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| Table S1. Demographic of the patients | | | | |
|  | Male | | Female | |
|  | Right | Left | Right | Left |
| Number | 29 | 31 | 22 | 22 |
| Age, mean  (range) | 47.2  (20-73) | 48.3  (21-87) | 59.3  (26-96) | 55.1  (22-84) |

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| Table S2. The laterality of orbital floor and medial wall length, angle, simotic index, and thickness of upper eyelid | | | | | | | |
|  | Male | | |  | Female | | |
|  | Right | Left | Comparison |  | Right | Left | Comparison |
|  | Mean(SD) | Mean(SD) | P value |  | Mean(SD) | Mean(SD) | P value |
| AB: Ante-orbital floor (mm) | 23.58(2.09) | 24.02(2.14) | 0.42 |  | 22.22(1.66) | 21.80(1.95) | 0.45 |
| BC: Ante-medial wall (mm) | 22.62(2.02) | 22.89(2.11) | 0.62 |  | 22.16(2.04) | 22.14(1.95) | 0.96 |
| DE: Mid-orbital floor (mm) | 20.2(2.01) | 20.93(1.88) | 0.15 |  | 19.16(1.63) | 19.49(2.01) | 0.55 |
| EF: Mid-medial wall (mm) | 16.55(2.06) | 17.10(1.91) | 0.28 |  | 15.89(1.53) | 16.44(1.77) | 0.28 |
| GH: Post-orbital floor (mm) | 9.22(1.72) | 9.72(1.54) | 0.24 |  | 9.04(1.44) | 9.88(1.41) | 0.06 |
| HI: Post-medial wall (mm) | 11.38(2.16) | 11.00(2.20) | 0.50 |  | 10.54(1.51) | 9.65(1.49) | 0.06 |
| ∠ABC: Ante-angle (゜) | 108.7(4.77) | 110.1(5.48) | 0.28 |  | 110.1(4.32) | 111.5(4.35) | 0.29 |
| ∠DEF: Mid-angle (゜) | 136.3(8.07) | 132.5(8.18) | 0.07 |  | 133.9(5.86) | 133.9(5.26) | 0.98 |
| ∠GHI: Post-angle (゜) | 136.9(13.88) | 137.2(11.10) | 0.92 |  | 141.6(10.33) | 141.2(9.75) | 0.92 |
| Simotic Index | 0.67(0.16) | 0.66(0.12) | 0.74 |  | 0.53(0.13) | 0.55(0.11) | 0.65 |
| Thickness of upper eyelid | 3.87(0.86) | 3.64(0.72) | 0.29 |  | 3.46(0.80) | 3.41(0.80) | 0.86 |

SD, standard deviation

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| Table S3. Sex difference of orbital floor and medial wall length, angle, simotic index, and thickness of upper eyelid | | | |
|  | Male | Female | Comparison |
|  | Mean(SD) | Mean(SD) | P value |
| AB: Ante-orbital floor (mm) | 23.81(2.11) | 22.01(1.81) | <0.01 |
| BC: Ante-medial wall (mm) | 22.76(2.05) | 22.15(1.98) | 0.13 |
| DE: Mid-orbital floor (mm) | 20.58(1.96) | 19.32(1.82) | <0.01 |
| EF: Mid-medial wall (mm) | 16.83(1.99) | 16.17(1.66) | 0.07 |
| GH: Post-orbital floor (mm) | 9.48(1.63) | 9.46(1.47) | 0.96 |
| HI: Post-medial wall (mm) | 11.18(2.17) | 10.1(1.55) | <0.01 |
| ∠ABC: Ante-angle (゜) | 109.4(5.16) | 110.8(4.35) | 0.15 |
| ∠DEF: Mid-angle (゜) | 134.3(8.28) | 133.9(5.50) | 0.75 |
| ∠GHI: Post-angle (゜) | 137.1(12.41) | 141.4(9.93) | 0.06 |
| Simotic Index | 0.67(0.14) | 0.54(0.12) | <0.01 |
| Thickness of upper eyelid | 3.75(0.79) | 3.44(0.79) | 0.06 |

