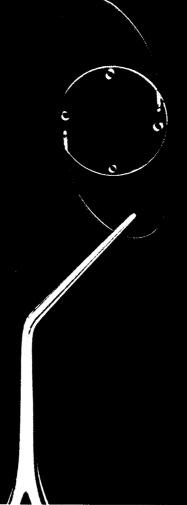
# The Modified J-Loop posterior chamber lens from Cilco.



Cilco's SK20/21 lens is lathe cut from Perspex® CQ polymethylmethacrylate, the intraocular lens material providing a 30-year history of evaluation in the eye. All surfaces, even the tips of the



Scanning electron micrographs taken by Alan F. Pooley, Ph.D., Peabody Museum, Yale University

Prolene™ loops, are polished to absolute smoothness by proprietary procedures. The scanning electron micrographs shown here demonstrate just how smooth the Cilco lens edge and loop tips are. Please contact your Cilco office for additional information

or videotape on implantation.

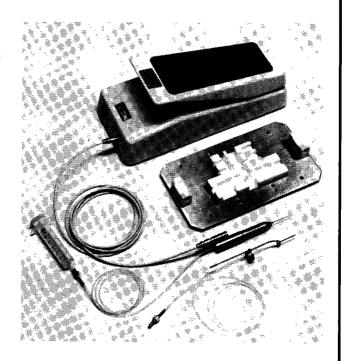
U.K., Ireland and Scandinavia: CILCO, Inc., 3 Waterdene House, Water Lane, Leighton Buzzard, Bedfordshire LU77AW, England • Telephone: (0525) 381122; U.S.A.: CILCO, Inc. 1616 13th Avenue, Box 1680, Huntington, W.V 25717 • Telephone: 304-697-4422; Australia • Canada • Europe, Middle East and Africa • Japan and Korea • Latin America • W. Germany.

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From anterior microsegment surgery to pars plana vitrectomy. Ready for immediate use with a wide range of applications. The 20 gauge Klöti handpiece provides positive reciprocating cutting characteristics.

The instrument is operated by a foot pedal, powered by a rechargeable battery, eliminating the need for mains power during surgery.

Proportional control of cutting frequency is ensured. Illumination may be either by fibre optic coaxial with cutter or by separate 20 gauge probe.







# SURGITEK® OPTIKON®

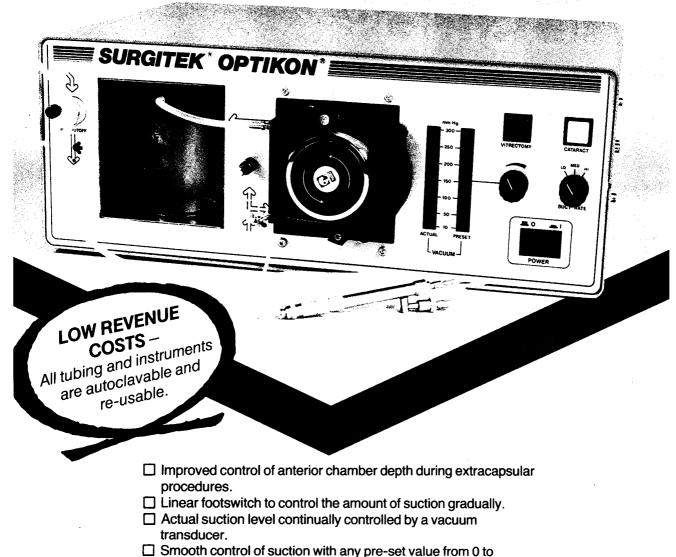
An ideal aspiration/irrigation unit for extracapsular procedures

300mmHG.

footswitch.

☐ Suction can be inverted (reflux).

The Surgitek unit has a unique flow control to maintain the anterior chamber depth during extracapsular procedures. A transducer constantly measures the suction level and the linear foot control allows the surgeon to increase the amount of suction gradually. A venting system automatically prevents increase of suction above the pre-set level. Infusion can be controlled by the footswitch and if necessary the operator can reverse the suction to avoid unwanted aspiration of tissue.





