

CORRECTION

Correction: Characteristics of astigmatism before and 1 month after blepharoptosis surgery in patients with acquired ptosis

Kazuhiko Dannoue, Seiji Takagi, Keiko Uemura, Anna Takei, Tomohiko Usui

In [Table 1](#), the value in “Number of eyes” under “AP” column and the category name “MRD (mm)” and its values are incorrect. It should have been “84” and “MRD-1 (mm)” respectively. Please see the correct [Table 1](#) here.

In [Table 2](#), there are errors in the “Postoperative (cases/%)” group of contact lens-related ptosis (CLP). Please see the correct [Table 2](#) here.

[Fig 1](#) is incorrect. Please see the correct [Fig 1](#) here.

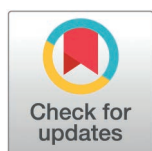
In the Abstract section, there is an error in the seventh, tenth, eleventh and fifteenth sentences. The correct seventh sentence is: The correlation between SIA and margin reflex distance (MRD-1) was calculated. The correct tenth sentence is: The MRD-1 increased significantly after treatment in both groups. The correct eleventh sentence is: The proportions of WTR, ATR, and OA were 22%, 52%, and 25%, and 86%, 9%, and 4% in the AP and CLP groups, respectively. The correct fifteenth sentence is: There was no significant correlation between SIA calculated using the Cravy and Jaffe methods and MRD-1.

In the Patients subsection of Introduction, there is an error in the sixth sentence. The correct sentence is: Ptosis severity was evaluated using the margin reflex distance (MRD-1), a measurement of the distance from the middle upper eyelid to the corneal light reflex [29].

In the Statistical analyses subsection of Patients and Methods, there is an error in the fifth sentence. The correct sentence is: The association among the individual SIA was calculated using the Cravy method, the Jaffe method, and the preoperative MRD-1.

In the Results section, there is an error in the second and fifth sentences of the first paragraph. The correct second sentence is: One hundred and eight eyes from 58 patients (AP group: 84 eyes from 45 patients; females, 32; age, 73.8 ± 7.6 years; CLP group: 23 eyes from 13 patients; females, 10; age, 47.7 ± 6.6 years) were included. The correct fifth sentence is: The MRD-1 increased significantly after treatment in both the AP group (0.78 ± 0.9 mm to 3.22 ± 1.2 mm; $P < 0.001$) and CLP group (0.70 ± 0.5 mm to 3.85 ± 0.5 mm; $P < 0.001$).

In the Results section, there is an error in the second paragraph. The correct paragraph is: The proportions of WTR, ATR, and OA were 22%, 52%, and 25% and 86%, 9%, and 4% in the AP and CLP groups, respectively ([Fig 1](#)).



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Table 1. Demographic data of the age-related ptosis (AP) and contact lens-related ptosis (CLP) groups.

	AP			CLP			P-value
Number of eyes	84			23			—
Age (years)	73.8 ± 7.6			47.7 ± 6.6			<0.01*
Sex (male:female)	13:32			3:10			>0.05**
	Pre-operative value	Post-operative value	P-value***	Pre-operative value	Post-operative value	P-value***	—
MRD-1 (mm)	0.78 ± 0.9	3.22 ± 1.2	<0.001	0.70 ± 0.5	3.85 ± 0.5	<0.001	—
Visual acuity (logMar)	0.05 ± 0.92	0.04 ± 0.89	>0.05	−0.08 ± 1.00	−0.08 ± 1.15	>0.05	—

*Mann–Whitney U test,

**chi-square test, and

***student's t-test

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Table 2. Shift in the type of astigmatism postoperatively in the acquired ptosis (AP) and contact lens-related ptosis (CLP) groups.

AP		CLP	
Preoperative (cases)	Postoperative (cases/%)	Preoperative (cases)	Postoperative (cases/%)
WTR (21)	WTR (15/71.4)	WTR (20)	WTR (19/95.0)
	OA (5/23.8)		OA (0/0)
	ATR (1/4.8)		ATR (1/5.0)
OA (19)	OA (9/47.3)	OA (2)	OA (0/0)
	WTR (5/26.3)		WTR (2/100)
	ATR (5/26.3)		ATR (0)
ATR (44)	ATR (25/56.8)	ATR (1)	ATR (0)
	OA (14/31.8)		OA (1/100)
	WTR (5/11.3)		WTR (0)

The shaded cells represent a change in the type of astigmatism postoperatively. WTR: With-the-rule; ATR: Against the rule; OA: Oblique astigmatism.

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In the Results section, there is an error in the third and fifth sentences of the third paragraph. The correct third sentence is: WTR changed to OA in 23.8% and ATR in 4.8% of the patients, OA changed to WTR in 26.3% and ATR in 26.3% of the patients, and ATR changed to WTR in 11.3% and OA in 31.8% of the patients. The correct fifth sentence is: WTR changed to ATR in 5.0%, OA changed to WTR in 100%, and ATR changed to OA in 100% of the patients.

In the Discussion section, there is an error in the eighth sentence of the first paragraph. The correct eighth sentence is: WTR was most frequent in the CLP group, while the proportions of WTR and OA were 22% and 25%, respectively, in the AP group.

In the Discussion section, there is an error in the eighth sentence of the third paragraph. The correct eighth sentence is: We observed similar results in terms of the type of astigmatism: 41% of patients in the AP group and 13% of patients in the CLP group showed a change in the type of astigmatism postoperatively (Table 2).

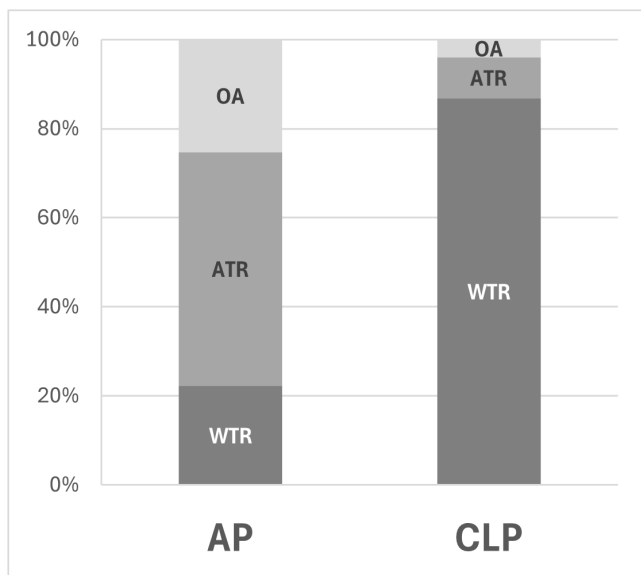


Fig 1. Proportions of the preoperative astigmatism type in the acquired ptosis (AP) and contact lens-related ptosis (CLP) groups. WTR: With-the-rule; ATR: Against the rule; OA: Oblique astigmatism.

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Reference

1. Dannoue K, Takagi S, Uemura K, Takei A, Usui T. Characteristics of astigmatism before and 1 month after blepharoptosis surgery in patients with acquired ptosis. PLoS One. 2021;16(10):e0258688. <https://doi.org/10.1371/journal.pone.0258688> PMID: [34710107](https://pubmed.ncbi.nlm.nih.gov/34710107/)