

## Summary in English

My thesis is focused on integration of diagnostic and therapeutic methods of clinical psychology into the concept of contemporary cardiology. Modern medicine consider not only somatic aspects of patient's illness, but also the aspects of personalities' differences and needs. Psychologist applies the knowledge of psychological theories and psychophysiological mechanisms into the field of clinical diagnostic and treatment thinking about the individual patient. (A) Psychologic treatment of in-patients involves: (1) Crisis intervention (KI), i.e. treatment of the patients with urgent psychological difficulties. Crisis intervention presents the most indicated type of intervention in in-patient's psychological treatment. (2) Pre-operative psychological care before recent cardiothoracic surgical intervention reduces patient's distress in pre-operational and post-operational period. (3) Individual approach to problematic personalities can significantly improve cooperation with medical staff. (B) Specific psychological problems of cardiac out-patients involves: (1) Depressive disorder develops after the frustrating exposure of medical problems. (2) Cardiologists are the most visited professionals by the patients suffering from panic anxiety disorder. The reason is, that the panic anxiety symptoms imitate the cardiovascular symptoms. (3) Individual psychological care is useful for the patients with recently implanted pacemaker (KS) or implantable defibrillator (ICD). (4) Psychological analysis uncovers unconscious mental processes producing internal excessive stress. (5) Psychodiagnostic analysis is useful differential-diagnostic method for the patients suffering from unclear etiology states of collapse. (5) Individual psychotherapy is indicated for the patients with physical symptoms related to neurotic, reactive and personality disorders. In this case the maladaptive stress experience is accompanied by pathophysiological body reactions. (6) Psychologist expands the possibilities of treatment the patient who suffer from vascular cognitive and psychic disorder. Neuropsychological methods evaluate the cognitive functions in detail.