☐ Simultaneous irrigation/aspiration, or irrigation only controlled by

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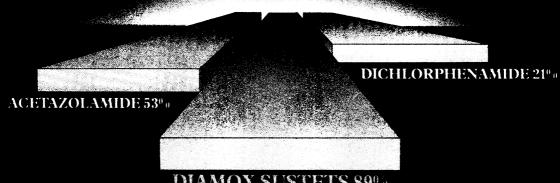
See and use the Keeler Colour Video Indirect at O.S.U.K. (11th, 12th & 13th April).



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Diamox Sustets – sustained release acetazolamide has a far longer duration of effect in glaucoma than any other treatment. Diamox Sustets provides smooth and predictable control of intraocular pressure – with significant reduction in the adverse effects associated with systemic therapies for this condition.

Diamox Sustets, with a simple b.d. dosage is well accepted by patients...



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... and physicians, alike.

Eighty-nine percent of the patients tolerated acetazolamide sustained release capsules.'

"Acetazolamide sustained release [Diamox Sustets] therapy seems the regimen most readily accepted, involving least amount of subjective intolerance and a prolonged effect most desirable for round-the-clock control".1

acetazolamide

### CTREATMENT FOR GLAUCOMA DEIE SYSTIEM

INDICATIONS Glaucoma DOSAGE Adults: One capsulcat night and in the morning. Contra-indications: Idiopathic renal hyperchloraemic acidosis. Addison's disease or all types of suprarenal gland failure. Long-term administration in patients with chronic congestive angle-closure glaucoma. Precautions: The patient should be cautioned to report any unusual skin rash. Periodic blood cell counts are recommended. The transitory loss of hearing calls for immediate cossation of medication. Side-effects: Drowsiness, paraesthesia of extremities and face may occur. Diamov is a sulphonamide derivative and therefore some side-effects similar to flose caused by sulphonamides have occasionally been reported. Drug interactions: Possible potentiation of the effects of folic acid antagonists, hypoglycaemics and oral anticoagulants may occur. Package quantities: Transparent orange capsules each contaming 500mg of acetazolantide and printed? Lederle 4 309° in bottles of 30,100 and 500. Basic N.H.S. cost. £27.53 per 100. PL.0095/5074.

\*Trademark References: L.Garner, E.L. et al, Amer. J.Ophthalmol, 1963, 55, 23, 323-327. 2.Lachter, P.R. et al, Amer. J.Ophthalmol, 1978, 85, 42, 495-502.

Rederle Laboratories. A division of Cyanamid of Great Britain Limited. Farcham Road, Gosport, Hampshire POI 30AS. Tel.no.(0329) 236131.

# Tobramycin 0.3% Ophthalmic Solution



# Your Logical Choice for Ocular Infections

More ocular pathogens are sensitive to Tobralex...than to other ophthalmic antiblotics.

- 95%
   effectiveness in a wide range of external ocular infections<sup>1, 2</sup>
- bactericidal action with low potential for developing bacterial resistance
- □ well tolerated and highly comfortable for patients<sup>3</sup>
- ☐ few adverse reactions (less than 3%)⁴

# Alcon

Alcon Laboratories (U.K.) Ltd., Imperial Way, Watford, Herts.

\*International trademark TOBREX

Presentation: A sterile, colourless to very pale yellow ophthalmic solution containing Tobramycin BP 0.3% w/v. preserved with 0.01% Benzalkonium Chloride BP, packed in 5 ml Drop-Tainers. Uses: Tobramycin is an aminoglycoside antibiotic active against a wide variety of Gram-negative and Gram-positive ophthalmic pathogens. Tobralex (tobramycin) Serile Ophthalmic Solution is a bacterial topical antibiotic indicated in the treatment of external bacterial conditions of the eye and its appendages. The spectrum of activity covers a wide range of Gram-positive organisms and many Gram-negative organisms. A significant bacterial population resistant to tobramycin has not yet been reported. However, there is the possibility that bacterial resistance may develop following prolonged use. Dosage and Administration: Adults and children: In mild to moderate cases instill one or two drops into the affected eye every four hours. For severe infections, instill two drops into the eye hourly until there is an improvement and then reduce treatment, prior to discontinuation. Contra-indications, warnings, etc. Contra-indications: Persons with known sensitivity to tobramycin or gentamicin. Warnings: Sensitivity may occur in some patients. If so, discontinue use. Transient imitation may occur with some susceptible patients. Tobralex ophthalmic solytion is not for injection. Precautions: As with other antibiotics, prolonged use may result in the overgrowth of non-susceptible organisms, including fung. If super-infection occurs, appropriate therapy should be initiated. Pharmaceutical Precautions: Store at 8°C to 25°C. Do not freeze. Keep the container tightly closed and out of the reach of children. Discard contents one month after opening. Sterile until opened. Legal Category: POM Package quantity: 5 ml in Drop-Tainer dispensers. Further Information: Totralex eye drops are contained in an unbreakable semingrial plastic dropper bottle with screw-on-cap containing 5 ml of the preparation. Product License No.: 0449/0044 Product License Hold

