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## PROBLEMS OF DEFENSE OF RUSSIAN CITIZENS INTERESTS IN PARTNERSHIP OF INSURANCE COMPANIES WITH HEALTH CARE INSTITUTIONS

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**Objective:** In the period of 1999-2001 to develop and to implement a target insurance program "Safe maternity, strong child" based on the study of social and economic factors, sickness rate statistics in obstetrics, gynecology and paediatrics, health care situation in Saint-Petersburg under new conditions of market economy.

To develop an efficient cooperation to protect interests of citizens and to provide the best service in obstetrics, gynecology and paediatrics with health care institutions network.

**Methods:** Methods of target program development are based on macroenvironment monitoring. Macroenvironment is a combination of demographic, economical, natural, scientific, technical, medical, ecological, political, cultural and other factors, defining the key indices of sickness rate in obstetrics, gynecology and paediatrics. Information sources used include: state, branch, business statistics and materials; special literature and mass media advertisements. Monitoring was carried out from 1994 to 1999.

**Results:** 1. Objective indices of sickness rate among the women of child-bearing age and newborns, maternal and infant mortality, negative trends of decreasing population reproductivity in Saint-Petersburg have been obtained. 2. The target program "Safe maternity, strong child" has been developed and implemented into practice. A portfolio of insurance medical programs, providing women, newborns and the children with qualified medical service during all the stages of preparation to and execution of child-bearing and of the child health protection has been created (now the Company has 147 different programs in obstetrics, gynecology and paediatrics). 3. Qualitative and quantitative characteristics - expected results of Program' implementation have been defined. 4. New relationship with Russian and international subjects of insurance and medical service market have been established.

**Conclusions:** Despite unfavorable economic situation in Russia restricting possibilities of Program implementation in Saint Petersburg, the Insurance Company "Virilis" is planning to obtain concrete indices: 1. 20% decrease of complications of mother and child health during child-bearing among Insured persons (as compared with non-insured). 2. 30% involvement in health insurance (risk of complications) among women in child-bearing and abortion in Saint-Petersburg. 3. Providing with voluntary health insurance in paediatric services: 1% of Saint-Petersburg children, in clinical examination and prophylaxis: 5% of women in child-bearing age. 4. Creating an efficient system of information and popularization of healthy way of life and family planning, involving 20% of Saint-Petersburg population in child-bearing age. Expansion and activation of partnership with Russian and foreign health care institutions and insurance companies are seen by IC "Virilis" as an important feature of further development of insurance medical services in obstetrics, gynecology and paediatrics.

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## NEW APPROACHES TO IMMUNOMODULATING THERAPY IN PATIENTS WITH PELVIC ENDOMETRIOSIS

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**Objectives:** To evaluate efficiency of immunomodulating therapy in patients with pelvic endometriosis.

**Methods:** 256 patients (21-44 yrs.) with pelvic endometriosis were examined. Diagnosis was confirmed by both laparoscopic and histological methods. Endometriosis was staged according to the revised AFS classification. Control group consisted of 56 healthy fertile women.

**Results:** Natural killer (NK-) cells activity in patients with I stage endometriosis was less than in the control group by 24.8%, with II stage by 30%, with III stage by 34.6%, with IV stage by 46.3%. When analyzing interferon status parameters a reliable decrease of leukocytes ability to produce a/b and g interferons was found. A new drug, "Cycloferonum" (a/b and g interferons inductor), was used as immunomodulator in complex therapy of endometriosis. After the treatment all patients have increased cytotoxic NK-cells activity up to normal parameters. The leukocytes ability to produce a, b, g - interferons also increased except patients with IV stage of endometriosis. Positive changes of immunological parameters correlated with decreased of endometriosis spreading documented by control laparoscopy. A course of treatment using recombinant a2 -interferon was performed in the absence of potential peripheral blood leukocytes ability to produce a/b- interferons.

**Conclusions:** Heavy disorders of immune system components regulating the processes of endometrium cells proliferation were revealed in patients with endometriosis. The use of interferons inducers is an important component in combined treatment of endometriosis.