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| Table S4. Angle and length correlation | | | | | |
|  | Male | |  | Female | |
|  | Correlation coefficient | P value |  | Correlation coefficient | P value |
| ∠ABC,|BA| | -0.6567 | <0.01 |  | -0.5036 | <0.01 |
| ∠ABC,|BC| | -0.3551 | <0.01 |  | -0.3544 | 0.02 |
| |BA|,|BC| | 0.0614 | 0.64 |  | 0.12969 | 0.40 |
| ∠DEF,|ED| | -0.1427 | 0.28 |  | -0.3414 | 0.02 |
| ∠DEF,|EF| | -0.4536 | <0.01 |  | -0.2208 | 0.15 |
| |ED|,|EF| | -0.0575 | 0.66 |  | 0.05131 | 0.74 |
| ∠GHI,|HG| | -0.1955 | 0.13 |  | -0.3732 | 0.01 |
| ∠GHI,|HI| | -0.1622 | 0.22 |  | 0.18493 | 0.23 |
| |HG|,|HI| | -0.1970 | 0.13 |  | -0.3157 | 0.04 |

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| Table S5. Difference in orbital floor and medial wall length, angle, simotic index, and thickness of upper eyelid between type A and B | | | | | | | |
|  | Male | | |  | Female | | |
|  | Type A n=28 | Type B n=32 | Comparison |  | Type A n=9 | Type B n=35 | Comparison |
|  | Mean(SD) | Mean(SD) | P value |  | Mean(SD) | Mean(SD) | P value |
| AB: Ante-orbital floor (mm) | 23.66(1.92) | 23.93(2.28) | 0.62 |  | 22.46(2.37) | 21.89(1.66) | 0.41 |
| BC: Ante-medial wall (mm) | 23.08(1.95) | 22.49(2.13) | 0.14 |  | 23.06(1.45) | 21.92(2.04) | 0.12 |
| DE: Mid-orbital floor (mm) | 20.62(2.03) | 20.55(1.93) | 0.89 |  | 19.97(1.58) | 19.16(1.86) | 0.23 |
| EF: Mid-medial wall (mm) | 16.37(2.17) | 17.23(1.75) | 0.09 |  | 15.79(1.36) | 16.26(1.73) | 0.45 |
| GH: Post-orbital floor (mm) | 9.89(1.54) | 9.11(1.65) | 0.06 |  | 10.15(1.37) | 9.28(1.46) | 0.11 |
| HI: Post-medial wall (mm) | 11.50(2.25) | 10.91(2.09) | 0.29 |  | 9.62(1.65) | 10.22(1.52) | 0.30 |
| ∠ABC: Ante-angle (゜) | 109.5(5.42) | 109.4(5.00) | 0.47 |  | 109.4(3.82) | 111.1(4.45) | 0.30 |
| ∠DEF: Mid-angle (゜) | 135.6(8.50) | 133.2(8.06) | 0.28 |  | 138.4(4.96) | 132.7(5.08) | <0.01 |
| ∠GHI: Post-angle (゜) | 126.8(8.48) | 146.0(7.25) | <0.01 |  | 129.3(9.30) | 144.5(7.46) | <0.01 |
| Simotic Index | 0.72(0.15) | 0.62(0.11) | <0.01 |  | 0.63(0.18) | 0.52(0.09) | 0.015 |
| Thickness of upper eyelid | 3.65(0.72) | 3.82(0.84) | 0.43 |  | 2.85(0.65) | 3.57(0.77) | 0.018 |
| Table S6. Correlation between the thickness of upper eyelid and presence of double eyelids | | | | | | | |
|  | Male | | |  | Female | | |
| Double eyelid | ( + ) n=21 | ( - ) n=11 | Comparison |  | ( + ) n=12 | ( - ) n=13 | Comparison |
|  | Mean(SD) | Mean(SD) | P value |  | Mean(SD) | Mean(SD) | P value |
| Thickness of upper eyelid | 3.34(0.62) | 4.00(0.54) | <0.01 |  | 3.21(0.78) | 3.82(0.95) | 0.09 |