

Seneca College Audio-Visual Services Recommended Video List For:

## Opticianry

To find other items in this subject area in the online catalogue, use the following headings:

Contact Lenses  
Eyeglass frames  
Optics

Eyeglasses  
Lenses Opticianry  
Optometry

### All about base curves

RE951 .I57 no.3

30 minutes

Takes a close look at the curvature of ophthalmic lenses. To understand the limits on the curvature imposed by good optics, we first examine the kinds of aberrations found in all lenses and how they relate to ophthalmic optics.

### Basic principles of contact lens fitting

RE977 .C6 B37 1993

34 minutes

Developed by the American Academy of Ophthalmology in cooperation with the Contact Lens Association of Ophthalmologists. Provides guidelines and examples for selecting, fitting, and evaluating soft and rigid gas-permeable contact lenses.

### Bitoric RGP fitting and evaluation

RE977.C6 B57 1992

18 minutes

Shows how to properly fit and evaluate bitoric rigid gas permeable (RGP) lens designs on high astigmatic patients.

### Boston envision more fitting by design

RE977.C6 B67 1990

12 minutes

Promotional video that presents information about the Boston Envision contact lens. Includes a four-step fitting procedure that covers diameter and base curve selection, fluorescein pattern evaluation, power determination, and centre thickness selection.

### Building your practice with RGP's

RE977.C6 B84 1992

11 minutes

Discusses the benefits of RGP lenses and contrasts them with soft contact lenses.

### Care and cleaning of your soft contact lenses

RE977 .C6 C37 1980z

15 minutes

Covers lens care and handling and an alternate method of lens disinfecting known as the chemical disinfecting method.

### Clinical Pearls. Volume II, refitting into RGP's

RE977.C6 C53 1990

17 minutes

This program is designed to assist in refitting problematic PPMA and hydrogel lens patients with rigid gas permeable lenses.

### Contact lens biomicroscopy

RE79.B5 C55 1993

19 minutes

Presents the foundation of performing biomicroscopy in a clinical environment. Includes instrument set-up and illumination. Shows clinical examples with an emphasis on contact-lens-related imagery.

**Contact lens care products overview**

RE977 .C6 C556 1986

37 minutes

Designed to assist pharmacists who are advising customers about contact lens products. Explains the three categories of lenses (hard, soft and rigid gas permeable) and the care systems required for each.

**[Contact Lenses]**

RE977.C6 C586 1988

66 minutes

Focuses on the products and procedures used in the care of contact lenses. Also covers ocular anatomy, types of lenses, manufacturing, vision correction, and patient profile.

**Echelon diffractive soft bifocal contact lenses**

RE977.C6 E33 1980z

48 minutes

Promotional video of a seminar about Echelon contact lenses, a product that works on the principle of diffraction.

**Elementary optics & the lensometer**

RE951 .B28 1985 no. 1

50 minutes

Covers parts of the lensometer, simple spheres and how to neutralize them, simple cylinders and compounds, prisms, and verifying completed eyewear.

**The eye exam and basic ophthalmic instruments (DVD)**

RE75 .E94 2007

72 minutes

Three videorecordings previously issued separately. Fundamentals of slit-lamp biomicroscopy. Goldmann applanation tonometry. Eye exam : the essentials.

**Fitting irregular corneas with RGP's**

RE977.C6 F57 1992

15 minutes

Presents the applications of rigid gas permeable contact lenses with patients having irregular corneas. Three categories of cornea irregularity are discussed: physiological, post-surgical, and trauma.

**The fitting triangle & frame adjustments**

RE951. B28 1985 no.4

40 minutes

Covers the basics of frame adjustments from the viewpoint of dispensing a new pair and analyzing common adjustment problems.

**Frame and lens selection**

RE951 .B28 1985 no.2

54 minutes

Looks at frames and frame parts in detail, including how to properly fit most customers.

**Fundamentals of fluorescein pattern evaluation**

RE977.C6 F84 1990

17 minutes

Case studies demonstrating fluorescein patterns as seen when rigid contacts are fit steeper than the cornea, flatter than the cornea, and alignment fits, as well as on corneas with astigmatism.

**Handling your CSI/CSIT soft contact lenses**

RE977 .C6 H277 1988

7 minutes

Patient education video that describes handling and care techniques for CSI/CSIT soft contact lenses.

