

“the author of the unique technology” of cognitive modeling” Vetrov Anatoly Nikolaevich
www.vetrovan.(spb.)ru
RF, Saint-Petersburg city

THE DIVISIONS OF APPLIED
SCIENTIFIC RESEARCHES (AT THE MICROSCOPIC LEVEL)
OF “SEC "SFA CMT" OF "RA(M)S" N. A. ACAD. BURDENKO N.N.”

The structure of “The scientific-educational centre "System and financial analysis based on cognitive modeling technology” of "The Russian academy of (medical) sciences" named after academician Burdenko N.N.” (“SEC "SFA CMT" of "RA(M)S" n. a. acad. Burdenko N.N.” – “SEC”) as the first SEC in the structure of “SIO "ACNS”” (www.vetrovan.(spb.)ru) includes the various divisions of process of the carrying out of scientific researches:

- B. The applied scientific researches divisions of “SEC”**
for the system, financial and complex analysis at the micro-level in medicine – the 45 applied scientific researches sections (departments) (ASRS(DP)) on the 10 applied scientific researches directions (ASRD) of “SEC” are connected with the 27 ASRS(DP) on the 9 ASRD of “SIO "ACNS””, and also with ASRS(DP) on ASRD of “The Russian academy of (medical) sciences”.
- B.1. ASRD “Applications of preventive medicine” (“APPREVM”).
B.1.1. ASRS(DP) “Applications of hygiene” (“APHYG”) (*).
B.1.2. ASRS(DP) “Applications of disinfectology” (“APDIS”) (*).
B.1.3. ASRS(DP) “Applications of preventive epidemiology” (“APPREVEP”) (*).
B.1.4. ASRS(DP) “Applications of recreational medicine” (“APRECRM”) (*).
B.1.5. ASRS(DP) “Applications of sanitation” (“APSAN”) (*).
B.1.6. ASRS(DP) “Applications of public-health-service, medical labor safety, medical environment preservation and medical ecology of person” (“APPMLSEMP and MEP”) (*).
B.1.7. ASRS(DP) “Applications of medical-social expertise, medical-social rehabilitation and medical sociology” (“APM-SEM-SR and MS”) (*).
B.2. ASRD “Applications of clinical medicine” (“APCLINM”).
B.2.1. ASRS(DP) “Applications of obstetrics and gynecology (of the physiological and pathological processes in the organism of woman after the conception, pregnancy and childbirth)” (“APOB and GYN (PH and PPR in ORGWACPR and CH)”) (*).
B.2.2. ASRS(DP) “Applications of anesthesiology and resuscitation (of the methods of protecting of the organism against the surgery trauma)” (“APAN and RES (MPRORG ag SURGTR)”) (*).
B.2.3. ASRS(DP) “Applications of gastro-enterology (of the diseases of gastro-intestinal tract)” (“APGAST-ENT (DG-IT)”) (*).
B.2.4. ASRS(DP) “Applications of hematology and hema-transfusion (of the transfusion of blood)” (“APHEMAT and HEMA-TR (TB)”) (*).
B.2.5. ASRS(DP) “Applications of gerontology and geriatrics (of the diseases of aging and rejuvenation)” (“APGERONT and GERIATR (DAG and REJ)”) (*).
B.2.6. ASRS(DP) “Applications of dermatology and venereology (of the diseases of skin and venereal diseases)” (“APDERM and VEN (DS and VEND)”) (*).
B.2.7. ASRS(DP) “Applications of dietetics (of the diseases of improper nutrition)” (“APDIET (DIN)”) (*).

