**TABLES**

Table 1. distribution of percentages of the most attractive elements in the face of the interlocutor from the Lebanese, Syrians and Egyptians point of view

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Nationality** |  | **Sex** | | **Total** |
| **Male** | **Female** |
| **Lebanese** | Mouth | 1(3.3%) | 1(3.3%) | 2(3.3%) | |
| Teeth | 12(40.0%) | 6(20.0%) | 18(30.0%) | |
| Eyes | 16(53.3%) | 13(43.3%) | 29(48.3%) | |
| Smile | 1(3.3%) | 9(30.0%) | 10(16.7%) | |
| Lips | 0(0.0%) | 1(3.3%) | 1(1.7%) | |
| Face | 1(3.3%) | 1(3.3%) | 2(3.3%) | |
| Nose | 2(6.7%) | 1(3.3%) | 3(5.0%) | |
| Skin | 0(0.0%) | 2(6.7%) | 2(3.3%) | |
| ***Total*** | ***30(100.0%)*** | ***30(100.0%)*** | ***60(100.0%)*** | |
| **Syrians** | Mouth | 1(3.3%) | 0(0.0%) | 1(1.7%) | |
| Teeth | 12(40.0%) | 4(13.3%) | 16(26.7%) | |
| Eyes | 16(53.3%) | 19(63.3%) | 35(58.3%) | |
| Smile | 6(20.0%) | 5(16.7%) | 11(18.3%) | |
| Lips | 0(0.0%) | 1(3.3%) | 1(1.7%) | |
| Face | 3(10.0%) | 2(6.7%) | 5(8.3%) | |
| Nose | 2(6.7%) | 0(0.0%) | 2(3.3%) | |
| Symmetry | 1(3.3%) | 0(0.0%) | 1(1.7%) | |
| ***Total*** | ***30(100.0%)*** | ***30(100.0%)*** | ***60(100.0%)*** | |
| **Egyptians** | Mouth | 0(0.0%) | 1(3.3%) | 1(1.7%) | |
| Teeth | 8(26.7%) | 7(23.3%) | 15(25.0%) | |
| Eyes | 8(26.7%) | 15(50.0%) | 23(38.3%) | |
| Smile | 10(33.3%) | 9(30.0%) | 19(31.7%) | |
| Lips | 3(10.0%) | 2(6.7%) | 4(6.7%) | |
| Face | 0(0.0%) | 1(3.3%) | 1(1.7%) | |
| Nose | 0(0.0%) | 2(6.7%) | 2(3.3%) | |
| Symmetry | 5(16.7%) | 1(3.3%) | 6(10.0%) | |
| ***Total*** | ***30(100.0%)*** | ***30(100.0%)*** | ***60(100.0%)*** | |

Table 2. Midline to face evaluation by the 3 population of the Middle East

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Midline to Face** | | | | | |
| **Lebanon** |  | **Ideal** | **2mm Deviation** | **4mm Deviation** | **-p-value** |
| **Men** | Without lip filling | 8.00 ± 1.365c | 7.20 ± 1.584b | 6.47 ± 2.738a | 0.011 |
| With lip filling | 7.93 ± 1.337c | 6.97 ± 1.956b | 6.17 ± 2.666a | 0.007 |
| **Women** | Without lip filling | 7.30 ± 2.087c | 6.97 ± 1.974b | 6.00 ± 2.304a | 0.046 |
| With lip filling | 6.80 ± 1.955c | 6.10 ± 2.023b | 5.07 ± 2.716 a | 0.001 |
| **Syria** |  | **Ideal** | **2mm Deviation** | **4mm Deviation** | **-p-value** |
| **Men** | Without lip filling | 7.97 ± 1.273 | 7.67 ± 1.918 | 7.43 ± 2.417 | 0.464 |
| With lip filling | 8.07 ± 1.617 c | 7.17 ± 2.365 b | 6.53 ± 2.862 a | 0.018 |
| **Women** | Without lip filling | 7.37 ± 1.402 | 6.87 ± 1.655 | 6.57 ± 2.315 | 0.202 |
| With lip filling | 7.27 ± 1.929c | 6.27 ± 2.333 b | 5.60 ± 2.787 a | 0.004 |
| **EGYPT** |  | **Ideal** | **2mm Deviation** | **4mm Deviation** | **-p-value** |
| **Men** | Without lip filling | 8.10 ± 1.269 | 7.57 ± 1.305 | 7.63 ± 1.586 | 0.189 |
|  | With lip filling | 7.73 ± 1.893 b | 7.70 ± 1.985 b | 7.07 ± 2.477 a | 0.036 |
| **Women** | Without lip filling | 7.13 ± 1.592 b | 6.13 ± 1.570 a | 5.53 ± 2.224 a | 0.005 |
|  | With lip filling | 6.57 ± 1.942 b | 6.23 ± 1.736 b | 5.43 ± 2.128 a | 0.032 |

