

# ABSTRACT BOOK

## 7<sup>th</sup> International Scientific Interdisciplinary Conference for medical students and young scientists



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Kharkiv National Medical University, Kharkiv, Ukraine

*May 15<sup>th</sup> - 16<sup>th</sup>, 2014*

**MINISTRY OF HEALTH OF UKRAINE  
KHARKIV NATIONAL MEDICAL UNIVERSITY**

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Chyryk O.

# CONTEMPORARY VIS-A-VIS ANTIQUE STANDARDS OF FACE BEAUTY

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**Introduction.** During all the times people thought about beauty. And what is beauty and what it canons? Since the beginning of recorded time man has tried to capture physical proportions as values which can be compared with accepted standards of beauty.

**Aim:** To compare the facial proportions of contemporary harmonious faces with those of antiquity, to validate classical canons and to determine new ones useful in orthofacial surgery planning.

**Material and methods:** Contemporary beautiful faces were retrieved from 2013 World's Most Beautiful List of People magazine (USA) and Ukrainian Award 'Viva-Naykrasyvishchi 2013'. The top-10 male faces and the top-10 female faces were analyzed with Scion Image software. The classical facial index, the Bruges facial index, the ratio lower facial height / total facial height and the vertical tri-partite of the lower face were calculated. The same analysis was done on pictures of classical sculptures representing 10 gods and 7 goddesses.

**Results:** Harmonious contemporary female faces have a significantly lower classical facial index, indicating that facial height is less or facial width is larger than in male and even than in antique female faces. The Bruges index indicates a similar difference between ideal contemporary female and male faces. The contemporary male has a higher lower face



(48%) compared to total facial height than the contemporary female (45%). The lower facial thirds index remained quite stable for 2500 years, without gender difference. A good canon for both sexes today is stomion-gnathion being 70% of subnasale-stomion.

**Conclusion:** The average ideal contemporary female face is shorter than the male face, given the fact that interpupillary distance is similar. The Vitruvian thirds in the lower face have to be adjusted to a 30% upper lip, 70% lower lip-chin proportion. The contemporary ideal ratios are suitable to be implemented in an orthofacial planning concept.





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