# When real tears don't come easily...





Turnpike Road, Cressex Industrial Estate, High Wycombe, Bucks. HP12 3NR.

Presentation: Clear, colourless to slightly straw coloured strile, aqueous ophthalmic solution, containing polyvinyl alcohol 1.4%. User, For dry eyes, especially where natural mucus is absent, or deficient, also an ocular lubricant. Doage and administration. I drop in the eye as needed, or as directed. Contro-indications, warnings etc. Not for use with soft contact lenses. I first it attain increases or persists, discontinue use. Pharmaceutical precautions mil. I gad category. P. Packaging quantities: Liquifilm Tears is available in plastic dropper bottles containing 15ml. Further information: nil. Basic NHS cost (as at January 1984). £1.33. Pt. 0426/0009. Further information is available on request.

LACRI-LUBE Presentation: Sterile, bland, non-medicated ointment for topical administration to humans, containing white petrolatum mineral oil, non-ionic lanolin derivatives with chlorobutanol 0.5% as a preservative. Use: Useful as adjunctive therapy to lubricate and protect the eye in conditions characterised by exposive keratitis, decreased corneal sensitivity, recurrent corneal erosions, and keratitis sicca. Dosage and Administration: For topical administration. Pull lower lid down to form pocket. Apply small amount as needed. Contra-indications, etc. No known contra-indications. Pharmaceutical precautions: Store away from heat. To avoid contamination during use, do not touch tip to any surface. Logal Category. Package Quantities: Available in 3.5g ophthalmic tubes. Basic NHS cost (as at January 1984) LTo. P.D. 426/00041. Further information is available on request.

# GLAUCOMA. What is the best measure of successful control over time?

'Since the aim of treatment is to prevent loss of visual field, any definitive assessment of therapeutic benefit should logically be based on field survival.'

TIMOPTOL is already renowned for its efficacy in controlling IOP. However, a recent three-year study¹ found that not only was therapy with TIMOPTOL associated with sustained IOP reductions of 24.3 to 34.5%, but that the majority of those treated, who were monitored for field survival, showed no significant field loss. This adds significant weight to the case for long-term use of TIMOPTOL.

Patients find the simple 'one drop' b.d. dosage convenient and easy to remember. In fact, recent research has demonstrated that compliance may be substantially improved by choosing a drug that needs to be taken less often than three times daily.<sup>2,3</sup>

Increased compliance means more chance of effective 24-hour control, of particular importance in view of the diumal variations in IOP

> which may be as great as 11 mm Hg.4

Over a one-year period TIMOPTOL has been shown to significantly reduce diurnal variations, levelling out the potentially damaging pressure peaks.

Because all of these benefits are achieved generally without the familiar hardships of 'the miotic life' such as blurring of vision, pinpoint pupil and ocular irritation, TIMOPTOL has been described as '... one of the most significant advances in the topical treatment of chronic openangle glaucoma...'<sup>5</sup>

Ophthalmic Solution

Timology Timology MSD

Timology MSD

# For effective control from every point of view







ABRIDGED PRODUCT INFORMATION Full prescribing information is available on request and should be consulted before prescribing.

Elevated intra-ocular pressure including: ocular hypertension, chronic open-angle glaucoma (including aphakia);

# secondary glaucoma. DOSAGE AND ADMINISTRATION

Usually one drop 0.25% solution in affected eye twice a day. If necessary change to one drop 0.5% solution twice a day. CONTRA-INDICATIONS

Bronchospasm, bronchial asthma, chronic obstructive pulmonary disease. Uncontrolled cardiac failure. Hypersensitivity.

