

Список використаних джерел:

1. До визнання - тернистий шлях : біографічні штрихи, висловлювання та фотоілюстрації до портрета вченого-свинолога, організатора аграрної науки, академіка Валентина Павловича Рибалка / [упорядник В.М. Самородов, А.А.Гетья, В.М. Нагаєвич, В.І. Герасимов; науковий редактор В.Ф. Коваленко]. В.М. Самородов, О.О. Гетья, В.М. Нагаєвич, В.І. Герасимов; науковий редактор В.Ф. Коваленко]. - Полтава : Полтавський літератор, 2011. - 115 с.
2. Коваленко Віктор Федорович: бібліогр. покажч. наук. праць за 1963-2013 роки / ІС і АПВ НААН: упоряд.: Коваленко О.М., Шостя А.М., Усенко С.О., Зінов'єв С.Г.; наук. ред. В.А. Вергунов - Пол-тава: ТОВ "Фірма "Техсервіс", 2013. - 168 с., іл. - (Бібліографічна серія «Академіки Національної академії аграрних наук України»).

PROFILIZATION AS MEDICAL EDUCATION MODERN IMPORTANT APPROACH

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Such an approach should be realized by any educational establishment, but by the medical one – at maximal possible extent. Theoretical subjects are managed at the 1st courses but even the tutors teaching them should give the clinical moments at every lesson as the topic studied actuality to increase the applicants' motivation that is especially of crucial importance during increased stress and under current war conditions. We don't pretend to present an exhausting list of the examples of such an essentiality but will share rather important from them in our point of view.

Durable standing and walking, lifting a heavy loadings, having heat overloading in part during taking a hot shower or bath are accompanied by physiological march or temperature proteinuria. The students should remember about this because proteinuria can be pathological as well particularly at glomerulonephritis, dys-proteinemias and para-proteinemias which specific weight got increased in the population.

Only diabetes mellitus has such a distinguishing symptom in urine analysis as hyperisosthenuria or constant increased urine specific weight. At the same time, the students should know about essentiality to have normal ability of the kidneys to concentrate and dissolve urine resulting in its specific weight fluctuation during 24 hours. The probe of Zymnysky will allow to perform a proper monitoring of this function particularly.

Many people don't drink 1,5 and more liters of liquids per 24 hours that is important because approximately 9 liters of alimentary juices are produced daily, 700 ml of water is consumed for bile formation per day and dehydration belongs to one important reason of aging, cataract (mucopolysacharides in lens lose water). As a result of less drinking, hypersthenury occurs.

Glucose belongs to osmotically-active substances toughening water. Diabetes mellitus is accompanied by more abundant polyuria than the insipidus because of glucosuria present only at diabetes mellitus. The patient with diabetes mellitus releases 15-50 liters of urine daily while with the diabetes insipidus – 5-10 liters in average. Even the term “diabetes” proposed by very ancient Greek and Egyptian specialists concerning diabetes mellitus has meaning “coming through” while emphasizing the fact about extremely abundant polyuria observed. Indian ancient doctors were the first proposing to keep the patient’s urine on tongue while differentiating ten types of urine at diabetes mellitus. We consider that detailed data about diabetes mellitus should be given to the students not only at Biochemistry and Endocrinology chairs but during Physiology and Laboratory Diagnostics management as well taking into account rather significant distribution of this dangerous disease nowadays, difficulties in diagnostics and differential diagnostics because the risks groups between the diabetes insulin-dependent and insulin-dependent had interchange. Obstetricians and Gynecologists, Geneticists should remember about this disease because of pre-diabetes with such groups of risk including repeated spontaneous abortions, pre-term labors particularly with a fetus whose weight is 4,5 kg and more, Langerhans’ islets inheritant dys-plasy, having diabetes in one or both parents, in one-egged and two-egged twins.

