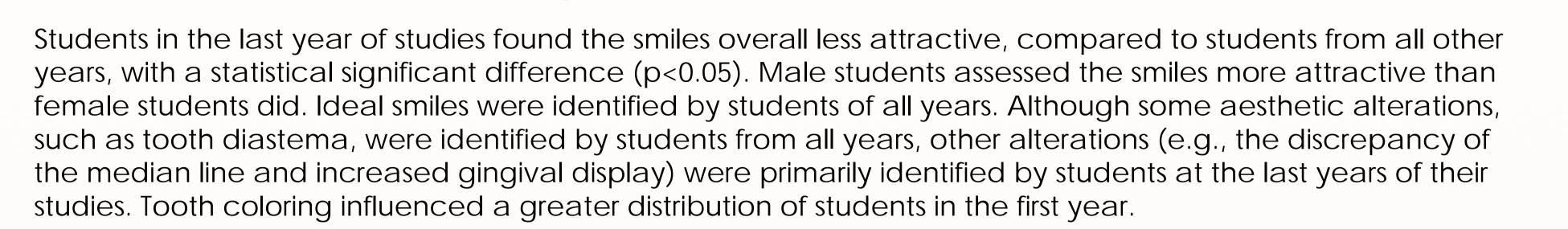


## Perception Of Smile Aesthetics Among Greek Dental Students

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Individuals whose faces are characterized as more attractive, have been associated with higher success in their interpersonal relations and quality of life. Facial aesthetics are inextricably linked with the smile, which, during social interactions, is the most frequently visually visited spot after the eyes. Many people desire to improve their appearance through making changes in their smile. The influence of smile discrepancies, when perceivable by third party observers, in the self-esteem, the development of personality and social contacts, should not be ignored. The perception of smile



