Glaucoma filtration surgery was previously performed when patients had uncontrolled intraocular pressures on maximally tolerated medical treatment, or after failed laser trabeculoplasty. The main reasons for delaying surgery were the risk of post-operative complications associated with standard trabeculectomy procedures and high failure rates for operations in certain sub-groups of glaucoma patients. Technical modifications to the trabeculectomy procedure including adjustable suture techniques combined with the use and techniques of applying powerful antimetabolites now enable the surgeon to have much greater control of both the operation and post-operative scarring.

In association with Professor Peng Tee Khaw of Moorfields Eye Hospital London, Duckworth and Kent has produced a complete set of instruments for an approach in glaucoma surgery known as the Safer Surgery System.

This technique has been developed with the intention of improving consistency in glaucoma surgery. The use of potent anti-proliferative agents such as Mitomycin-C (MMC) during trabeculectomy increases the risk of potential complications, including hypotony, visual loss, uncomfortable blebs and leaking blebs that may lead to endophthalmitis. The Safer Surgery System is designed to preserve visual acuity by minimizing hypotony and bleb-related complications whilst achieving a desirable postoperative intraocular pressure. A video demonstrating the procedure can be found at: www.duckworth-and-kent.com

Mitomycin-C is not FDA licenced for use in glaucoma surgery.

Professor Peng Tee Khaw

Duckworth & Kent Ltd.
titanium surgical instrument manufacturer

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titanium surgical instrument manufacturer
The scleral flap adjustable sutures allow the tension to be adjusted post operatively through the conjunctiva with specially designed forceps with very smooth edges. The adjustable suture system allows a gradual titration of the intraocular pressure – more gradual than that seen with suture removal or massage.

Video available at www.duckworth-and-kent.com or scan the QR code

Tying the adjustable suture
Khaw Small Conjunctival Clamp

- Holds conjunctiva securely
- Single handed action
- Tip width 4mm

2-686

Khaw Large Conjunctival Clamp

- Holds conjunctiva securely
- Single handed action
- Tip width 12mm

2-687

Ogawa Infusion Cannula, 20 Gauge

- 20 gauge, thin wall, 0.9mm diameter x 4mm length
- Straight shaft, 45° beveled tip
- Silicone tubing and luer fitting supplied

8-616

Khaw Small Descemet's Membrane Punch

- Designed to punch 0.5mm x 0.3mm
- Particularly suited when small sclerostomy required
- Punch action can be repeated to create larger sclerostomy

7-101

Khaw Large Descemet Membrane Punch (7-101) is particularly suited when small sclerostomy required (e.g. thin sclera, small scleral flap)

- Can be used with a short scleral tunnel incision
- Squeeze action handle activates shaft to punch
- Round squeeze handle, length 117mm

7-105

Khaw Small Descemet's Membrane Punch (7-101)

- Designed to punch 0.75mm x 0.5mm
- Can be used with a short scleral tunnel incision

7-102

Khaw Large Descemet Membrane Punch (7-106)

- Designed to punch 1.2mm x 0.7mm

7-105

Khaw Small Descemet Membrane Punch (7-101)

- Designed to punch 1.2mm x 0.85mm
- Overall length 118mm

7-106
If you are interested in any of our product range or have a general enquiry please contact anyone of our dedicated customer service team members who are ready to help.

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DK Retractable Diamond Knife, 1mm 30° Single Edge

- Width 1mm
- Length 3.5mm
- Thickness 0.2mm
- 1mm wide 30° single edge diamond blade
- Retractable long handle, length 124mm

DK Scleral Pocket Knife

- 0.65mm x 1.5mm oval round blade, blade thickness 0.1mm
- 45° angled shaft, tip to angle length 3mm
- Round handle, length 117mm

DK Needle Holder (curved)

- 7mm delicate curved jaws
- Round handle, tag spring
- Length 108mm

Westcott Style Tenotomy Scissors (curved)

- Blunt tips, curved blades
- Cut length 10mm, tip to pivot length 20mm
- Flat handle, length 115mm

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