

# Moria



## ONE® Deep Well Tri-Fold Cover

Adding paired radial incisions to DMEK grafts has been described as a simple method for inducing a triple scroll conformation that facilitates unscrolling.<sup>1-2</sup>



### MARK HANSEN, MD - MINNESOTA EYE CONSULTANTS

"I like that this technique works **best with younger donor tissue**. It increases my ability to transplant higher endothelial cell counts. In theory, this can prolong the longevity of the graft functioning properly in the recipient. Also, utilizing this technique allows for **easier unfolding** which helps the newer DMEK surgeon reduce surgical times."

### DAVID HARDTEN, MD - MINNESOTA EYE CONSULTANTS

"As it is best to keep a deep chamber to allow the tissue to form a tri-scroll, less shallowing of the chamber (squishing the graft) and tapping is required for unscrolling. Thus, **less potential damage** to the endothelium via indirect tissue manipulation and **shorter OR times**"

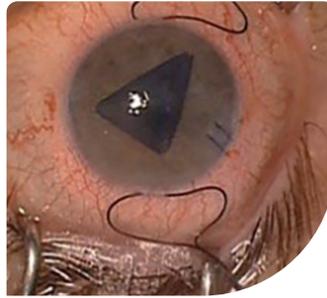
### JOSHUA HOU, MD - UNIVERSITY OF MINNESOTA

"With my residents and fellows, we recognize significantly shorter surgical times. I think it allows for a much **faster learning curve** for surgeons transitioning from DSAEK to DMEK, as well."

# EXPERIENCE A NOVEL TECHNIQUE TO FACILITATE LEARNING CURVE AND PERFORM YOUR DMEK

DMEK procedure is increasingly performed and becomes the preferred endothelial keratoplasty among surgeons<sup>3</sup>. But it remains technically challenging due to the thinness of the graft and its natural tendency to scroll.

To facilitate graft unscrolling and decrease learning curve, **Moria** with the collaboration of the **Lions Gift of Sight** eye bank, developed the **Deep Well Tri-Fold Cover (#17215Rxxx)**.



The trifold orientation is easily created due to the relaxing incisions<sup>2</sup>.

This device is used in combination with the receptacle of the Deep Well Guarded Punch as mentioned below:

Designation	Sizing diameter	References
<b>Step 1. For peripheral scoring</b>		
Deep Well Guarded Punch D9.50 mm	9.50 mm	<b>17212D950</b>
Deep Well Guarded Punch D10.00 mm	10.00 mm	<b>17212D1000</b>
Deep Well Guarded Cover D9.50 mm	9.5 mm	<b>17213D950</b>
Deep Well Guarded Cover D10.00 mm	10.00 mm	<b>17213D1000</b>
<b>Step 2. For final graft sizing</b>		
Deep Well Guarded Punch D7.50 mm	7.50 mm	<b>17212D750</b>
Deep Well Guarded Punch D7.75 mm	7.75 mm	<b>17212D775</b>
Deep Well Guarded Punch D8.00 mm	8.00 mm	<b>17212D800</b>
Deep Well Guarded Punch D8.25 mm	8.25 mm	<b>17212D825</b>
Deep Well Guarded Punch D8.50 mm	8.50 mm	<b>17212D850</b>
Deep Well Guarded Cover D7.50 mm	7.50 mm	<b>17213D750</b>
Deep Well Guarded Cover D7.75 mm	7.75 mm	<b>17213D775</b>
Deep Well Guarded Cover D8.00 mm	8.00 mm	<b>17213D800</b>
<b>Step 3. For Tri scrolling</b>		
Deep Well Tri-Fold Cover R7.50 mm	7.50 mm	<b>17215R750</b>
Deep Well Tri-Fold Cover R7.75 mm	7.75 mm	<b>17215R775</b>
Deep Well Tri-Fold Cover R8.00 mm	8.00 mm	<b>17215R800</b>

**FDA registered & CE marked**

## REFERENCES

- Martin de la Presa et al.** Ex Vivo Safety and Efficacy of Paired Peripheral Incisions in Descemet's Membrane Endothelial Keratoplasty Grafts to Facilitate Unscrolling. *Cornea* **2021**;40(1):99-106
- Hansen et al.** Small relaxing incisions may allow easier DMEK surgery. *Ocular Surgery News U.S. Edition*, May 10, **2019**
- Rodrigo-Calvo-de-Mora et al.** Clinical Outcome of 500 Consecutive Cases Undergoing Descemet's Membrane Endothelial Keratoplasty. *Ophthalmology* **2015**;122(3):464-470



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**MORIA SA**  
27, rue du Pied de Fourche  
03160 Bourbon L'Archambault  
FRANCE  
Phone: +33 (0)1 46 74 46 74  
Fax: +33 (0)1 46 74 46 00  
[moria@moria-int.com](mailto:moria@moria-int.com)  
[www.moria-surgical.com](http://www.moria-surgical.com)

**MORIA Inc**  
1050 Cross Keys Drive  
Doylestown, PA 18902  
USA  
Phone: (800) 441 1314  
Fax: +1 (215) 230 7670  
[orders@moriausa.com](mailto:orders@moriausa.com)  
[www.moria-surgical.com](http://www.moria-surgical.com)

**Moria**

**Moria Japan K.K.**  
Arcadia Building 6F  
1-12-3 Kanda  
SudachoChiyoda-Ku  
Tokyo 101-0041  
JAPAN  
Phone: 81-3-6260-8309  
Fax: 81-3-6260-8310  
[moria@moriajapan.com](mailto:moria@moriajapan.com)  
[www.moriajapan.com](http://www.moriajapan.com)

**Moria COMMERCIAL (CHINA) CO., LTD.**  
上海目利亚贸易有限公司  
Room H 6F Kaili Building NO.432  
West Huai Hai Road, Changning district, Shanghai, 200052, P.R.C  
中国上海市长宁区淮海西路432号  
凯利大厦6楼08室  
Phone/Fax : +86 021 52586095  
[moriachina@moria-int.com](mailto:moriachina@moria-int.com)