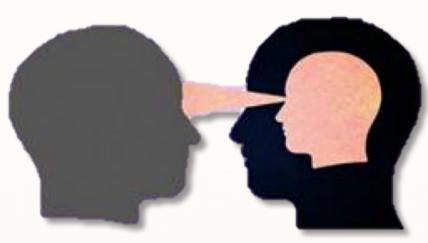
Results

Poster

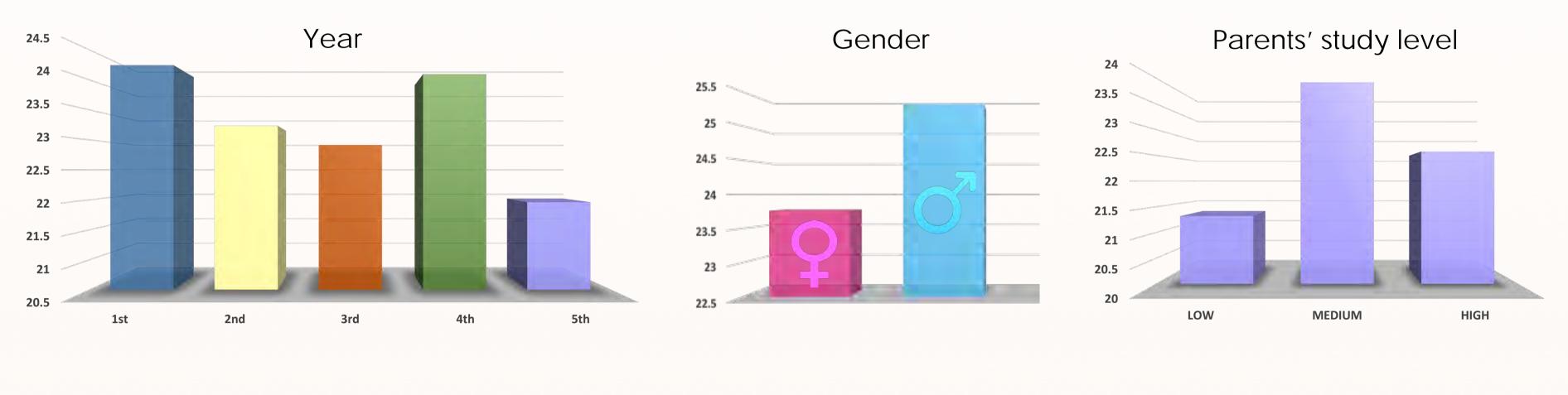
159

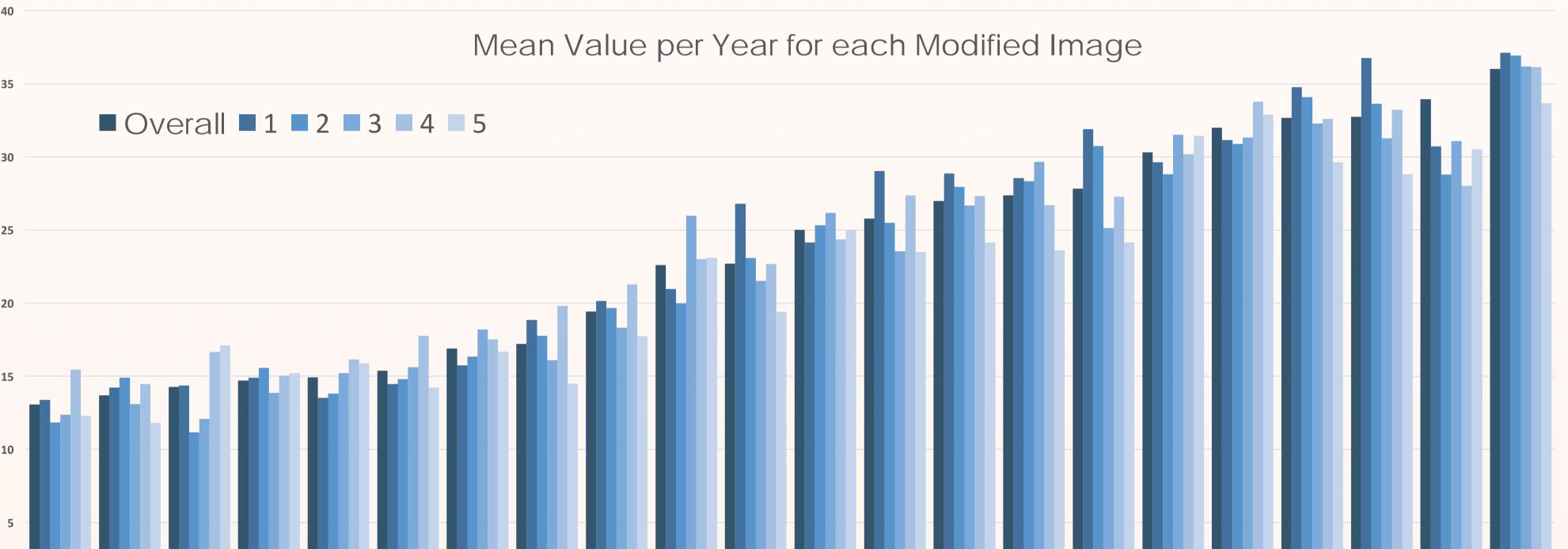
## Mean value per

aesthetics varies from person to person. Often, patients' expectations, are not consistent with the rules and the protocols which dentists has been taught. Perception is one of the cognitive functions, which



people use to organize, identify and interpret sensory information, in order to transform sensory input to higher level information and understand the environment. In dental science, the quantification of smile perception is essential to provide scientific data to guide diagnosis and treatment planning, in line with patient's needs and perceptions. Studies based on smile perception, seeking to assess the aesthetic impact of smile discrepancies, seem to constitute a more objective and evidence-based manner through which many aesthetic dentistry rules are reassessed. The evaluation of modified digital images, is one of the most prevalent methods, which are used to quantify smile Smile and capture perception. perceivable, by dentists discrepancies are more compared to non-professionals. As for perception of smile discrepancies in dental students, literature is limited. The objective of the study is to assess the perception of smile aesthetics among Greek dental students in accordance with their academic background.