### PREGNANCY

Not studied; weigh benefit against possible hazards.

**PRECAUTIONS** 'Timoptol' may be absorbed systemically.

Known contra-indications to systemic use of beta-blockers require caution. These include sinus bradycardia, greater than first-degree block; cardiogenic shock; diabetes. Cardiac failure should be adequately controlled before prescribing. History of severe cardiac disease requires monitoring for cardiac failure and checking of pulse rates. There have been reports of skin rashes and/or dry eyes associated with beta-blocking drugs; discontinuation should be considered.

Patients receiving a beta-blocker orally and 'Timoptol' may experience an additive effect on IOP or on known systemic effects of beta-blockade.

Mydriasis resulting from use of 'Timoptol' with adrenaline reported occasionally.

Children

Not currently recommended.

### SIDE EFFECTS

Ocular irritation, including conjunctivitis, blepharitis, and keratitis, reported occasionally. Visual disturbances reported infrequently. Rash and urticaria reported rarely. Certain cardiovascular, pulmonary and other disorders reported, including bradyarrhythmia, hypotension, syncope, and bronchospasm. Respiratory failure, congestive heart failure and, in diabetics, masked symptoms of hypoglycaemia reported rarely. Slight reduction in resting heart rate observed.

Rare effects reported are aphakic cystoid macular oedema, headache, dry mouth, anorexia, dyspepsia, nausea, dizziness, CNS effects, palpitation, and hypertension.

### **BASIC NHS COST**

0.25% Ophthalmic Solution Timoptol, £5.18 per 5 ml pack. 0.5% Ophthalmic Solution Timoptol, £5.82 per 5 ml pack.

# PRODUCT LICENCE NUMBERS

0.25% Ophthalmic Solution 'Timoptol,' 0025/0134 0.5% Ophthalmic Solution 'Timoptol,' 0025/0135. Issued October 1983

### @ denotes registered trademark

### REFERENCES

- Sponsel, W.E., et al., Brit. J. Ophthal., 1983, 67, 220.
   Norell, S. E., Amer. J. Ophthal., 1981, 92, 727.
   MacKean, J. M., and Elkington, A. R., Brit. J. Ophthal.,
- 1983, 67, 46.
- Reynolds, P.M., Glaucoma, 1982, 262. 5. Willcockson, J., and Willcockson, T., Glaucoma, 1982, 155.





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Candidates are asked to indicate the nature of ophthalmic research which they would propose to undertake.

The value of the Fellowship will be up to £12,000 for the year according to the experience of the successful candidate. Candidates will be expected to have completed their basic ophthalmic training and to be of senior registrar status, or research workers of similar status.

Application forms and further details are obtained from and should be returned to the House Governor, Moorfields Eve Hospital, City Road, London EC1V 2PD by the 25th May 1984.

# PROJECT ORBIS **International Flying Teaching Ophthalmic Hospital**

Requires:

