

Clearly, the most  
comfortable, effective  
and easy-to-use  
ocular irrigation system.

Akies irigacijos sistema

The Morgan<sup>®</sup> Lens  
 MorTan<sup>®</sup> Inc.

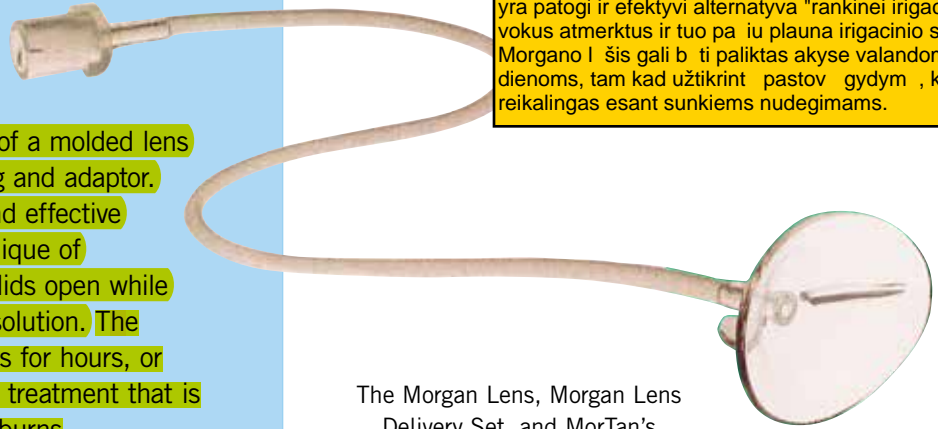
[www.morganlens.com](http://www.morganlens.com) • 800-423-8659

The Morgan Lens is the most effective method for treating ocular trauma. Widely used by physicians, nurses and other medical personnel for emergency eye irrigation, the Morgan Lens can deliver a continuous flow of solution to the injured eye, within seconds, freeing medical staff to treat other injuries or to transport the patient without interruption.

**MT6673**

### **Morgan mor-FLEX® Lens**

The Morgan Lens provides ocular irrigation and/or medication to the cornea and conjunctiva. It consists of a molded lens with directional fins, attached tubing and adaptor. The Morgan Lens is a convenient and effective alternative to the conventional technique of "manual irrigation": holding the eyelids open while flushing with a stream of irrigating solution. 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.



Morgano l šis skirtas akies irigacijai ir/ar ragenos ir jungin s medickamentiniam gydymui. J sudaro išlietas l šis su kryptiniais "pelekais", vamzdeliu ir adapteriu. Morgano l šis yra patogi ir efektyvi alternatyva "rankinei irigacijai": palaiko vokus atmerktus ir tuo pa iu plauna irigacinio skys io srove. Morgano l šis gali b ti paliktas akyse valandoms ar net dienoms, tam kad užtikrint pastov gydym , kuris dažnai reikalingas esant sunkiems nudegimams.

The Morgan Lens, Morgan Lens Delivery Set, and MorTan's packaging are all LATEX FREE.



**MT202**

### **The Morgan Lens Delivery Set®**

The Morgan Lens Delivery Set makes using the Morgan Lens even easier by allowing 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. Within seconds, relief is on its way to your patient, allowing the assessment and treatment of other injuries while ocular therapy is underway.



**MT63**

### **The Medi-Duct®**

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. For best results, tape the Medi-Duct to the head in the position shown here. This ensures the Medi-Duct can absorb the outflow.

The Morgan Lens, Morgan Lens Delivery Set and Medi-Duct from MorTan combine to provide the most effective ocular irrigation system.

[www.morganlens.com](http://www.morganlens.com)

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

A sampling of what you can find at [www.morganlens.com](http://www.morganlens.com) is shown below.

## Abstracts and reviews

**Prompt Irrigation of Chemical Eye Injuries May Avert Severe Damage**  
*Occupational Health & Safety*

**The Tolerability of Lactated Ringer's Solution and BSS Plus for Ocular Irrigation with and without the Morgan Therapeutic Lens**  
*Academic Emergency Medicine*

**Go With the Flow During an Eye Emergency**  
*Nursing 2000*

**Foreign Body Removal Made Easy**  
*Optometry Today*

**Managing Chemical Injuries**  
*Optometric Management*

**Morgan Lens Safe and Effective for Long-term Use in Corneal Infections**  
*Ocular Surgery News*

See more abstracts and reviews at [www.morganlens.com](http://www.morganlens.com)

## Protocols from institutions around the world

Centers for Disease Control and Prevention (CDC)

U.S. Department of Health and Human Services, Public Health Service

Emergency Nurses Association (ENA)

National EMS Scope of Practice

Massachusetts Department of Public Health, Office of Emergency Medical Services

Middlesex Hospital Paramedic Program (Connecticut)

Broward County Regional EMS Council (Florida)

University of South Alabama College of Nursing

NSW (Australia) Department of Health  
Children's Emergency Care Alliance

## A few words from our customers

"Each time a patient is suddenly presented with a chemical or other toxic eye exposure, it is immediately apparent there is simply no substitute for this product. I have come to depend on this landmark device. It's especially appreciated when caring for young children."  
*Physician, California*

"On many occasions, in cases of endophthalmitis, panophthalmitis, Stevens-Johnson Syndrome, corneal abscess, and alkali burns, I have used the Morgan Lens for continuous irrigation for seven to ten days, removing only long enough to examine the eyes."  
*Loran B. Morgan, M.D.*