Phenylketonuria received bigger specific weight in modern population. Neurologists and Psychologists, Pediatricians and Medical Biologists usually pay attention to such babies and children. But one symptom of early diagnostics represents light-brown urine as an interaction to FeCl_3 result. Such data should be given at Physiology, Biochemistry and Laboratory Diagnostics lessons obligatorily.

Autoimmune pathology specific weight increase as well as allergy diseases in part of immune-complex type resulted in glomerulonephritis, pyelonephritis, interstitial nephritis of such nature. And even chronic caries and tonsillitis caused by Streptococci and Staphylococci can result into them because of the so called antigenic mimicry between these microorganisms and the kidneys (glomeruli and canals).

Carrots, beet, amidopyrine and aspirin taking can lead to rosy and red urine. Erythrocytury or microhematuria can testify to glomerulonephritis, macrohematuria – to urinary vesicle cancer. Pyuria or pus presence in urine can be a sign of hard inflectional process. Urine color can help in jaundices differential diagnostics. Pre-hepatic or hemolytic jaundice is accompanied by brown urine, hepatic or parenchymatous – yellow and post-hepatic or mechanical – light green. Such hereditary disease as alcaptonuria is distinguished by black urine.

Another molecular anomaly, gene mutation – maple syrup disease – can be diagnosed on the base of characteristic sweat smell. Acetone or dimethylketone can be released not only through the mouth by salivary glands and respiratory pathways but with the kidneys at liver insufficiency and diabetes mellitus. Especially significant ketosis is observed at diabetes mellitus when ketone bodies’ level gets increased in 10-50 times with abundant ketonuria development. Urine smell becomes characteristic. It is important that there is a principle of organism functioning biological reliability when one or some body systems can compensate problems appeared in another system or several systems.

Geneticists should pay attention to urea citrullin-ornithin cycle with some enzymes which deficiencies have genetic nature and result into ammonia improper decomposition. Ammonia possesses significant neurotoxic effect. That is why urine analysis with ammoniuria, uric acid increased release together with possible varicosity of esophageal veins, "head of jelly" on anterior abdominal wall, "vascular stars", seizures and even losing consciousness at hepatic coma can help to put a proper diagnosis.

Again, theoreticians and clinicians work together and the specialists of Medicine various branches help one another in termed and proper diagnostics, differential diagnostics and therefore encourage to well-aimed therapy and helping the patient.

We presented only the data concerning some urine changes under physiological and pathological conditions. They can accompany blood changes and can appear independently while occurring faster in the second case. Blood as a mirror reflects all processes in alive organism both in norm and pathology and urine can be considered as the second mirror as well. Kidneys pathology can carry not only primary but secondary character while being inheritant, innate and acquired, independent problems or the ones accompanying other systems diseases and syndromes.

INTERNATIONAL FACULTY STUDENTS' STUDY ARTISTIC APPROACH PECULIARITIES

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Modern studentshood is distinguished by significant increase in left-handed and ambidextrous people amount. Only the students from African, moslemic and hinduistic countries are undergone to cultural-religious pressure leading to forced dexterity and left-handers number lowering by statistics. Right hemisphere is known as intuitive, artistic, irrational, using and understanding non-verbal technologies. Left-handers and ambidexters prefer giving them non-traditional forms of tasks and questions while having difficulties in solving the tests because dominant right hemisphere possesses non-consequent but simultant pathway of the information processing. Although we concluded that International faculty students even while being right-handed prefer using intra- and inter-disciplinary integration at a greater extent than Ukrainian students while demonstrating active work of their subdominant right hemisphere and while using synthesis and induction as thinking operations. Artistic approach in their self-education is in writing the concepts with many colors of pens and markers used. They asked the teacher to mark the main with various chinks on the board and not to unite the letters especially if they receive their education in Ukrainian or Russian. It is known that it is non-desirable to teach left-handed children to unite letters because of right hemisphere simultant pathway of the information processing.

International faculty students at Laboratory Diagnostics lessons had personal tasks to describe the diseases statistics, forms, diagnostics methods