

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
МІЖНАРОДНИЙ ГУМАНІТАРНИЙ УНІВЕРСИТЕТ
ОДЕСЬКИЙ МЕДИЧНИЙ ІНСТИТУТ

МАТЕРІАЛИ
МІЖНАРОДНОЇ НАУКОВО-ПРАКТИЧНОЇ
КОНФЕРЕНЦІЇ

**«СУЧАСНА МЕДИЦИНА:
АКТУАЛЬНІ ПИТАННЯ»**

20-21 листопада 2015 р.

м. Одеса

FACE ASYMMETRIES ASSESSMENT

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The works on asymmetry touch mostly brain hemispheres [21, p.119-133] because it has been considered till the 80th years of last century that asymmetry is characteristic only of brain hemispheres; a bit later – only nervous system [29, p.251-256]. The discussion about symmetry and asymmetry prevalence and bigger beauty in aesthetics and art is also present in many references for instance [26, p.157-180; 30, p.1591-1624]. Asymmetry represents powerful factor of evolution [23, p.485-501]. Fetal testosterone influences on callosal body size and asymmetry different expression in men and women [18, p.1-11]. There exists bigger interhemispheric connectivity in girls compared to boys that results to bigger bilateral representation of language in women than men [13, p.11576-11585]. Big works block is dedicated to left-right asymmetry in embryonic development, regulatory genes and appropriate proteins as well as applied significance of this (in part at breast cancer) [36, p. 5519-5527].

Works on asymmetry and sinistrality are in the scientists focus in different places of the Earth. Interesting data are received while different countries comparing [24, p.991-996].

Maxillary-facial area expresses rather high degree of asymmetry. There is big applied significance of its degree and characteristics determining in prosthetic dentistry in treatment [5, p.83-88; 12, p.212-219; 27, p.325-335; 1, p.169-177], its effectiveness assessment [31, p.12-23], diagnosis [33, p.60-65; 6, p.86-93; 9, p.40-42; 4, p.265-274; 20, p.94-98], differential diagnosis [25, p.132-138; 7, p.138-143; 22, p.253-256] of diseases as well as patients rehabilitation [38, p.11-17]. There is a consideration about facial asymmetry and bite force relationship with handedness (also by Iraqi scientists data) [11, p.190-200]. Indian dentists paid their attention to facial asymmetry three-dimensional assessment [10, p.433-437], the ones from the

USA [17, p.235-252], the Spanish – by computer tomography [37, p.494-498]. Japanese scientists found facial asymmetry relation to hemimandibular hyperplasia [32, p.1557-1559].

Left-handedness represents asymmetry population-species level. It is known that physiological processes have peculiarities in them, that there are diseases that are met only in them as well as other pathological conditions have distinguishing features in them. Indeed, big material is accumulated till now. 23% of left-handers suffer from dental pathology. Left-handers suffer from incisors traumatic injuries more [14, p. 248-254]. Very big problems in this branch are creating the devices for left-handed dentists [8, p. 105-112], a part right- and left-sided dental chairs [28, p.15-30], handedness effect on subgingival scaling with curettes [15, p. 1463-1482], root planning [16, p. 1-14], professional pathology such as musculoskeletal disorders [34, p. 255-266], temporomandibular disorders [2, p.603-609]; right-/left-handedness influence on oral hygiene [35, p.1-9], caries experience [3, p. 229-230], oral malodour evaluation in left- and right-handers [19, p. 317-326].

The aim of a present work was to assess harmony of portraits made after 2 right or left face halves unity in left-handers and right-handers, in girls and fellows. Investigative objects were 10 sinisters and 10 dexters, girls and fellows. **Materials and methods.** Our work was based on individual-physiological human peculiarities assessment. We took into account sinistrality in anamnesis among the investigated person close relatives, leading eye, finger, dominant extremity at the investigation moment, Napoleon's probe, probe with applauding. We took only real sinisters (with sinistrality among close relatives) as the investigation objects and did not take hidden or non-real sinisters. **Results:** if the investigated person was dexter, his face right halves were less harmonically having been united together than the left ones; if sinister – on the contrary. **Results discussion.** Probably, our results can be explained by the fact that right hemisphere and right face half is more dominant in sinisters (and face left half, correspondingly, less developed and the one that gives bigger tenderness and harmony). For dexters – on the contrary.

The results of our work can be applied in Reconstructive Surgery, Maxillary-Facial Surgery, Orthopedy, Orthodonty, cosmetology, Neurology and so on. Thus it has not only theoretical (widens data about asymmetry as a whole, sinisters and face asymmetry in part) but applied as well.

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ВОЗМОЖНОСТИ КОМБИНИРОВАННОГО ЛЕЧЕНИЯ МЕТАСТАТИЧЕСКИХ ОПУХОЛЕЙ ГОЛОВНОГО МОЗГА

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Частота выявления метастатических опухолей головного мозга (МОГМ) – 14–16 случаев на 100000 населения [1, с. 24; 2, с. 134–135; 3, с. 7]. Имеются сведения, что МОГМ развиваются практически в пять раз чаще, чем развитие первичных опухолей [1, с. 23]. Рост частоты выявления МОГМ может быть связан с разработкой, внедрением и широким применением современных методов ранней диагностики и лечения опухолей [4, с. 102; 5, с. 10–11]. Развиваются МОГМ во всех возрастных группах, но чаще – в возрасте профессиональной квалификации, 40 лет и старше [2, с. 134].