

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

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 1)

The developed “The fundamental scientific researches branch “Theory of clinical medicine”” (“TCLINM”) 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:
 - I. “The fundamental scientific researches department “Theory of obstetrics and gynecology (of the physiological and pathological processes in the organism of woman after the conception, pregnancy and childbirth)”” (“TOB and GYN (PH and PPR in ORGWACPR and CH)”) (*) [*the fundamental scientific researches in the area “Theoretical obstetrics”* – the clinical discipline, which studies the physiological and pathological processes, occurring in the organism of women in the connection with the conception and pregnancy, in childbirth and postpartum, and also develops the methods of childbirth-delivery, the prevention and treatment of complications of pregnancy and childbirth, the diseases of fetal and newborn, the theoretical bases of obstetrics, theory of physiological and pathological processes in the organism of a woman in the connection with the conception and pregnancy, theory of the methods of childbirth-delivery, prevention and treatment of complications of pregnancy and childbirth, theory of disease of fetal and newborn and the cognitive modeling technology in the theoretical obstetrics; *the fundamental scientific researches in the area “Theoretical gynecology”* – the branch of the clinical medicine, studying the diseases of the female reproductive system, the theoretical bases of gynecology and the cognitive modeling technology in the theoretical gynecology].

II. "The fundamental scientific researches department
 "Theory of anesthesiology and resuscitation
 (of the methods of protecting of the organism against the surgery trauma)"
 ("TAN and RES (MPRORG ag SURGTR)") (*)
 [*the fundamental scientific researches in the area
 "Theoretical anesthesiology"* –
 the section of the clinical medicine, carrying out the studying
 of means and methods of the providing of anesthesia,
 that is the loss of sensitivity, including the pain
 at the various acute pain syndromes, shock conditions, traumas
 and surgical interventions, the theoretical bases of anesthesiology,
 theory of means and methods of the providing of anesthesia,
 theory of acute pain syndromes, theory of shock conditions,
 theory of traumas, theory of surgical interventions
 and the cognitive modeling technology in the theoretical anesthesiology;
*the fundamental scientific researches in the area
 "Theoretical resuscitation (intensive therapy)"* –
 the clinical discipline, the scientific findings
 of whose are used at the resuscitation in the clinic,
 and also the science, studying the regularities of death and the revitalization of organism
 with the purpose of developing of the most effective methods of prevention and restoration
 of the fading or just extinct life functions of the organism,
 the theoretical bases of resuscitation, theory of resuscitation,
 theory of the regularities of death and the revitalization of organism,
 theory of pathological-functional processes during the dying,
 theory of terminal conditions, theory of the restoration of life functions
 and the cognitive modeling technology in the theoretical resuscitation].

III. "The fundamental scientific researches department
 "Theory of gastro-enterology (of the diseases of gastro-
 intestinal tract)" ("TGAST-ENT (DG-IT)") (*)
 [*the fundamental scientific researches in the area
 "Theoretical gastro-enterology"* –
 the section of the clinical medicine, studying the gastro-intestinal tract of the person,
 its structure and functioning, its diseases and methods of their treatment,
 the theoretical bases of gastro-enterology,
 theory of gastro-intestinal tract of the person,
 theory of the structure of gastro-intestinal tract of the person,
 theory of the functioning of gastro-intestinal tract of the person,
 theory of the structure, functioning and diseases of the liver,
 theory of the structure, functioning and diseases of the gall bladder,
 theory of the structure, functioning and diseases of the bile tract,
 theory of the diseases of gastro-intestinal tract,
 theory of the methods of treating of the gastro-intestinal tract
 and the cognitive modeling technology in the theoretical gastro-enterology].

IV. "The fundamental scientific researches department "Theory of hematology and hema-transfusion (of the transfusion of blood)" ("THEMAT and HEMA-TR (TB))" (*)
[the fundamental scientific researches in the area "Theoretical hematology" –
the section of the clinical medicine, studying the blood, the organs of blood-formation and the diseases of blood, the theoretical bases of hematology, theory of the etiology of diseases of the blood-circulatory system, theory of the diagnosis of diseases of the blood-circulatory system, theory of the treatment of diseases of the blood-circulatory system, theory of the prediction and prevention of diseases of the blood-circulatory system, theory of the production of blood and its components, theory of the cells of blood, theory of hemoglobin, theory of the proteins of blood, theory of the mechanisms of coagulation (the clotting of blood), theory of bio-medicine of the blood, theory of oncology of the blood and the cognitive modeling technology in the theoretical hematology;
the fundamental scientific researches in the area "Theoretical hema-transfusion" –
the section of the clinical medicine, studying the transfusion of blood, the particular case of transfusion, at which the biological liquid poured from the donor to the recipient is the blood or its components, the theoretical bases of hema-transfusion, theory of the transfusion of blood, theory of transfusion, the theoretical bases of the technology of the transfusion of blood, theory of the compatibility of blood and the cognitive modeling technology in the theoretical hema-transfusion].

V. "The fundamental scientific researches department "Theory of gerontology and geriatrics (of the diseases of aging and rejuvenation)" ("TGERONT and GERIATR (DAG and REJ))" (*)
[the fundamental scientific researches in the area "Theoretical gerontology and geriatrics" –
studies the processes of aging of the living organisms, including the aging of the biological construct of the organism of person, the theoretical bases of gerontology, theory of the biological causes of the aging of person, theory of the social causes of the aging of person, theory of the psychological causes of the aging of person, theory of rejuvenation, theory of geriatrics and the causes of diseases of the process of aging, theory of gero-hygiene, theory of geronto-psychology and the cognitive modeling technology in the theoretical gerontology and geriatrics].

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