"Particularly in the burn patient, the soothing effect and the ability to prevent infection and further injury make the Morgan Lens a valuable asset. It does exactly what it's supposed to do."  
*Registered Nurse, Montana*

"The Morgan Lens system is often 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*

It's efficient for the nurse and effective and comfortable for the patient.  
*ED Educator, Florida*

...we don't give out recommendations... but we have been so happy with the Morgan Lens.  
*Physician-Ophthalmologist, Norway*

...conjunctivitis resolved nicely without sequelae  
*Physician, Virginia*

Exceptional ease of use...  
*Physician, Virginia*

While transporting him to the dispensary, his eyes were being irrigated.  
*Registered Nurse, Maryland*

The patient tolerated the entire procedure very well... The patient had a full recovery with no complications thanks to the availability and efficiency of the Morgan Lens system.  
*Registered Nurse, New Hampshire*

...could not effectively irrigate his eyes with IV tubing...  
*Physician, New York*

...patient is not in any distress and the Morgan Lens is helpful in removing foreign bodies.  
*Registered Nurse, New York*

To my great astonishment, the eye today had quieted down, the patient was without any pain, and the panophthalmitis seems to have disappeared to a large extent.  
*Physician-Ophthalmologist, Switzerland*

...ease of use...free hands...comfort by patients  
*Nurse Educator, Washington*

...the patients are always significantly improved...  
*Physician, Mississippi*

...speed and efficiency...beneficial to both patients and staff  
*Registered Nurse, New Mexico*

...minimizes the frustrations that accompanied irrigations...  
*Registered Nurse, Massachusetts*

## Books recommending the use of the Morgan Lens

**Clinical Ophthalmology**  
(Harper & Row)

**Management of Ocular Injuries and Emergencies**  
(Lippincott-Raven)

**Manual of Emergency Medicine**  
(Lippincott, Williams & Wilkins)

**Emergency Response and Patient Care**  
(Prentice Hall)

**Emergency Nursing-Principles and Practice**  
(Mosby)

**Flight Nursing-Principles and Practice** (Mosby)

**Nursing Procedures**  
(Springhouse Corporation)

**Manual of Clinical Trauma Care**  
(Mosby)

**Nursing Photobook Annual**  
(Springhouse Corporation)

**Textbook of Medical-Surgical Nursing**  
(J.B. Lippincott)

**Biomedical Foundations of Ophthalmology**  
(Harper & Row)

**Ocular Therapeutics and Pharmacology** (Mosby)

**Injuries of the Eye, the Lids, and Orbit**  
(W.B. Saunders)

**The Chemically Injured Eye**  
(Ophthalmology Society of the U.K.)

**Goldfrank's Toxicological Emergencies**  
(Appleton & Lang)

**Disaster Medicine**  
(Lippincott, Williams & Wilkins)



# Morgan Lens Instructional Chart

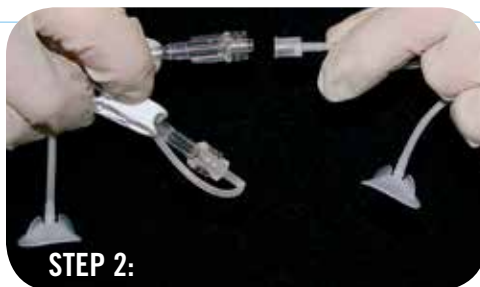
Instructions for using the Morgan Lens for continuous medication or lavage to the cornea and conjunctiva.



**STEP 1:**

## INSERTION

Instill topical ocular anesthetic, if available.



**STEP 2:**

Attach a Morgan Lens Delivery Set (or a syringe or an I.V. set-up) using solution and rate of choice; **START FLOW.\***



**STEP 3:**

Have patient look down, insert Morgan Lens under upper lid. Have patient look up, retract lower lid, drop lens in place.



**STEP 4:**

Release the lower lid over Morgan Lens; adjust flow. Tape tubing to patient's forehead to prevent accidental lens removal. Absorb outflow with the Medi-Duct (for best results, tape to head as shown). **DO NOT RUN DRY.**



**STEP 5:**

## REMOVAL

**CONTINUE FLOW.** Have patient look up, retract lower lid—hold position.



**STEP 6:**

Slide Morgan Lens out. **TERMINATE FLOW.**

## Morgan Lens Uses

	Solution	Mode with Morgan Lens	Rate	Frequency
Ocular injury due to acid burns or 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.
Alkali burns	Lactated Ringer's** Solution	Morgan Lens Delivery Set or I.V. set-up	2000 ml rapid/free flow. Reassess. Continue at 50 ml/hour or 15 drops/minute.	Continuous until pH of cul-de-sac is returned to neutrality.
Non-embedded foreign bodies	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.
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	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.

\*Allows Lens to "float" over cornea and sclera.

\*\*MorTan recommends Lactated Ringer's because the pH level of 6.0 to 7.5 is much closer to tears (approximately 7.1) than Normal Saline (4.5 to 7.0). In addition, preliminary data shows that 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 only when indicated.

Quality Certified: ISO 9001 & 13485



Call toll free to place an order or inquire about our training materials.  
1-800-423-8659

**The Morgan® Lens**  
**MorTan® Inc.**  
An ISO Registered Company

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email: mortan@morganlens.com



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