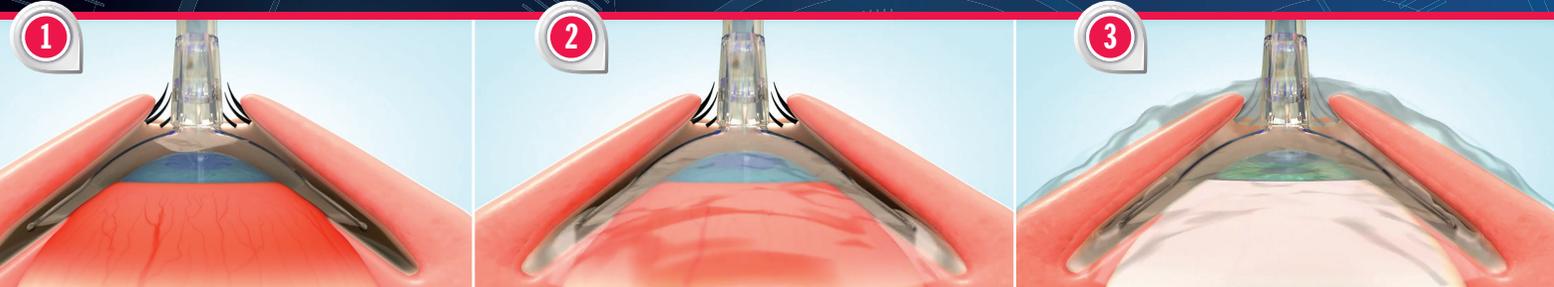


**The Morgan Lens** — used by over 90% of hospitals in the U.S.A. for the emergency treatment of ocular burns (chemical or actinic) or the removal of non-embedded foreign bodies.



1  
Delivers a continuous flow of solution to all regions of the eye and inner eyelids, even if the eyes are tightly closed.

2  
Treatment is underway in less than 20 seconds – simple and straightforward design requires minimal training.

3  
Frees medical staff to treat other injuries or transport the patient without interruption.

**Always start minimal flow BEFORE insertion**

**morganlens.com**

is your site to learn more about emergency ocular irrigation with the Morgan Lens or for general information on ocular irrigation and eye injuries.



**A few words from our customers:**

...equivalent to having an additional staff member, because it frees the RN to do other things while the Morgan Lens system does its job.

*Registered Nurse, Wisconsin*

Patient absolutely could not tolerate the Normal Saline... lactated Ringer's worked like a charm.

*Paramedic, Online*

While transporting him to the dispensary, his eyes were being irrigated.

*Registered Nurse, Maryland*

If I can use it on my own child and trust it, so can anyone!

*Registered Nurse, Kentucky*

...patient is not in any distress and the Morgan Lens is helpful in removing foreign bodies.

*Registered Nurse, New York*

...ease of use...free hands for patient care (instead of needing more hands)...comfort by patients.

*Nurse Educator, Washington*

Excellent device. Atraumatic and well-tolerated – frees up nurse's hands. Efficient always.

*Physician, Canada*

...excellent results in all cases and no adverse effects seen... I believe those eyes would have been lost without continuous irrigation...

*Physician, Italy*



Video and PowerPoint available online or call to order a free copy.

To place an order or to inquire about our training materials, call us toll free at **800-423-8659**.

Ask about quantity discounts.

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**The Morgan Lens**  
MorTan Inc.

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email: [mortan@morganlens.com](mailto:mortan@morganlens.com)



The world's most comfortable, effective and easy-to-use hands-free ocular irrigation system.

**The Morgan Lens**  
MorTan Inc.



**The Morgan Lens, Morgan Lens Delivery Set and the Medi-Duct combine to provide the most effective, hands-free ocular irrigation system available.**



**MT2000**  
The Morgan medi-FLOW® Lens provides hands-free ocular irrigation and/or medication to the cornea and conjunctiva. The Morgan Lens may be left in the eyes for hours, or even days, providing the continuous treatment that is often required for serious chemical burns.