- B.2.8. ASRS(DP) “Applications of cardiology (of the diseases of the cardio-vascular system)” (“APCARD (DC-VS)”) (*).
- B.2.9. ASRS(DP) “Applications of radiation diagnostics and radiation therapy” (“APRDIANG and ROTHER”) (*).
- B.2.10. ASRS(DP) “Applications of neurology (of the diseases of the nervous system)” (“APNEUR (DNERVS)”) (*).
- B.2.11. ASRS(DP) “Applications of nephrology and urology (of the diseases of the (over)renal and sexual systems)” (“APNEPHR and UR (D(O)REN and SEXS)”) (*).
- B.2.12. ASRS(DP) “Applications of oncology (of the diseases of the new formations and tumors of the biological construct of organism)” (“APONC (DNFORM and TUMBCORG)”) (*).
- B.2.13. ASRS(DP) “Applications of laryngo-oto-rhinology or oto-rhino-laryngology (of the diseases of the ear, throat and nose)” (“APLAR or OTORIN (DETH and N)”) (*).
- B.2.14. ASRS(DP) “Applications of ophthalmology (of the diseases of the visual sensory system)” (“APOPHT (DVSS)”) (*).
- B.2.15. ASRS(DP) “Applications of pediatrics (of the diseases of the biological construct of organism of the children)” (“APPED (DBCORGCH)”) (*).
- B.2.16. ASRS(DP) “Applications of psychiatry and narcology (of the diseases of the psychical construct of the head brain)” (“APPS and NAR (DPCHB)”) (*).
- B.2.17. ASRS(DP) “Applications of pulmonology and phthisiology (of the diseases of the pulmonary and bronchial systems)” (“APPULM and PHTHIS (DP and BS)”) (*).
- B.2.18. ASRS(DP) “Applications of rheumatology (of the inflammatory and degenerative-dystrophic diseases of the joints, spine and the system diseases of connective tissue)” (“APRHEUM (I and D-DDJS and SDCT)”) (*).
- B.2.19. ASRS(DP) “Applications of dentistry (of the diseases of the cavity of mouth, jaws and their border areas of the face and neck)” (“APDENT (DCMJ and BAF and N)”) (*).
- B.2.20. ASRS(DP) “Applications of traumatology, orthopedics and prosthetics (of the diseases of skeletal-muscular system)” (“APTRORTH and PROSTH (DS-MS)”) (*).
- B.2.21. ASRS(DP) “Applications of therapy (of the relieving or eliminating of symptoms and manifestations of the disease or trauma)” (“APTHER (REL or ELIMS and MD or TR)”) (*).
- B.2.22. ASRS(DP) “Applications of endocrinology (of the diseases of the internal organs and the disorders of hormonal cycles)” (“APEND (DIO and DHC)”) (*).
- B.2.23. ASRS(DP) “Applications of epidemiology (of the infectious diseases)” (“APEPID (ID)”) (*).
- B.2.24. ASRS(DP) “Applications of surgery, cardio-vascular surgery, neuro-surgery, pediatric surgery, transplantology and artificial organs” (“APSURGC-VSURGN-SURGPSEGT and AO”) (*).
- B.3. ASRD “Applications of pharmacology and pharmaceuticals” (“APPHARMAC and PHARMAC”).
- B.3.1. ASRS(DP) “Applications of pharmacology, pharmaco-epidemiology, pharmacy, bio-chemical pharmacology, clinical pharmacology, molecular pharmacology, pharmaco-genomics and experimental pharmacology” (“APPHPH-EPPHB-CHPHCLPHMPH-G and EXPPH”) (*).
- B.4. ASRD “Applications of sports medicine” (“APSPM”).
- B.4.1. ASRS(DP) “Applications of medicine of competitions, sport and sports sciences” (“APMCSP and SPS”).
- B.5. ASRD “Applications of military medicine” (“APMILM”).
- B.5.1. ASRS(DP) “Applications of medicine and medical education in the armed forces” (“APM and NEDUC in AF”).

- B.6. ASRD “Applications of chemistry and chemical technologies in medicine” (“APCHEM and CHEMT in M”).
- B.6.1. ASRS(DP) “Applications of chemistry, chemical technology and chemical industry in medicine” (“APCHEMCHEMT and CHEMIND in M”).
- B.7. ASRD “Applications of biology, physiology and bio-physiological technologies in medicine” (“APBIOLPHYS and B-PHYST in M”).
- B.7.1. ASRS(DP) “Applications of general biology” (“APGENB”).
- B.7.2. ASRS(DP) “Applications of physical-chemical bio-technology” (“APPHYS-CHEMB-T”)(*).
- B.7.3. ASRS(DP) “Applications of physiology, bio-physiology and private physiology (of sensory systems)” (“APPHYSB-PHYS and PRPHYS (SS)”)(*).
- B.8. ASRD “Applications of mathematics and mathematical technologies in medicine” (“APMATH and MATHT in M”).
- B.8.1. ASRS(DP) “Applications of medical mathematics and the complex system analysis based on the cognitive modeling technology” (“APMMATH and DSAB on CMT”)(*).
- B.8.2. ASRS(DP) “Applications of medical cybernetics and (cognitive) informatics” (“APMCYB and (CONG)INF”)(*).
- B.9. ASRD “Applications of nano-technologies and information technologies in medicine” (“APNANO-T and INFT in M”).
- B.9.1. ASRS(DP) “Applications of medical electronics, radio-technics and connection” (“APMELR-T and CONN”).
- B.9.2. ASRS(DP) “Applications of medical automatics, computing technics and the systems analysis based on the cognitive modeling technology” (“APMAUTCT and SAB on CMT”)(*).
- B.9.3. ASRS(DP) “Applications of nano-technologies for the mechanical-engineering, instrument-making, polygraphy, reprography and photo-cinema-technics, light and food industry, transport, architecture and construction in medicine” (“APNANO-T for M-EI-MPRPH-S-TL and FITA and C in M”)(*).
- B.10. ASRD “Applications of social-science and technologies of social sciences in medicine” (“APSOC-S and TSOCS in M”).
- B.10.1. ASRS(DP) “Applications of social sciences, philosophy, science-study, politics and political sciences, sociology, (cognitive) psychology, state, law and legal sciences, patent business, invention and rationalization in medicine” (“APSOCSPHS-STP and PSS(C)PSL and JSPBI and R in M”)(*).
- B.10.2. ASRS(DP) “Applications of economics and economic sciences, organization, management, statistics and the financial analysis based on the cognitive modeling technology in medicine” (“APECON and ECONSOMS and FAB on CMT in M”)(*).
- “SEC "SFA CMT" of "RA(M)S" n. a. acad. Burdenko N.N.” allows to develop the main and derivative scientific results in medicine, in particular the algorithms, methods and technologies of the system, financial and complex analysis for the increase of efficiency of the diverse (medical) technologies of the single, serial and mass (non)material production of the one or several assortment groups and nomenclature units of the goods, works and services to the end user of the social-economic formation based on the cognitive modeling technology and the cognitive models.