

**МАТЕРІАЛИ ІІ МІЖНАРОДНОЇ
СТУДЕНТСЬКОЇ НАУКОВОЇ КОНФЕРЕНЦІЇ**

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М. УМАНЬ, УКРАЇНА

**НАУКА СЬОГОДЕННЯ:
ВІД ДОСЛІДЖЕНЬ ДО
СТРАТЕГІЧНИХ РІШЕНЬ**

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СЕКЦІЯ 16.

МЕДИЧНІ НАУКИ ТА ГРОМАДСЬКЕ ЗДОРОВ'Я

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TYOLOGICAL ASPECTS CONTRIBUTION INTO EXCITIVE TISSUES AND SENSITIVITY STUDY: LITERARY REVIEW AND OWN DATA

Introduction. As it is well-known, excitive tissues comprise skeletal, nervous and secretory.

Ethno-gender typological aspect found its description in the work about necessity to pay bigger attention to psychological problems possible development in Iranian body-builders using anabolic-androgenic steroids as well as essentiality to examine the athletes before the competitions carefully [1]. These results can be used in Psychology, Sportive Physiology and Sportive Medicine.

Ethno-age typological aspect was determined to be important in Sport Physiology and Medicine, Physical Education, Psychology, Gerontology and Infection diseases and was described in the work performed in Iranian elder people concerning to sports persistence following the Covid-19 virus outbreak [2]; in the research about muscular injuries decrease and prevention in the wrestlers in part in Iran [3]. Ethno-gender typological aspect is important to be taken into consideration in Obstetrics-Gynecology, Cardiology, Anaesthesiology and Neurology [4]; Sport Physiology and Medicine, Biochemistry, Molecular Biology (in part during resistance increase study in sportsmen at biochemical level for example, caspase-3 participating in apoptosis process) [5] in Iranian sportsmen.

Ethno-gender-age typological aspect was described with applied significance in Physiology, Sport Physiology, Sport Medicine, Biochemistry, Pulmonology, Cardiology, Andrology, Endocrinology (in relation to testosterone, cortisol and testosterone/cortisol ration changings during resistance exercise with blood flow and respiratory restriction in 21-31-year-old male wrestlers) [6]; Sport Sciences and Constitutionology, Biochemistry (in relation to new adipokine visfatin effects at obesity in the 20-25-year-old girls) [7]; glucose and lipid metabolism peculiarities in middle-aged overweight/obese women [8] in Iran.

We performed several own research sets.

The first set: Aim: To assess and to compare pain sensitivity peculiarities in Iranian students dependently on their temperament type.

Tasks: to assess temperament type (by Eysenck questionnaire) and to determine its influence on pain perception.

Object: 54 Iranian students.

Results: 27 choleric Iranian students possessed less pain threshold. 13 sanguinics from Iran did not exhibit valuable difference in pain perception. 7 phlegmatics and 7 melancholics from Iran had rather low pain sensitivity.

Conclusion: The data received make desirable human temperament taking into account while anesthesia performance to the patients.

The second set: Aim: to assess and to compare pain threshold on the faces right and left halves in the foreign students from various countries (Iran, Syria, Palestina, Iraq and Sudan) in dependence on their dominant extremity while writing.

Tasks: to use survey and observation for determining the students' dominant extremity while writing; to assess pain threshold on their faces right halves; to assess pain threshold on their faces left halves.

Object: students of all courses both of medical and dental faculties from Iran (54), Syria (18), Palestina (18), Iraq (18), Sudan (18).

Results: There were 80 left-handers and 46 right-handers among them. Pain threshold was the lowest in the Iranians, then follow the students from Sudan, the Syrians, the students from Iraq, the Palestinians. Independently on the country left-handers possessed less pain threshold than the right-handers and this difference was maximally valuable in the Iranians. Also the left-handers had less pain threshold on their face left half while the dexters – on the right one. This difference was maximally valuable in the students from Iraq.

Conclusion: We do hope that given data can help in stress assessment in students from different countries (because pain can be considered as a stress marker), in their better adaptation to new life conditions, new mental and physical regimens.

General conclusion. The literary review performed and own research results testify that excitive tissues study has not only theoretical but rather big and multi-facetated applied significance as well in part in such Science branches as Physiology, Pathological Physiology, Biochemistry, Molecular Biology, Endocrinology, Obstetrics-Gynecology, Andrology, Cardiology, Pulmonology, Psychology, Neurology, Dentistry, Cosmetic Medicine, Sport Physiology, Sport Medicine, Physical Education, Pharmacology, Constitutionology, Anesthesiology, Gerontology and Infection diseases. It is evidently that ethnic, ethno-age, ethno-gender, ethno-gender-age typological aspects as well as interhemispherical asymmetry individual profile and temperamental aspect are rather important while characterizing the excitive tissues functioning both under physiological and under pathological conditions.

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