*Different letters indicate the presence of significant difference between the positions of the midline*

Table 3. Evaluation of the gummy smile by the 3 population of the Middle East

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Gummy Smile** | | | | | |
| **Lebanon** |  | **zero** | **2 mm** | **4 mm** | **-p-value** |
| **Men** | Without lip filling | 7.67 ± 1.647 c | 6.73 ± 1.760 b | 5.67 ± 2.187 a | 0.001 |
| With lip filling | 7.40 ± 1.940 c | 6.60 ± 1.329 b | 5.47 ± 2.177 a | 0.001 |
| **Women** | Without lip filling | 6.67 ± 1.971 b | 6.90 ± 2.510b | 5.93 ± 2.728 a | 0.036 |
| With lip filling | 6.30 ± 2.307 b | 6.17 ± 2.588 b | 5.43 ± 2.661 a | 0.049 |
| **Syria** |  | **zero** | **2 mm** | **4 mm** | **-p-value** |
| **Men** | Without lip filling | 8.03 ± 1.671 b | 8.23 ± 1.633 b | 7.30 ± 2.507 a | 0.021 |
| With lip filling | 7.87 ± 1.907 b | 7.77 ± 1.977 b | 6.93 ± 2.196 a | 0.016 |
| **Women** | Without lip filling | 7.47 ± 1.383 b | 6.73 ± 1.982 b | 5.97 ± 2.220 a | 0.030 |
| With lip filling | 7.23 ± 2.112 b | 6.63 ± 2.042 b | 5.60 ± 2.749 a | 0.008 |
| **Egypt** |  | **zero** | **2 mm** | **4 mm** | **-p-value** |
| **Men** | Without lip filling | 7.97 ± 1.402 | 8.27 ± 1.388 | 7.97 ± 2.141 | 0.234 |
|  | With lip filling | 7.60 ± 1.694 | 7.47 ± 1.756 | 7.23 ± 2.128 | 0.633 |
| **Women** | Without lip filling | 6.53 ± 2.013 b | 6.57 ± 1.547 b | 5.33 ± 1.583 a | 0.000 |
|  | With lip filling | 6.07 ± 1.946 | 5.93 ± 1.799 | 5.67 ± 2.468 | 0.780 |

*The different letters indicate the presence of significant difference between the positions of the gummy smile*

**Table 4. Evaluation of the buccal corridor by the 3 population of the Middle East**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Corridor Buccal** | | | | | |
| **Lebanon** |  | **0%** | **10%** | **20%** | **-p-value** |
| **Men** | Without lip filling | 7.60 ± 1.653 | 7.20 ± 1.769 | 7.23 ± 1.591 | 0.282 |
| With lip filling | 7.17 ± 2.151 | 7.20 ± 1.584 | 7.00 ± 1.509 | 0.335 |
| **Women** | Without lip filling | 6.30 ± 2.423 | 6.30 ± 2.395 | 6.03 ± 2.593 | 0.522 |
| With lip filling | 6.00 ± 2.407 | 6.00 ± 2.213 | 6.10 ± 2.482 | 0.932 |
| **Syria** |  | **0%** | **10%** | **20%** | **-p-value** |
| **Men** | Without lip filling | 7.03 ± 2.399 | 6.83 ± 2.365 | 7.03 ± 2.414 | 0.570 |
| With lip filling | 7.63 ± 1.732 | 7.80 ± 1.864 | 7.80 ± 1.789 | 0.606 |
| **Women** | Without lip filling | 6.90 ± 2.249 | 7.00 ± 1.722 | 6.63 ± 1.847 | 0.428 |
| With lip filling | 7.03 ± 2.470 | 6.73 ± 2.067 | 6.47 ± 2.224 | 0.232 |
| **Egypt** |  | **0%** | **10%** | **20%** | **-p-value** |
| **Men** | Without lip filling | 7.97 ± 1.691 | 7.83 ± 1.783 | 7.57 ± 2.063 | 0.282 |
|  | With lip filling | 7.50 ± 2.177 | 7.60 ± 2.159 | 7.40 ± 2.111 | 0.443 |
| **Women** | Without lip filling | 6.33 ± 1.605 | 6.13 ± 1.570 | 5.70 ± 2.292 | 0.485 |
|  | With lip filling | 6.30 ± 1.985 | 5.93 ± 2.083 | 5.67 ± 2.468 | 0.457 |

*Different letters indicate the presence of significant difference between the photos of the oral corridor*

Table 5.Summary table of the results of Middle- East population (MEP) preferences; ND: no difference

