

**New clinical support to promote or confirm  
the superiority of the Moria Single-use Trephine**

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Dear Distributors,

We would like to emphasize once more on the safety and efficacy of Moria Single-Use Adjustable Recipient Trephine (**SKU 17202Dxxx**) which allows **accurate trephination of the patient's eye**.



Data recently published by Fenzl et al. (Salt Lake City, USA) within *Clinical Ophthalmology* (November 2014)<sup>1</sup> from the first-of-its-kind study assessing accuracy of the 8.0-mm Moria trephine technology show that the Single-Use Adjustable Recipient Trephine when set at 80% of mean peripheral pachymetry at [7-10] mm:

- ✓ is impressively **accurate in terms of trephination depth** (expected vs obtained):  $83.7 \pm 6.5$  % with a very tight deviation;
- ✓ is **10 times more accurate in terms of trephination angle than Hessburg-Barron** trephine (BPI distributed by Katena/Jetmed/Altomed) with a 95% confidence interval of  $\pm 4.81$  % angle.

Fenzl et al. to conclude: "This study suggests that:

- ✓ The **Moria adjustable-depth corneal trephine is an accurate method for trephination** to a specific corneal depth, with a mean depth of only slightly greater than intended.
- ✓ In addition, the standard deviation of trephination angles of the Moria trephine was **significantly less than those observed with the Hessburg-Barron and Hanna trephines**.
- ✓ (...) **This allows for increased precision when performing DALK and penetrating keratoplasty, when the surgeon wants to stop short of a complete trephination.**"

The study was conducted at the John A. Moran Eye Center, University of Utah, Salt Lake City, UT. The authors report no conflicts of interest in this work. No funding was provided by Moria Surgical.

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Yours Faithfully,

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<sup>1</sup> Fenzl CR, Guess AJ, Moshirfar M. Accuracy of corneal trephination depth using the Moria single-use adjustable depth vacuum trephine system. *Clinical Ophthalmology* 2014;8:2391-2396