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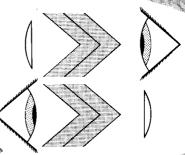
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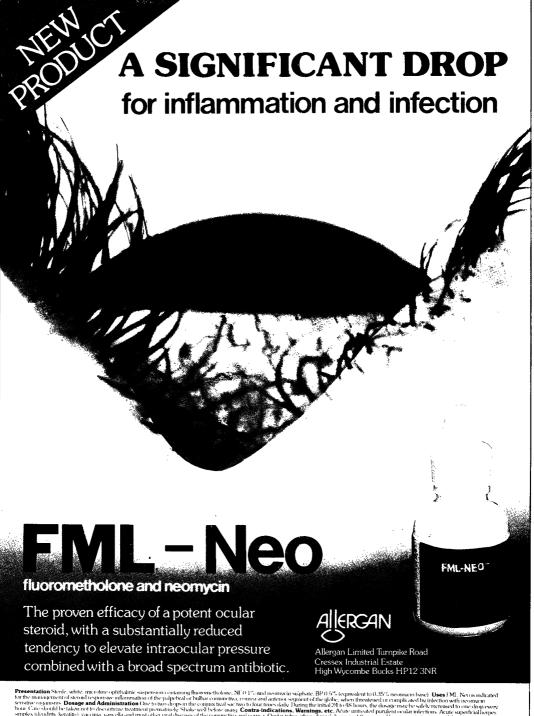
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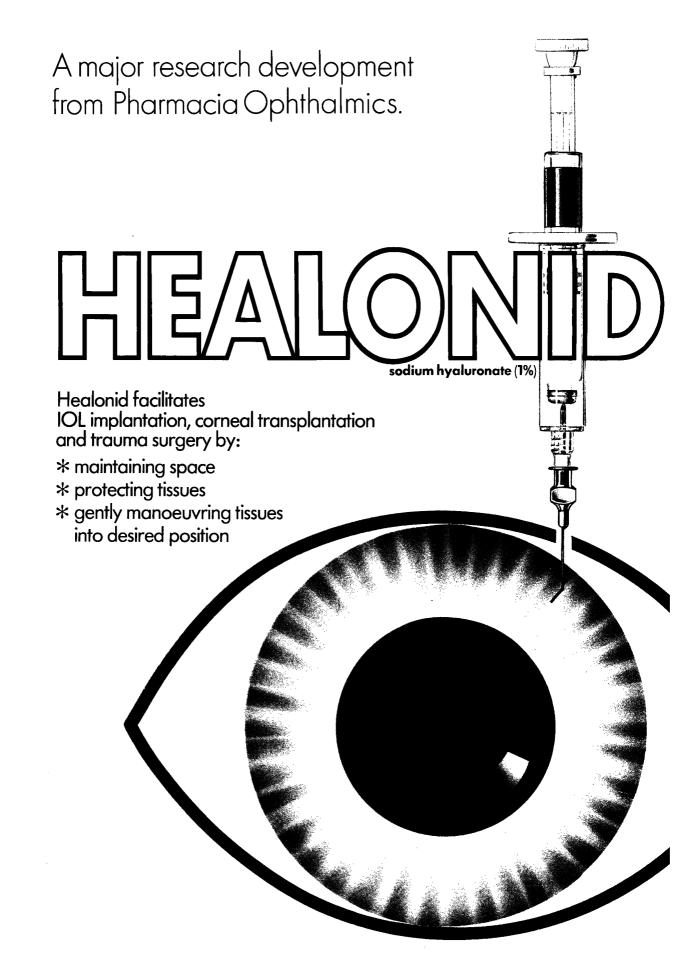
New clinical evidence has indicated that Opticrom is equally effective as steroids in treating allergic conditions such as V.K.C. And it doesn't cause a rise in intraocular pressure. (1) (2)

This is because Opticrom has been specifically formulated to provide both symptomatic and preventative treatment for type 1 reactions. It's fast and effective because it stabilizes mast cells

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Sodium Cromoglycate B.P. preventing degranulation, the release of vasoactive FAST AND TO THE POINT.

PRESENTATIONS: Eye Drops containing 2% Sodium Cromoglycate in aqueous solution. Eye Olatment is a cream coloured opaque sterile ointment containing 4% Sodium Cromoglycate. INDICATIONS: Opticrom is for the relief and treatment of acute or chronic allergic conjunctivitis and wernal kerato conjunctivitis. DOSAGE & ADMINISTRATION: Eye Drops—One or two drops into each eye four times daily. Eye Olatment: To be applied to the eye two to three times daily. Eye Drops—A known hypersensitivity to benzalkonium chloride. At with all Ophthalmic preparations containing benzalkonium chloride, patients are advised not to wear soft contact lenses during the treatment period. Eye Olatment: 64-63 per 59m thorist period. Eye Olatment: 64-63 period.



# Healoni

Healonid is a pure high molecular weight fraction of sodium hyaluronate, with viscoelastic properties that make it a unique and valuable aid to many ophthalmic surgical procedures. Injected into an open anterior chamber, it restores and maintains chamber depth to ease surgical manipulation and provides mechanical protection to delicate cells and tissues. Healonid causes no intraocular inflammation and has been described as offering the ophthalmic surgeon "...advantages and safety margins not available with any other known technique." Pape & Balazs (1980) Ophthalmology, 87, 7, 699.