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| MEP (preferences) | | | | | |
| Midline to face discrepancy | | | | | |
| Men | Syria | ND/ **ideal** | Women | Syria | ND/ **ideal** |
|  | Lebanon | ideal |  | Lebanon | ideal |
|  | Egypt | ND/ **ideal; 2mm** |  | Egypt | ideal / **ideal; 2mm** |
| Gummy smile | | | | | |
| Men | Syria | zero; 2mm | Women | Syria | zero; 2mm |
|  | Lebanon | zero |  | Lebanon | zero; 2mm |
|  | Egypt | ND |  | Egypt | zero; 2mm |
| Buccal Corridor | | | | | |
| Men | Syria | ND | Women | Syria | ND |
|  | Lebanon | ND |  | Lebanon | ND |
|  | Egypt | ND |  | Egypt | ND |
| **Lip filling influence on smile attractiveness threshold: preference without upper lip filling/ preference with upper lip filling** | | | | | |

**FIGURES**

Fig. 1. Reference smile which follows the standards, it will be manipulated by the software



Fig. 2. Buccal corridor manipulation with and without the upper lip filling: a. absence of buccal corridor (0%) - b. average size of the buccal corridor (10%) - c. large buccal corridor (20%)



Fig. 3. Gummy smile manipulation with and without the upper lip filling: a. Absence of gummy smile - b. 2mm of gummy smile - c. excessive gummy smile

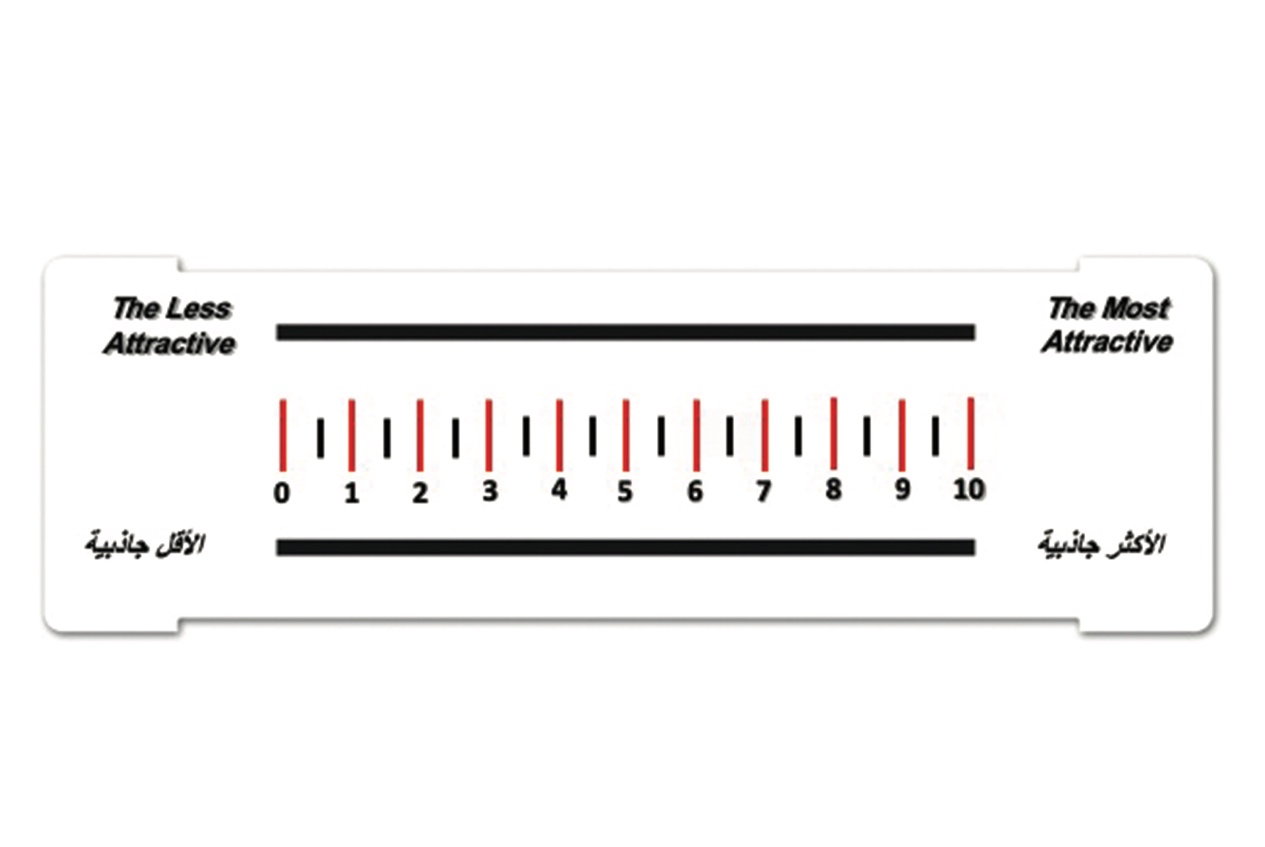


Fig. 5. The visual analogue scale (VAS)

Fig. 4. Midline to face manipulation with and without upper lip filling: a. No deviation (ideal) - b. 2mm discrepancy - c. 4mm discrepancy