Dear editor

We read with great interest the article by Kobayashi et al on the use of endoillumination probe-assisted Descemet membrane endothelial keratoplasty (DMEK) for bullous keratopathy secondary to argon-laser iridotomy.\(^1\) We would like to bring to the author’s notice that one of us (SJ) described the use of external endoillumination for DMEK, and the same was published under our names in 2014 as endoilluminator-assisted transcorneal illumination for DMEK,\(^2\) with study patients included from January 2013. There are also numerous other references to this online.\(^3–6\) We have termed this technique endoilluminator-assisted DMEK or E-DMEK and endoilluminator-assisted pre-Descemet endothelial keratoplasty (E-PDEK) when applied to PDEK.\(^7\) E-DMEK makes the surgery simpler by allowing good visualization and better surgeon comprehension of graft morphology and dynamics and enhanced visualization and three-dimensional depth perception through edematous and hazy corneas (Figure 1). The technique also aids the surgeon with better comprehension of graft orientation and positioning (Video S1). We would like to gently bring to the authors’ attention that our work was the initial report on E-DMEK, and that this has been missed in their citation.

Figure 1 E-DMEK/E-PDEK.

Notes: (A) View of DMEK graft through microscope light shows insufficient visualization; (B) with microscope light turned off and with oblique external illumination by an endoilluminator (vitreo-retinal light pipe), three-dimensional visualization improves with better comprehension of entire graft morphology, orientation, and position.

Abbreviations: E-DMEK, endoilluminator-assisted Descemet membrane endothelial keratoplasty; E-PDEK, endoilluminator-assisted pre-Descemet endothelial keratoplasty.

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The authors report no conflicts of interest in this communication.

References

Supplementary material
Video S1. Enhanced visualization and three-dimensional depth perception with the use of oblique external light from the endoilluminator in E-DMEK and E-PDEK.
Author’s reply

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Dear editor

First of all, I would like to apologize for overlooking a wonderful and important article concerning the use of an endoilluminator for Descemet membrane endothelial keratoplasty (DMEK) by Jacob et al published in 2014.1 We have been using endoillumination to improve visualization during cataract surgery since 2003,2 as cited in Jacob et al’s article.1 Therefore, it is quite natural for us to use this technique for DMEK as well as complicated partial thickness corneal transplant endothelial keratoplasty (DSEK). Actually, we have been using an endoilluminator for DMEK since 2013 and found it quite useful especially for Asian eyes with dark brown irises. Our case report3 published in 2015 (5 months after Jacob et al’s publication) was originally submitted to another journal before the publication of Jacob et al’s article, and during the resubmission process to Clinical Ophthalmology, Jacob et al published their paper.1 This is why the oversight occurred in our article. Anyway, I congratulate them on their first publication on the use of E-DMEK. I strongly believe the use of an endoilluminator is quite a useful technique for DMEK.

Disclosure

The author reports no conflicts of interest in this communication.

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