### PRESCRIBING INFORMATION

Disposable 0.4 ml syringes containing 1% sodium hyaluronate in aqueous buffer. USES

Sodium hyaluronate is a visco-elastic polymer normally found in the aqueous and vitreous humour. HEALONID, which contains sodium hyaluronate is a highly viscous clear solution at rest, yet it will readily flow through a fine cannula or needle under pressure. Introduction of HEALONID into the anterior or posterior chamber keeps tissues separated during the operative procedure and protects them from trauma from other tissues or instruments. The anterior chamber depth is maintained, vitreous bulge can be reduced, and the loss of irreplaceable endothelial cells which inevitably accompanies surgery can be greatly reduced.

INDICATIONS

Surgical procedures on the eye, including intraocular lens insertion, intra and extra capsular lens extraction, glaucoma surgery, corneal graft, surgery for accidental trauma, retinal detachment and vitreal replacement procedures.

occidental trauma, refinal defocmment and virteal replacement procedures. DOSAGE AND ADMINISTRATION

The syringe is assembled and made ready for use according to the instruction sheet with each syringe.

The indication for use will govern the timing and quantity of HEALONID used. See Data Sheet or HEALONID monograph.

**PRECAUTIONS** 

The anterior chamber should not be over-filled with HEALONID, except in glaucoma surgery. At close of surgery some of the HEALONID should be removed by irrigation or aspiration. Intraocular pressure should be monitored during the post operative period and any excessive rises treated with appropriate therapy.

CONTRA-INDICATIONS, WARNINGS

There are no known contra-indications to HEALONID. Because the drug is extracted from avian tissues, despite rigorous purification procedures in amounts of protein are present, and thus the remote possibility of idiosyncratic reactions remains.

ADVERSE REACTIONS

The drug is very well tolerated and the only untoward effect reported has been a transient rise in intraocular pressure in a few cases.

PHARMACEUTICAL PRECAUTIONS

Store at 2–8℃ protected from light and freezing. Shelf life 3 years.

LEGAL CATEGORY POM.
PACKAGING QUANTITIES AND BASIC NHS PRICE (May 1983) Disposable syringes containing 0.4 ml. £26.76 each

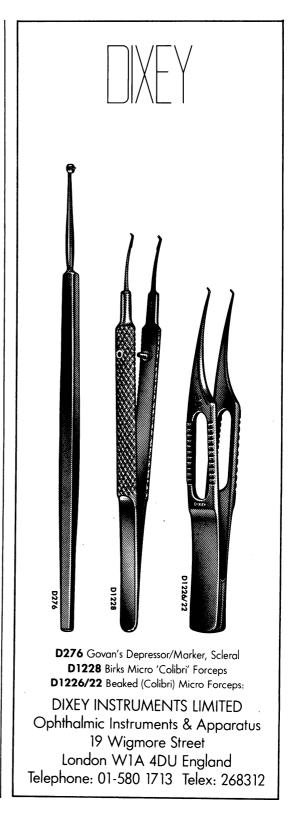
FURTHER INFORMATION

HEALONID does not interfere with the healing process. Its use may reduce incidence of synechiae and adhesions. Evidence from animal experiments indicates that HEALONID is no longer present in the anterior chamber six

PRODUCT LICENCE NUMBER 0009/0045.



Healonid (regd) sodium hyaluronate (1%) is a product of Pharmacia (Great Britain) Limited, Pharmacia House, Midsummer Boulevard, Milton Keynes, MK9 3HP. Telephone (0908) 661101. Further information is available on request to the company.





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for the reversal of sympathomimetic mydriasis

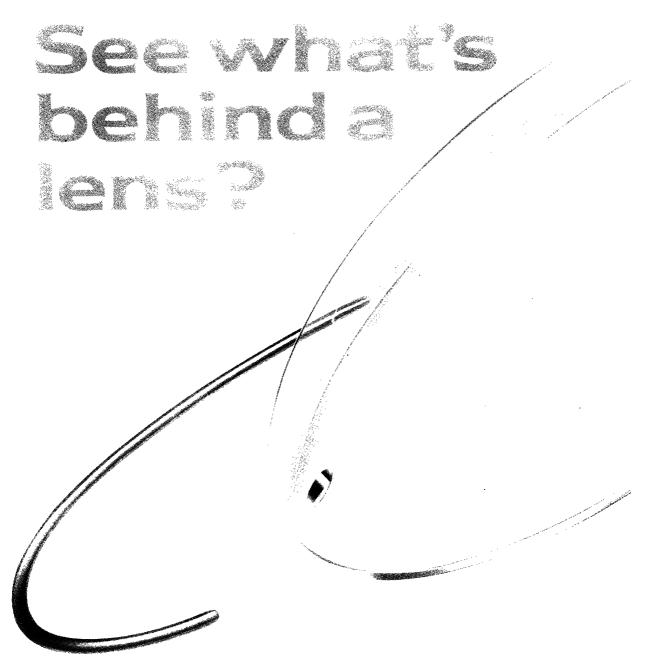
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# Healonid®

