N-nitrosurea-induced cancerogenesis
Pavlina A. Gateva, Nadka Boyadjieva, Michail Nikolovski, Maya Katrafilova
- Metal complexes of non-steroidal anti-inflammatory drugs as putative anticancer agents
Lora V. Dyakova, Tanya D. Zhivkova, Milena Georgieva, George A. Miloshev, Pavel Mitrenga, Simona Spasova, Daniela-Cristina Culita, Gabriela Marinescu, Luminita Patron, Reni E. Kalfin, Radostina I. Alexanderova

ФАРМАКОЛОГИЯ НА ПОВЕДЕНИЕТО

- Effect of subchronically intracerebroventricularly injected CB1 receptor ligands on learning and memory in rats
Margarita S. Ivanova, Stilian P. Belcheva, Iren P. Belcheva, Negrin Negrev, Roman E. Tashev
- Anxiolytic-like effect of VIP microinjected into hippocampal CA1 area of rats with a model of depression
Margarita S. Ivanova, Stilian P. Belcheva, Iren P. Belcheva, Zlatislav D. Stoyanov, Roman E. Tashev
- Role of neuropeptides in hippocampal hemispheric asymmetry of learning and memory in rats
Iren P. Belcheva, Margarita S. Ivanova, Stilian P. Belcheva, Roman E. Tashev
- Effect of long-term treatment with losartan on diurnal variations of depressive-like behavior in spontaneously hypertensive rats
Natasha Ivanova, Daniela M. Pechlivanova, Lidia V. Kortenska, Petj P. Markova, Jana D. Tchekalarova
- Changes in learning and memory in drug-induced amnesia with diazepam in rats treated with lacosamide

- Mihaela S. Shishmanova, Lydmil P. Peychev, Katerina N. Georgieva*
10. Continuous treatment with psychotropic drugs of foundlings in homes for disadvantaged children
Pavlina A. Gateva, Ralitzha Nachova, Alexander Alexandrov
 11. Novel L-valine peptidomimetics modulate cognition and neurotransmission in hippocampus of socially isolated rodents
Eleonora N. Encheva, Lyubka P. Tancheva, Liana G. Alova, Lyudmila I. Shikova, Maria I. Kaneva, Radoslav Ts. Klisurov, Daniela S. Tsekova, Vesselin V. Petkov
 12. Novel peptidomimetic affects cognition of young socially isolated rats
Eleonora N. Encheva, Lyubka P. Tancheva, Miroslav T. Novoselski, Radoslav Ts. Klisurov, Vesselin V. Petkov, Daniela S. Tsekova
 13. Gender differences in the behavioral changes induced by experimental models of diabetes mellitus type 1 and spontaneous hypertension in rats.
Kiril I. Petrov, Daniela M. Pechlivanova, Zlatina P. Nenchovska, Rumiana G. Mitreva, Alexandar G. Stoynev
 14. Modulation of serotonin levels in hippocampus of socially isolated rats by new l-valine peptidomimetics
Liana Alova, Lyubka P. Tancheva, Eleonora N. Encheva, Radoslav Ts. Klisurov, Daniela S. Tsekova
 15. Effect of pinealectomy on anxiety and depressive-like behavior in Wistar rats
Zlatina P. Nenchovska, Lidia Kortenska, Liana Alova, Milena A. Atanasova, Jana D. Tchekalarova
 16. Behavioral tests in rat models of metabolic syndrome
Silvia Gancheva, Maria Zhelyazkova-Savova
 17. Research of the blood levels of HPA axis hormones in rats in cold stress model, received acupuncture treatment
Paul G. Jurov, Nadka I. Boyajieva, Valentin Lozanov, Vanio I. Mitev
 18. Elaboration of the experimental model for researching the mechanism of curibule effect of acupuncture in depression cases
Paul G. Jurov, Nadka I. Boyajieva

ФАРМАКОИКОНОМИКА

19. Reference values versus tiered reimbursement. Which is the best approach in drug policy?
Toni Y. Vekov
20. Pharmacoeconomics and drug policies. results of application of price rebates and agreements on controlled access of patients in the management of public expenditures
Toni Y. Vekov
21. Adaptation of data in the transfer of pharmacoeconomic evaluations
Toni Y. Vekov
22. Impact of the generic competition on reference prices of cardiovascular medicines
Zornitsa E. Mitkova, Manoela M. Manova, Guenka I. Petrova
23. Drug related problems – the benefits from applying Pharmaceutical care in community pharmacy practice
Stanislava B. Yordanova, Valentina B. Petkova, Guenka I. Petrova, Krasimira Kalvacheva-Nesheva
24. Economic assessment of pharmacological and non-pharmacological treatment of Hodgkin's lymphoma
Mariya S. Kamusheva, Guenka I. Petrova
25. Pharmacotherapy cost analysis of in vitro fertilization – a case study
Boryana V. Benbassat, Guenka I. Petrova
26. National health insurance fund cost analysis for rare cancer diseases and orphan medicines
Albena T. Zlatareva, Georgi Tz. Momekov, Guenka I. Petrova
27. Drugs politics and pharmacology research in China,
Paul G. Jurov, Nadka I. Boyajieva