*The Morgan Lens, Morgan Lens Delivery Set, Medi-Duct and MorTan's packaging materials are not made with natural rubber latex.*



**MT202**  
The Morgan Lens Delivery Set® allows the simultaneous irrigation of both eyes. Instead of wasting valuable time and money on separate IV setups, the Morgan Lens Delivery Set may be attached to one or two Morgan Lenses.

*Fluid administration tubing only—lenses not included*



**MT63**  
The Medi-Duct® is an ocular fluid management system designed to make irrigation with the Morgan Lens even more convenient. Its super-absorbent wick carries the irrigation solution away from the patient for easy collection and disposal.

**Morgan® Lens Instructional Chart – for emergency hands-free ocular irrigation**

Instructions for using the Morgan Lens for continuous irrigation or delivery of medication to the cornea and conjunctiva.

<p><b>1</b></p>	<p><b>2</b></p>	<p><b>3</b></p>
<p><b>INSERTION</b> Instill topical ocular anesthetic, <b>if available.</b></p>	<p>Peel open the sterile packaging and attach the Morgan Lens® to the Morgan Lens Delivery Set® (or a fluid administration set or syringe).</p> <p>Using solution of choice*; <b>START A MINIMAL FLOW.</b> This allows Lens to “float” over cornea and sclera.</p>	
<p><b>4</b></p>	<p><b>5</b></p>	<p><b>6</b></p>
<p><b>Have patient look down</b>, insert Morgan Lens under upper lid. <b>Have patient look up</b>, retract lower lid, drop Lens in place.</p>	<p>Adjust flow to the desired rate and absorb outflow with the Medi-Duct®. Tape tubing to the patient's forehead to prevent accidental removal of the Lens. <b>DO NOT RUN DRY.</b></p> <p><b>REMOVAL – CONTINUE FLOW.</b> <b>Have patient look up</b>, retract lower lid — hold position and slide the Lens out. Once Lens is removed, <b>stop the flow of solution.</b></p>	

**Contraindications:** Do not use if there is a protruding foreign body, a penetrating eye injury, or with a suspected or actual rupture of the globe.

Morgan Lens Uses	Solution	Mode with Morgan Lens	Rate	Frequency
Acid burns or other ocular injury due to solvents, gasoline, detergents, etc.	Lactated Ringer's* Solution	Morgan Lens Delivery Set or I.V. set-up	500 ml rapid/free flow. Reassess and continue at slower rate.	Once. Repeat as necessary. Continuous until pH of cul-de-sac is returned to normal (approximately 7.0 to 7.3). Repeat as necessary.
Alkali burns	Recommended due to pH: LR 6.0 to 7.5 NS 4.5 to 7.0	Morgan Lens Delivery Set or I.V. set-up	2000 ml rapid/free flow. Reassess. Continue at 50 ml/hour or 15 drops/minute.	
Non-embedded foreign bodies		Morgan Lens Delivery Set or I.V. set-up	500 ml rapid/free flow. Reassess and continue at slower rate.	Once. Repeat as necessary.
Foreign body sensation with no visible foreign body	20 cc sterile solution	20 cc syringe	Slowly without force.	Once. Repeat once if necessary.
Routine pre-operative	10 cc of preferred ocular antiseptic	10 cc syringe	Slowly without force.	Once.
Eyelid surgery (protecting the cornea during eyelid surgery)	Lactated Ringer's* Solution	Morgan Lens Delivery Set or I.V. set-up	4 drops/minute.	During entire procedure.
Severe infection	Lactated Ringer's* Solution with suitable antibiotic and steroid**	Morgan Lens Delivery Set or I.V. set-up	50 ml/hour or 15 drops/minute.	Continuous for 70 hours, then 10-hour intervals until marked improvement.

Experts recommend continuous irrigation until the pH returns to normal – approximately 7.0-7.3. After 10 minutes, recheck pH and repeat process if necessary. When irrigation is complete, dispose of Lens properly.

\*MorTan recommends lactated Ringer's because its pH level of 6.0 to 7.5 is much closer to tears (approximately 7.1) than Normal Saline (4.5 to 7.0). Also, the lactate ion in lactated Ringer's exhibits a buffering capacity, returning the pH of either an acid or a base to neutral much more rapidly than a solution (such as saline) without any buffering capacity.

\*\*Use with antibiotics and steroids only when indicated.