

“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 3)

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:
IX. “The fundamental scientific researches department
"Theory of radiation diagnostics and radiation therapy”” (“TRDIANG and ROTHER”)(*
[*the fundamental scientific researches in the area
“ Theoretical radiation diagnostics ”* –
the direction of the modern clinical medicine, which is engaged
in the ultra-sound researches, computed tomography,
the Roentgen research without contrasting,
the Roentgen research with contrast,
the magnetic-resonance tomography and magnetic-nuclear tomography,
the theoretical bases of radiation diagnostics, theory of research of the liver,
theory of research of the pancreatic cell and bile ducts,
theory of diagnostics of the condition of the esophagus,
theory of diagnostics of the hernias of the esophageal orifice of the diaphragm, tumors,
diverticulas, strictures, the varicose expansion of veins and foreign bodies,
theory of research of the gastric and duodenum,
theory of diagnostics of ulcers, tumors, strictures and obturations,
theory of control of the results of operative interventions,
theory of diagnostics of the tumors of intestine,
theory of diagnostics of the inflammatory diseases,
theory of diagnostics of the causes of obstruction of gut, strictures and obstruction
and the cognitive modeling technology in the theoretical radiation diagnostics;

the fundamental scientific researches in the area “ Theoretical radiation therapy (radio-therapy, radiation therapy or radiation oncology) ” – the modern direction in the clinical medicine, which is engaged in the treatment of malignant tumors by the ionizing radiation (the Roentgen, gamma-radiation, beta-radiation, neutron radiation or the beams of elementary particles from the medical accelerator of charged particles), the theoretical bases of radiation therapy, theory of radio-therapy, theory of radiation therapy, theory of radiation oncology, theory of ionizing radiation in medicine, theory of Roentgen radiation in medicine, theory of gamma-radiation in medicine, theory of beta-radiation in medicine, theory of neutron - radiation in medicine, theory of the beams of charged particle in medicine, theory of the medical accelerator of charged particles, theory of medical equipment for the radiation therapy and the cognitive modeling technology in the theoretical radiation therapy].

X. “The fundamental scientific researches department “Theory of neurology (of the diseases of the nervous system)”” (“TNEUR (DNERVS)”)(*)

[the fundamental scientific researches in the area “ Theoretical neurology ” – the group of medical-biological disciplines, which study the structure and functions of the nervous system, the regularities of development and possible pathologies, the causes of diseases, the methods of their prevention and treatment, the theoretical bases of neurology, theory of the occurrence of diseases of the central nervous system, theory of the occurrence of diseases of the peripheral nervous system, theory of the mechanisms of development, symptomatology and the possible ways of diagnostics, treatment and prevention of the diseases of the nervous system, theory of clinical neurology and neuropathology and the cognitive modeling technology in the theoretical neurology].

XI. "The fundamental scientific researches department "Theory of nephrology and urology (of the diseases of the (over)renal and sexual systems)"" ("TNEPHR and UR (D(O)REN and SEXS)") (*) [*the fundamental scientific researches in the area "Theoretical nephrology"* – the area of the clinical medicine, studying the functions and diseases of kidneys, the theoretical bases of nephrology, theory of differential diagnostics, theory of nephron-surgery, theory of nephro-urology and the cognitive modeling technology in the theoretical nephrology; *the fundamental scientific researches in the area "Theoretical urology"* – the area of the clinical medicine, studying the etiology, pathogenesis, the diagnostics of the diseases of organs of the urinary system, the male sexual system, the diseases of adrenal glands and other pathological processes in the retroperitoneal space and developing the methods of their treatment and prevention, the theoretical bases of urology, theory of the urinary system, theory of the male sexual system, theory of the disease of adrenal glands, theory of pathological processes in the retroperitoneal space, theory of the methods of (surgical) treatment and prevention of diseases and the cognitive modeling technology in the theoretical urology].

XII. "The fundamental scientific researches department "Theory of oncology (of the diseases of the new formations and tumors of the biological construct of organism)"" ("TONC (DNFORM and TUMBCORG)") (*) [*the fundamental scientific researches in the area "Theoretical oncology"* – the section of the modern clinical medicine, studying the benign and malignant tumors, the mechanisms and regularities of their occurrence and development, the methods of their prevention, diagnostics and treatment, the theoretical bases of oncology, theory of oncological diseases, theory of system oncological diseases, theory of the forms and variants of treatment of cancer, theory of the occurrence of cancer cells and micro-tumors, theory of functioning of the systems of anti-tumor immunity and the cognitive modeling technology in the theoretical oncology].

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