ЛЕКАРСТВЕНА ТОКСИКОЛОГИЯ

28. Xanthate metabolism by different monooxygenases and reactive oxygen species
Tsveta D. Stoyanova, Viliama Todorova, Stanislav G. Yanev
29. Acute intoxications with neuroleptics and antidepressants: survey
Marieta P. Georgieva, Galina A. Haralanova, Petko P. Marinov
30. PPAR γ agonists and liver steatosis: mode-of-action characterisation and *in silico* study
Antonia G. Diukendjieva, Merilin Al Sharif, Petko Alov, Ivanka M. Tsakovska, Ilza K. Pajeva
31. Risks of oral methotrexate administration in outpatients
Maria G. Ganeva, Tanya T. Gancheva, Ivan D. Baldaranov, Nataliya J. Kiriya, Evgenya H. Hristakieva
32. Toxicological characterization of silica nanomaterials as drug delivery systems *in vitro*
Virginia Tzankova, Cvetelina Gorinova, Borislav Tzankov, Magdalena Kondeva-Burdina, Krassimira Yoncheva
33. Toxicological study on effects of benzodiazepines and ethanol on reproduction of male and female rats
Miroslava G. Varadinova, Nadka I. Boyadjeva
34. Drugs classification during lactation periods
Dimitar T. Kehayov, Marieta P. Georgieva

ИМУНОФАРМАКОЛОГИЯ

35. Oral therapy with Lycopene can prevent human sperm DNA damage
Violeta S. Rilcheva, Nina P. Ayvazova, Danail I. Martinov, Emiliana I. Konova

ФАРМАКОЛОГИЯ НА ВЪЗПАЛЕНИЕТО И БОЛКАТА

36. Experimental study on the involvement of 5-HT₃ receptors in the mechanism of anti-inflammatory and antihyperalgesic effect of fluoxetine
Ilija D Kostadinov, Delian D Delev, Ivanka I Kostadinova, Marianna A Murdjeva
37. Influence of rosuvastatin on acute inflammation and TNF- α levels in rats
Maria T. Georgieva-Kotetarova, Ivanka I. Kostadinova, Mariana Murdjeva, Delian P. Delev, Ilija D. Kostadinov
38. Influence of naloxone and JTC-801 in the analgesic effects of β^2 -tryptophan modified hexapeptide analogs in rats
Adriana I. Bocheva, Hristina H. Nocheva
39. Effects of endogenous cannabinoids after 1 hour of immobilization: involvement of the opioid component of stress-induced analgesia.
Hristina Hr. Nocheva, Dimitar St. Kochev, Adriana Iv. Bocheva
40. Analgesic effects of some newly synthesized pyrrole derivatives in rats
Mimoza A. Tzvetkova, Hristina H. Nocheva, Adriana I. Bocheva
41. Effects of naloxone and second messengers on Tyr-Cav-MIF-1 and Tyr-Cit-MIF-1 analgesia after three models of stress
Radka K. Hadjoilova, Hristina H. Nocheva, Adriana I. Bocheva
42. Bone histomorphometry as determining method for evaluation of experimental osteoporosis
Lachezar K. Surchev, Slavina K. Surcheva, Mila V. Vlaskovska

ФИТОФАРМАКОЛОГИЯ

43. Ethanol extract from the heartwood of *Cotinus coggygria*, and its major bioactive phytochemical constituents fustin and sulfuretin modulate indomethacin-induced gastric ulcerogenesis in rats
Danail Pavlov, Miroslav Novaković, Miroslav Eftimov, Milka Jadrantin, Milka Nashar, Maria Tzaneva, Snežana Trifunović, Stefka Valcheva-Kuzmanova, Diana Ivanova
44. Resurrection plants (Review)
Ilin K. Kandilarov, Elisaveta G. Apostolova, Vesela Y. Kokova, Dimitar G. Penkov, Lyudmil P. Peychev
45. Antidepressant-like effect of *Aronia melanocarpa* fruit juice applied subchronically to rats
Miroslav Ts. Eftimov, Stefka V. Valcheva-Kuzmanova
46. Anxiolytic-like effect of *Aronia melanocarpa* fruit juice applied subchronically to rats
Miroslav Ts. Eftimov, Stefka V. Valcheva-Kuzmanova
47. Effects of ferulic acid on exploratory behavior and locomotor activity in rats
Stefka V. Valcheva-Kuzmanova, Antoaneta B. Georgieva, Stilian P. Belcheva, Roman E. Tashev
48. Effects of ferulic acid on learning and memory in rats
Antoaneta B. Georgieva, Stilian P. Belcheva, Roman E. Tashev, Stefka V. Valcheva-Kuzmanova
49. The uses of the aromatic oils in curing process of the bones- joints diseases
Paul Jurov

ФАРМАКОЛОГИЯ НА ЕНДОКРИННИТЕ ЗАБОЛЯВАНИЯ

50. Our experience in treatment of vulvovaginal candidiasis in girls with Type 1 diabetes
Stanimira M. Elkina, Chayka K. Petrova, Venetsiya T. Botsova, Valentina P. Popova
51. The challenges in therapy of brain oedema in children with diabetic ketoacidosis
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