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THE APPLIED SCIENTIFIC RESEARCHES DIRECTION

“APPLICATIONS OF CLINICAL MEDICINE” (“APCLINM”)

OF “SEC "SFA CMT" OF "RA(M)S" N. A. ACAD. BURDENKO N.N.” (PART 4)

The developed “The applied scientific researches direction “Applications of clinical medicine”” (“APCLINM”) treats to the applied scientific researches divisions of “The scientific-educational centre “System and financial analysis based on cognitive modeling technology” of “RA(M)S” named after acad. 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 “Academy of cognitive natural sciences”” (“SIO “ACNS””) as the add. component of the system of science and education of the modern country for the creation, distribution and use of the main and derivative scientific results of the cognitive modeling technology (CMT) (www.vetrovan.(spb.)ru) [see the applied scientific researches directions and departments of SEC]:

- 1) it is executed by the principle of “administrative-economy submission”;
- 2) works in the several main directions, which allow to provide the development of the applied main and derivative scientific results (my second report on SRW from 2006-2008(9) y. was submitted to “SPbSETU “LETI”” and “The Government of RF” for the translation, carrying out of int. action and receiving of “The Nobel prize”);
- 3) includes the several various main divisions: XIII. “The applied scientific researches department “Theory of laryngo-oto-rhinology or oto-rhino-laryngology (of the diseases of the ear, throat and nose)”” (“APLAR or OTORIN (DETH and N)”) (*) [*the applied scientific researches in area “Applications of laryngo-oto-rhinology (LOR) or oto-rhino-laryngology”* – the section of the clinical medicine and medical specialty (specialization in medicine), which specializes on the diagnostics and treatment of pathologies of the ear, throat, nose, and also the head and neck, usage of the theoretical bases of oto-rhino-laryngology, usage of theory of occurrence, treatment and prevention of the diseases of the ear, nose and throat, usage of theory of occurrence, treatment and prevention of the diseases of the pharynx, larynx, trachea and bordering areas with them, usage of theory of otology, usage of theory of rhinology, usage of theory of laryngology, usage of theory of the anatomical proximity and functional linkage of organs, usage of theory of the interdependence of diseases, usage of theory of generality of the methods of research, usage of theory of audiology, usage of theory of phoniatriy, usage of theory of physiology and pathology of voice-formation, usage of theory of warning and treatment of the disorders of voice, usage of theory of otiatrics, usage of theory of treatment of the pathologies of ear and usage of the cognitive modeling technology in the applications of laryngo-oto-rhinology (LOR) or oto-rhino-laryngology].

XIV. "The applied scientific researches department "Applications of ophthalmology (of the diseases of the visual sensory system)" ("APOPHT (DVSS))" (*)
[the applied scientific researches in area " Applications of ophthalmology " – studies the diseases of eye ball, its appendages (eyelids, lacrimal organs and mucous membrane), the bone structures and fiber, surrounding the eye, usage of the theoretical bases of ophthalmology, usage of theory of eye, usage of theory of the anatomy of eye, usage of theory of the physiology of eye, usage of theory of the diseases of eye, usage of theory of the methods of treatment and preventing of the eye diseases and usage of the cognitive modeling technology in the applications of ophthalmology].

XV. "The applied scientific researches department "Applications of pediatrics (of the diseases of the biological construct of organism of the children)" ("APPED (DBCORGCH))" (*)
[the applied scientific researches in area " Applications of pediatrics " – the scientific area about the distinctive features, dispatches and diseases of the child's organism and based on those features of the preservation of health and the treatment of diseases at the children, the main task of which is the preserving or returning (in case of illness) of the condition of health to the child, allowing him to maximally fully realize his innate potential of life, usage of the theoretical bases of pediatrics, usage of theory of the distinctive features of the child's organism, usage of theory of the diseases of the child's organism, usage of theory of the features of preserving of health and the treating of diseases at the children and usage of the cognitive modeling technology in the applications of pediatrics].

XVI. "The applied scientific researches department "Applications of psychiatry and narcology (of the diseases of the psychical construct of the head brain)" ("APPS and NAR (DPCHB))" (*)
[the applied scientific researches in area " Applications of psychiatry " – studies the mental diseases, the causes of their occurrence, the methods of diagnostics, prevention and treatment, usage of the theoretical bases of psychiatry, usage of theory of the methodology of psychiatry, usage of theory of methods of the diagnostics of diseases of mentality, usage of theory of prevention and treatment of the diseases of mentality, usage of theory of state and accredited non-state psychiatric establishments and usage of the cognitive modeling technology in the applications of psychiatry;
the applied scientific researches in area " Applications of narcology " – the section of the clinical medicine, studying the manifestations of chronic alcoholism, drug-addiction and substance-abuse, developing the methods of their prevention and treatment, usage of the theoretical bases of drug-addiction, usage of theory of alcoholism, usage of theory of drug-addiction, usage of theory of substance-abuse, usage of theory of the classical and modern methods of prevention and treatment of the alcohol, drug and toxicological addictions and usage of the cognitive modeling technology in the applications of drug-addiction].

XVII. “The applied scientific researches department
"Applications of pulmonology and phthisiology (of the diseases of the pulmonary
and bronchial systems)"” (“APPULM and PHTHIS (DP and BS)”) (*)
[the applied scientific researches in area
“ Applications of pulmonology ” –
the section of the clinical medicine, engaging in the studying, diagnostics and treatment
of the diseases of the lungs and respiratory tract, usage of the theoretical bases of pulmonology,
usage of theory of pulmonology as the thoracic medicine or the respiratory medicine,
usage of theory of the linkage of pulmonology with resuscitation and intensive therapy,
usage of theory of artificial (mechanical) ventilation of lungs,
usage of theory of operations on the respiratory ways,
usage of theory of diseases of the organs of rib cage and the methods of their treatment,
usage of theory of thoracic surgery, usage of theory of resuscitation and intensive therapy
and usage of the cognitive modeling technology in the applications of pulmonology;
the applied scientific researches in area
“ Applications of phthisiology ” –
the section of the clinical medicine, studying the causes of occurrence,
the regularities of spread and the mechanisms of development of the tuberculosis,
caused by it the pathological processes in the organism of person
and the methods of its prevention, diagnostics, treatment and rehabilitation
of the patients of tuberculosis, usage of the theoretical bases of phthisiology,
usage of theory of the anti-tubercular dispensaries,
tuberculosis rooms, hospitals and sanatoriums,
usage of theory of diagnostics, treatment, dispensary
observation and prevention of the tuberculosis,
usage of theory of consulting and methodical
help to the other medical specialists,
usage of theory of early detection and prevention of the tuberculosis,
usage of theory of application of the conservative treatment and minimally-invasive procedures,
usage of theory of phthisio-surgery, usage of theory of thoracic surgery,
usage of theory of osseo-articular tuberculosis and orthopedics,
usage of theory of treatment of the tuberculosis of uro-genital organs,
usage of theory of phthisiatric urology and gynecology,
usage of theory of treatment of the tuberculosis of eye and phthisiatric ophthalmology
and usage of the cognitive modeling technology in the applications of phthisiatrics].

The applied scientific researches directions and departments of SEC
allow to develop the main and derivative scientific results of CMT.

Page 3 from 3 pages

“The Nobel committee” (The Kingdom of Norway and The Kingdom of Sweden)
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