Healonid is a pure high molecular weight fraction of sodium hyaluronate, with viscoelastic properties that make it a unique and valuable aid to many ophthalmic surgical procedures. Injected into an open anterior chamber, it restores and maintains chamber depth to ease surgical manipulation and provides mechanical protection to delicate cells and tissues. Healonid causes no intraocular inflammation and has been described as offering the ophthalmic surgeon "...advantages and safety margins not available with any other known technique." Pape & Balazs (1980) Ophthalmology, 87, 7, 699.

### PRESCRIBING INFORMATION

PRESENTATION Disposable  $0.4\,\mathrm{ml}$  syringes containing  $1\,\%$  sodium hyaluronate in aqueous buffer. USES

Sodium hyaluronate is a visco-elastic polymer normally found in the aqueous and vitreous humour. HEALONID, which contains sodium hyaluronate is a highly viscous clear solution at rest, yet it will readily flow through a fine cannula or needle under pressure. Introduction of HEALONID into the anterior or posterior chamber keeps tissues separated during the operative procedure and protects them from trauma from other tissues or instruments. The anterior chamber depth is maintained, vitreous bulge can be reduced, and the loss of irreplaceable endothelial cells which inevitably accompanies surgery can be greatly reduced. INDICATIONS

Surgical procedures on the eye, including intraocular lens insertion, intra and extra capsular lens extraction, glaucoma surgery, corneal graft, surgery for accidental trauma, retinal detachment and vitreal replacement procedures. DOSAGE AND ADMINISTRATION

The syringe is assembled and made ready for use according to the instruction sheet with each syringe.

The indication for use will govern the timing and quantity of HEALONID used. See Data Sheet or HEALONID monograph.

**PRECAUTIONS** 

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CONTRA-INDICATIONS, WARNINGS

There are no known contra-indications to HEALONID. Because the drug is extracted from avian tissues, despite rigorous purification procedures minute amounts of protein are present, and thus the remote possibility of idiosyncratic reactions remains.

ADVERSE REACTIONS

The drug is very well tolerated and the only untoward effect reported has been a transient rise in intraocular pressure in a few cases.

PHARMACEUTICAL PRECAUTIONS

Store at 2-8°C protected from light and freezing. Shelf life 3 years.

LEGAL CATEGORY POM.

PACKAGING QUANTITIES AND BASIC NHS PRICE (May 1983) Disposable syringes containing 0.4 ml. £26.76 each.

FURTHER INFORMATION

HEALONID does not interfere with the healing process. Its use may reduce incidence of synechiae and adhesions. Evidence from animal experiments indicates that HEALONID is no longer present in the anterior chamber six days after introduction.

PRODUCT LICENCE NUMBER 0009/0045



# Just published

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This authoritative and highly readable account of the little known speciality of aviation medicine will interest both general readers and those interested in it as a career. Comprehensive information on the management of airline passengers with particular medical conditions before, during, and after flight will help doctors faced with deciding whether or not their patient is fit to fly and with coping with a medical emergency in the air while themselves passengers on board an aircraft. The chapters on the problems of altitude, acceleration, the function of the special senses in flight, special forms of flight, and aviation psychology describe clearly and precisely the physiological and behavioural effects that flight imposes on man.

