

sex (in these students) as well as phlegmonous inflammation and angular fractures in 25 students and 25 patients of maxillar-facial surgery department in Poltava Regional Hospital.

As a whole, men possessed bigger procoagulative and less anticoagulative and fibrinolytic activity on saliva, so, had stronger coagulation, women – on the contrary, were suffering more from bleedings with bigger profibrinolytic and less procoagulative activity of saliva. Phlegmons and angular fractures were distributed in men more on the left, in women – on the right. It was corresponded to dominant extremity assessment in people: so, left-sided pathological processes were characteristic for men in the bigger extent, and right-sided – for women. Orthognathic, deep and opened occlusions were determined only in men. Orthogeny and crossed occlusion were established more in women. Biprogathism and opistognathy were detected in both sexes. Prognathic occlusion was diagnosed mainly in men. Progeny was a feature of women.

damaged or destruc

## WHY SINISTRALITY STUDY IS OF SO GREAT IMPORTANCE AND BIG DISTRIBUTION NOWADAYS?

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Asymmetry represents important adaptation factor for changeable or non-favorable environmental conditions. Sinistrality belongs to such a phenomenon rate and importance of which got increased during latest years (sinisters amount together with ambidexters is approximately 20%). Interest to sinistrality as a phenomenon grows in many branches of theoretical and practical medicine. Only nowadays there is a real beginning for special devices usage for left-handers in dentistry in part in Turkey and in Belgorod (Russia).

It is clear now that sinisters have their own diseases and states, other diseases have peculiarities in them (tendency to recidivating, harder and atypical course as well as lethal end bigger percentage). According to English-languaged literature, "left" diseases comprise homosexuality, hypersexuality, virilism, depressive shizophreny forms, neuroses, enforced anxiety, stresses difficult endurance, enuresis, brain-epi-activity, suprarenal glands acute insufficiency (Waterhaus-Friderixen's syndrome), ovaries polycystosis (syndrome of Stein-Levental), dyschronoses (in part, at time and living zone change), sleeping and dreams disorders, oligophreny, boarder states, aphasies, apraxies, neuroses.

So-called "syndrome of sinister" becomes be present more and more in scientific literature and includes physiological conditions which often are considered to be pathological ones that creates much problems to such people. In fact, these states can be classified as boarder ones and can be explained by human physiological and psycho-physiological peculiarities. As it has been mentioned above, sinisters and dexters possess some distinguishing features in pathological and boarder conditions course. Neuroses (which can be assessed as boarder state because sometimes they are temporary and appear because of stress or other unfavorable condition in a human being life) can give good example of this. Sinisters possess fear neurosis and hystery while dexters – the obsessive one and neurastheny. Right-hemisphered depression (in sinisters) is gloomy – the patient can sit without movements during hours, his eyesight is directed into one point. Left-hemisphered (in dexters) depression is an anxious one: the patient marches through hospital corridor with suspected sight to every met person, hanging onto the doctor as his latest saving. All thoughts of the right-hemisphered patient are about the past – he is faulty in everything, he did not live as it was necessary, he was making mistakes in everything. In comparison to the thoughts of the dexter which all are about the future – something will happen and it will be not good.

As a whole, common feature of pathological processes in all sinisters is in following: disorders both of sensory and abstract cognition, psycho-sensory and psycho-motor processes are represented independently on injury side. These processes are disturbed separately in dexters. This clinical fact testifies that sinisters do not have brain hemispheres distinct specialization. Besides own "left diseases" there are so-called applied aspects of sinisters study. We shall mention only some of them: children left-handers upbringing and teaching in part the geniuses, physical training and sport (trainings individual regimes, rehabilitation), professional orientation and selection, research groups creating, parapsychical phenomena forecasting, in criminalistics (at the suspected and the accused discovery).

Normal Physiology Department contributed much in sinistrality study, separately and with other chairs, in people under physiological and pathological conditions. For example, erythrocytes

amount, erythrocytes sedimentation rate, blood viscosity, erythrocytes procoagulative features are higher in sinisters are higher in capillary blood taken from left index in sinisters, from the right one – in dexters (E.V.Tkachenko et al., 2004-2007). Occlusion type depends on dominant extremity of the investigated person (M. Fazeli Niaki, 2009). Left-sided mandibular angular fractures and phlegmons are observed in the sinisters, right-sided – in dexters, on the middle line – in ambidexters (S.V.Kolomiets, M.Fazeli Niaki et al., 2007-2008). Right halves of face in the sinisters are less harmonic after their coinciding than the right ones, in the dexters – left halves of face are less harmonic than the right ones (A.S.Saadat, M.Fazeli Niaki, 2008).

## DYSLIPIDAEMIA AND DIABETES

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The risk of cardiovascular disease is increased 2-4 fold in patients with diabetes, and this increased risk is apparent even before the glucose levels reach the stage of diagnosis of diabetes. Type 2 diabetes is often accompanied by dyslipidaemias and other parameters of the metabolic syndrome.

Dyslipidaemia in diabetes is present at the time of diagnosis and persists in despite best efforts at glycaemia control. Dyslipidaemia in diabetics is characterised by low levels of high-density lipoproteins (HDL) and high levels of triglyceride relative to controls. The HDL is altered in concentration, and is probably dysfunctional as well. Despite statin therapy the high risk persists in these patients: combination therapy has the potential to reduce vascular risk further.

## IQ-COEFFICIENT IN HSEIU "UMSA" STUDENTS AND IN UKRAINE MILITARY FORCES CADETS DEPENDENTLY ON INTERHEMISPHERICAL ASYMMETRY INDIVIDUAL PROFILE, SEX AND NATIONALITY

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Differential psychology and psychophysiology as a science about individual and grouped psychological and psycho-physiological human varieties are in a big development nowadays (B.H.Машков, 2008). Many specialists deal to the necessity to work with the questions of personalities individualism and their taking into account in a daily and professional life, for example, psychologists, psychiatrists, physiologists, pediatricians, teachers, logopedists, biologists, clinicians in part the dentists and, certainly, the parents who want to grow their child healthy integrated personality and to give him/her the possibility to discover himself/herself maximally taking into account his/her genetic data, physiological and psychological abilities and the society asking as well. Military service belongs to the one that requires human psycho-physiological features tension. Military men features are studied widely nowadays, in part, the intellect indexes; extra-introversion (М.М.Дорошенко, 2001); nervous system force and counterbalance; inaction-mobility of exciting and inhibiting processes; temperament peculiarities in a motoric, intellectual, emotional, will spheres as well as in general personal qualities; temperament separate features determining such as anxiety, rigidity, impulsiveness, emotionalism et al (P.A.Калениченко, 2001). Various typologies of human personality are created during many years but human behavior typology is still not created for the young reinforcement of Ukrainian Military Forces.

The present work aim was to assess and to compare intellect co-efficient index among UMSA students and cadets of the 1-2 courses of Ukrainian Military-Medical Academy (Kiev) taking into account their interhemispherical asymmetry profile (dexters, real sinisters, hidden sinisters, unreal sinisters). The investigation object was 40 students of UMSA, 20 men (10 from Ukraine and 10 from Iran) and 20 women (10 Ukrainian and 10 Iranian); 20 cadets of Ukrainian Military-Medical Academy (10 men and 10 women).

More sinisters were among the UMSA students from Iran than from Ukraine while this difference absence at interhemispherical asymmetry individual profile analysis among men and women, though sinisters were dominant among men in Military-Medical academy students. Dexters, real, hidden and unreal sinisters amount was equal among UMSA students while hidden