## Materials & Methods

400 undergraduate students, 80 per year, from the 5-year study program,



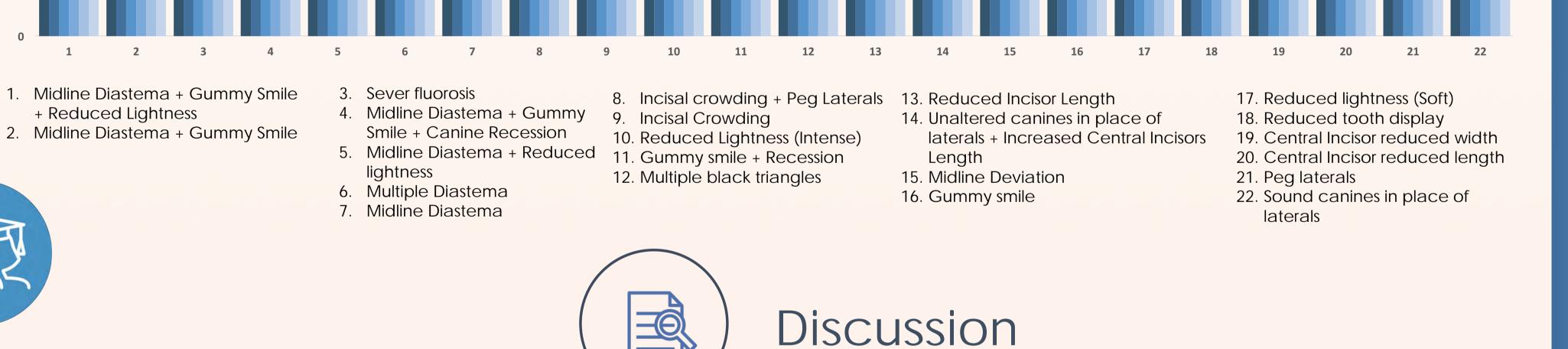


of the University of Athens Dental School, Greece were randomly selected to participate in this study.

An interview in person with all students was arranged for the completion of the questionnaire.



The survey, aside from questions to characterize the sample individually, included 22 photos of frontal smile with variability in smile components. The 22 different frontal smile images were produced through modification with Adobe Photoshop (CS4)



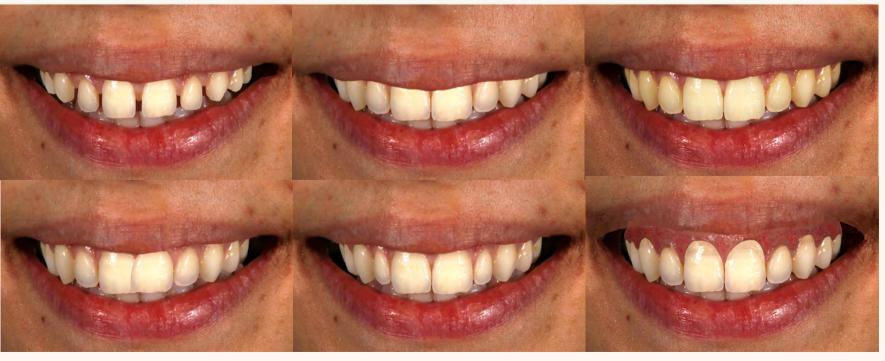
Students' ability to perceive alterations in smile aesthetics did not improve linearly over the years of their studies. Students in the last year of their studies, perceived smile discrepancies with greater ease, indicating that visual aesthetic skill is mostly gained during clinical practice. Academic background seems not to impact significantly the classification of smiles. A strength of the present study was that the images included smiles which has been modified to present smiles with not only one but with more aesthetic discrepancies, as the aim of the study was not to determine the precise size in which a discrepancy becomes perceivable. Dental schools have to reinforce their program regarding smile aesthetics, in order to help students during their studies, to acquire the ability to determine smile alterations.



Conclusions



## Photoshop (CS6).



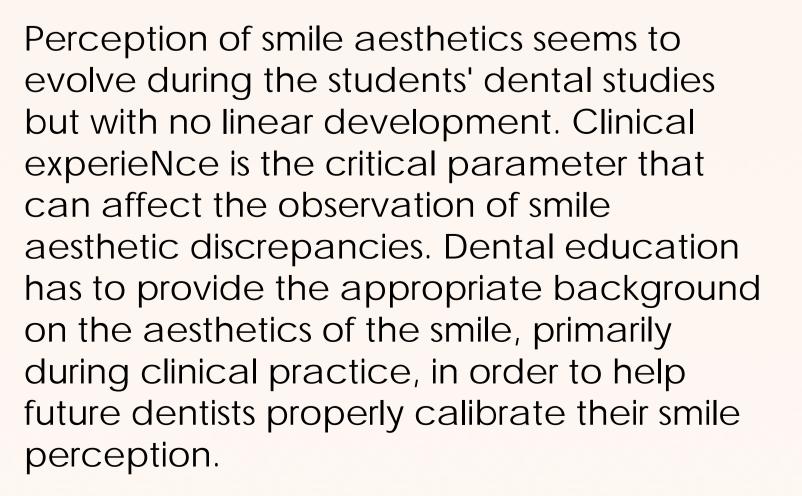
Attractiveness of each smile was assessed using a Visual Analog Scale (VAS) for each image.

0	1	2	3	4	5 	6	7	8	9	1C 

Questionnaire ID :

1. Age: .....

- 2. Gender: Male 🗆 Female 🗆
- 3. What region of the Greece do you live in?
- 4. Where are you from? 
  Greece 
  Other
- 5. Which is the highest level of your parents 'studies (even if they have not finished it)
- Elementary school
   Junior high school
   Technical school
   Senior high school
   College / University.
   Bachelor
   Master
   Doctorate



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