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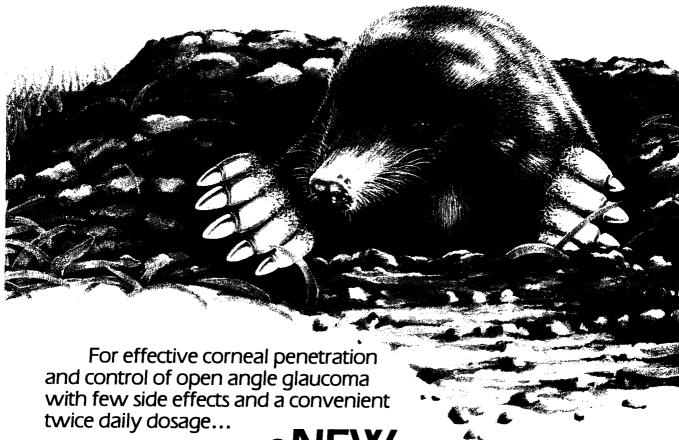
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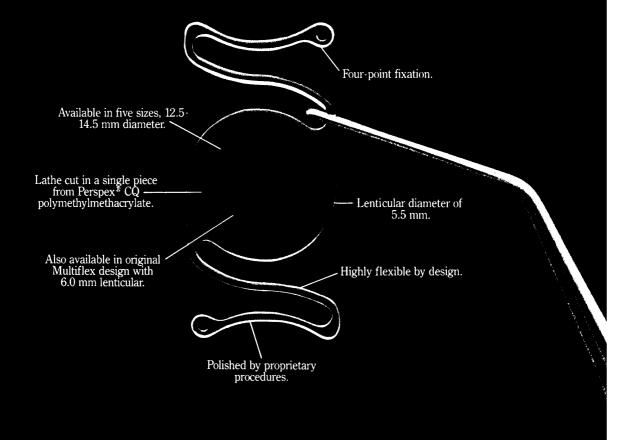
# Full prescribing information is available on request

Presentation: Senie ophthalmic solution containing dipiverin hydrochloride (0.1%). Uses: For the control of intraocular pressure in chronic open angle glaucoma or ocular hypertensive patients with anterior chamber open angles. Dosage and Administration: The usual dosage is one drop in the affected eyels) every 12 hours. Contra-indications, Warnings, etc: Use in pregnancy — the safety of the intensive or protracted use of dipiverin during pregnancy has not been substantiated. Contra-indications — patients suffering from closed angle glaucoma. Precautions — dipiverin should be used with caution in patients with narrow angles since dilation of the pupil may trigger an attack of angle closure glaucoma. Macutar oedema is a fare occurrence with adrenaline use in abplake patients. Prompt reversal generally follows discontinuance of the drug. Macutar oedema with dipiverini does present as a possibility in the aphakic patient. Adverse reactions. Rebound association and allergic blepharoconjunctivitis are rarely observed following the transion synaline. Adverse reactions reposits have been used successfully in patients who have demonstrated such intolerance to adrenaline. Adversor-home deposits have been rarely observed following the use of dipiverinin. Very slight transitory stinging may occur upon instillation in is some patients. This product contains beroalkonium chloride and should not be used in conjunction with soft contact lenses. Pharmaceutical Precautions: Store at a temperature of 4 - 23°C; however, it can be stored for up to 30°C for a short period of time (a few days), Legal Category: POM. Package Quantities: Supplied in plassic dropper bottles containing 10m. Basic NHS Cost; (as at February 1984) £4.65. Pt. 0426/0040.

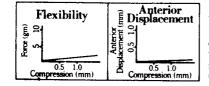
Allergan Allergan Limited. Turnpike Road, Cressex Industrial Estate, High Wycombe, Bucks. HP12 3NR



# The Kelman Multiflex\*II anterior chamber lens from Cilco.



\*U.S. Patent no. 4,174,543



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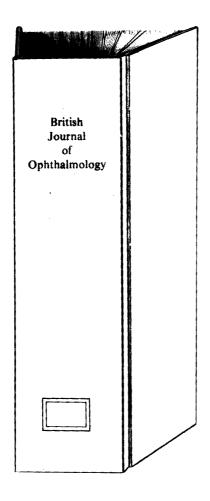
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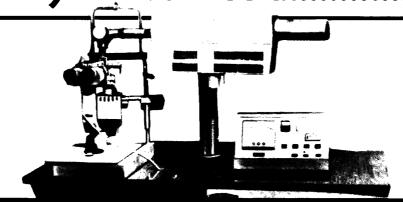
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