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THE FUNDAMENTAL SCIENTIFIC RESEARCHES BRANCH
“THEORY OF CLINICAL MEDICINE” (“TCLINM”)
OF “SEC "SFA CMT" OF "RA(M)S" N. A. ACAD. BURDENKO N.N.” (PART 5)
The developed “The fundamental scientific researches branch
" Theory of clinical medicine " ” (“ T C L I N M ”)
treats to the fundamental 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 fundamental scientific researches branches 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 fundamental 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:
XVIII. “The fundamental scientific researches department
"Theory of rheumatology (of the inflammatory and degenerative-dystrophic
diseases of the joints, spine and the system diseases
of connective tissue)"” (“TRHEUM (I and D-DDJS and SDCT)”) (*)
[*the fundamental scientific researches in the area
“ T h e o r e t i c a l r h e u m a t o l o g y ”* –
the specialization of the internal clinical medicine, which is engaged in the diagnostics
and treatment of the rheumatic diseases, the theoretical bases of rheumatology,
theory of the inflammatory and degenerative-dystrophic diseases of the joints
and the system diseases of the connective tissue, theory of collagenosises,
theory of the differential diagnostics of the diseases of rheumatology,
theory of traumatology-orthopaedics and the purulent-septic surgery,
theory of osteomyelitis, theory of myositis,
theory of gonorrhoea arthritis, theory of aseptic arthritis,
theory of endocrinology at the syndrome of Charcot,
mellitus diabetes and hyper-calcemic crisis,
theory of nephrology at the nephrogenic gout,
nephrogenic osteomalacia and nephrogenic osteoporosis,
theory of hematology, theory of cross differential diagnostics,
theory of diseases of the blood at the acute lymphoblastic
leukemia and the juvenile rheumatoid arthritis,
theory of cardiology at the rheumatic endocarditis,
theory of vascular and phlebological surgery,
theory of the sports medicine at the damage of muscles
and the musculo-skeletal apparatus at the athletes
and the cognitive modeling technology in the theoretical rheumatology].

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“The Nobel committee” (The Kingdom of Norway and The Kingdom of Sweden)
(it was submitted to “SIO "ACNS"” on the int. conf. “APMS and T: CA” on the 01st-31st of March 2020 y.)

XIX. “The fundamental scientific researches department "Theory of dentistry (of the diseases of the cavity of mouth, jaws and their border areas of the face and neck)” (“TDENT (DCMJ and BAF and N)”) (*) [*the fundamental scientific researches in the area “Theoretical dentistry”* – the section of the clinical medicine, which is engaged in the studying of the teeth, their structure and functioning, their diseases, the methods of their prevention and treatment, and also the diseases of oral cavity, jaws and border areas of the face and neck, the theoretical bases of dentistry, theory of non-carious lesions of teeth, theory of the hypoplasia of enamel, theory of the fluorosis of enamel, theory of the wedge-shaped defect of tooth, theory of the pathological erasure of tooth, theory of the necrosis of the hard tissues of tooth, theory of the hyperesthesia of tooth, theory of the erosion of enamel of the tooth, theory of the acute and chronic injuries of tooth, theory of caries and its complications, theory of pulpitis and its complications, theory of periodontitis and its complications, theory of periostitis and its complications, theory of the diseases of the oral mucosa (stomatitises), theory of the traumatic stomatitises, theory of the symptomatic stomatitises, theory of the infectious stomatitises, theory of the specific stomatitises, theory of the catharal stomatitis, theory of the ulcerative stomatitis, theory of the acute and chronic aphthous stomatitis, theory of heilitis, theory of glossitis and the cognitive modeling technology in the theoretical dentistry].

XX. “The fundamental scientific researches department "Theory of traumatology, orthopedics and prosthetics (of the diseases of skeletal-muscular system)” (“TTRORTH and PROSTH (DS-MS)”) (*) [*the fundamental scientific researches in the area “Theoretical traumatology”* – the section of the clinical medicine, studying the impact on the organism of person of the various traumatic effects, the consequences of traumas and the methods of their treatment, the theoretical bases of traumatology, theory of differential diagnostics in the area of rheumatology and traumatology, theory of traumatic orthopedics and neuro-surgery, theory of the traumatic and post-traumatic conditions of the nervous system, theory of septic surgery at the tetanus, sepsis, osteomyelitis and phlegmons, theory of purulent and burn surgery at the endogenous and exogenous burns, theory of sports medicine, theory of vascular surgery, theory of phlebology, theory of infectology at the tuberculosis and syphilis of the musculo-skeletal system, theory of toxicology at the toxic arthropathies, theory of hematology at the hema-arthroses, auto-fractures and pathological fractures, theory of traumatic oncology, theory of traumatic bio-physics, theory of traumatic bio-cybernetics, theory of traumatic military medicine and the cognitive modeling technology in the theoretical traumatology;

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the fundamental scientific researches in the area “Theoretical orthopedics” – the section of the clinical medicine and the section of surgery, studying the prevention, diagnostics and treatment of deformations and the disorders of functions of the musculo-skeletal system, which are the result of congenital defects, malformations, the consequences of traumas or diseases, the theoretical bases of orthopedics, theory of injuries of the musculo-skeletal apparatus (bones, joints, muscles, ligaments and tendons), theory of bio-mechanics of the musculo-skeletal apparatus, theory of surgery of the spinal column, theory of arthroscopic surgery, theory of endoprosthesis of the joints, theory of bone pathologies and the cognitive modeling technology in the theoretical orthopedics;

the fundamental scientific researches in the area “Theoretical prosthetics” – the complex medical-technical discipline, which is engaged in the manufacture and application of prostheses and orthoses (corsets, bands, apparatuses, special shoes and steels) for the restore of the lost forms and functions of the musculo-skeletal system, the theoretical bases of prosthetics, theory of replacement of the lost or irreversibly damaged parts of body by the artificial substitutes, theory of the process of social-labor rehabilitation of the person, theory of diseases of the musculo-skeletal apparatus and the cognitive modeling technology in the theoretical prosthetics].

XXI. “The fundamental scientific researches department “Theory of therapy (of the relieving or eliminating of symptoms and manifestations of the disease or trauma)” (“THER (REL or ELIMS and MD or TR)” (*)

the fundamental scientific researches in the area “Theoretical therapy” – the section of the clinical medicine, studying the internal diseases, their prevention and treatment, the theoretical bases of therapy, theory of therapeutic approaches, theory of etiotropic therapy (anti-bacterial therapy at the infectious diseases), theory of pathogenetic therapy (the replacement therapy by the insulin at the mellitus diabetes in the relation with the insufficient production of this hormone by the pancreatic gland and the inability to restore this function at the modern level of development of medicine), theory of symptomatic (palliative) therapy (the application of analgesics at the pain, the anti-pyretic drugs at “the high temperature”), theory of symptomatic therapy at the impossibility of radical cure (the terminal stage of oncological disease), theory of the medical-social actions (the palliative help), theory of conservative treatment, theory of conservative (non-surgical) treatment by the chemical, physical and biological methods (pharmaco-therapy, chemo-therapy, phyto-therapy, immune-therapy and other methods), theory of the physical conservative methods of treatment (physio-therapy, massage, physio-therapy exercises and hydro-therapy), theory of the physical methods of treatment by means of the electro-magnetic and sound radiations (radio-therapy, UHF-therapy, magneto-therapy, medicinal drug electro-phoresis and lasero-therapy), theory of surgical treatment (surgical therapy) and the cognitive modeling technology in the theoretical therapy].

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