## **Instruments**

RE73 .I57 1980z

28 minutes

Provides descriptions of instruments used in eye examinations, including the chair and equipment stand, projector chart, phoropter, keratometer, slit lamp, retinoscope, ophthalmoscope, penlight, Burton lamp, and tenometer. Also covers various pieces of equipment used in the contact lens laboratory, and tips for inserting and removing contact lenses. Includes a segment on care and cleaning of soft contact lenses.

## **Job orders right measurements the first time**

RE951 .B28 1985 no.3

40 minutes

Covers the process of sitting down with a customer and getting all the measurements needed to process and order for prescription eyewear.

## **Keratometry**

RE977.C6 K47 1990

7 minutes

Demonstration of the keratometer in measuring the radius of curvature of the cornea.

## **Laser vision: 20/10 by 2010?**

RE336 .L37 2002

57 minutes

An examination of the history of refractive surgery and how the LASIK procedure has become the most frequently performed elective surgery today.

## **Lensometry**

RE977.C6 L46 1991

11 minutes

The use of lensometry in measuring and verifying the power of contact lenses. The program includes rigid spherical and toric lenses.

## **Light, nanometres and the spectrum**

RE951 .I57 no.1

35 minutes

Begins with a short overview of the metric system of measurement, emphasizing the relationship and scale of prefixes such as kilo-, centi-, milli-, and nano-. Provides an historical review of man's understanding of the nature and properties of light. Explains the theories that have shaped our ideas.

## **Ocular motility evaluation of strabismus & myasthenia gravis**

RE731 .O3 1993

26 minutes

Explains that an organized step-by-step approach to the basic ocular motility examination can yield useful and accurate data. This in turn allows more successful treatment to promote normal vision.

## **Omnicare lens care system allergan**

RE977 .C6 O46 1980z

7 minutes

Shows how to insert, remove, clean and care for contact lenses using the Omnicare lens care system.

## **Optics & vision correction**

QP475 .O68 1980z

26 minutes

Describes the optical system of the eye and optical principles of lenses and lens systems. Material covered is applicable to the optical principles of all three methods of correction: glasses, contact lenses, and surgery.

**The radiuscope**

RE977.C6 R34 1991

10 minutes

Detailed description of the procedure used for measuring a contact lens base curve, both spherical and toric lenses.

**Reflection and refraction of light**

RE951 .I57 no.2

30 minutes

Reviews elementary concepts of the geometry of right triangles, including the Pythagorean theorem and the sine function relationship between the length of the sides and the size of the angles.

**Retinoscopy and subjective refraction (DVD)**

RE928 .R48 2007

111 minutes

Topics include: Retinoscopy: minus and plus cylinder techniques (76 min.): Patient position, basic steps of retinoscopy, far-point concept, neutralization techniques for spherical and astigmatic eyes, phoropters, hand-held lenses and retinoscopy racks, overrefraction technique, problem reflexes ; Subjective refraction: cross cylinder technique (35 min.) : Jackson cross cylinder, emmetropia and astigmatism, cycloplegic refraction, determining add, accommodation and lens correction, prescribing multifocal lenses.

**Retinoscopy : minus cylinder technique**

RE928 .R47 1986

40 minutes

Discusses techniques of retinoscopy as developed at Wilmer Ophthalmological Institute, John Hopkins. Uses minus cylinder technique.

**RGP clinical pearls. Volume one**

RE977.C6 R423 1989

13 minutes

This program is designed to assist the student in fitting RGP lenses by addressing diagnostic fitting, fluorescein pattern evaluation, and problem solving.

**RGP diagnostic fitting. Volume one**

RE977.C6 R424 1990

12 minutes

This program features diagnostic rigid gas permeable (RGP) fitting using standard parameters. Shows how variation in lens diameter and base curve affects the lens-to-cornea fitting relationship. Lens design and lens-to-cornea fitting relationships are evaluated.

**RGP diagnostic fitting. Volume two**

RE977.C6 R425 1990

15 minutes

This program features diagnostic rigid gas permeable (RGP) fitting using variations in standard parameters. Shows how modification in peripheral curve width and radius affects the lens-to-cornea fitting relationship. Various peripheral curve systems are evaluated.

**RGP grand rounds. Volume one**

RE977.C6 R435 1990

22 minutes

Features six routine and difficult to fit patients, including low astigmatic myope, low astigmatic hyperope, against-the-rule astigmat, high with-the-rule astigmat, irregular cornea, and presbyope. Various lens designs and lens-to-cornea fitting relationships are evaluated.

**RGP grand rounds. Volume two**

RE977.C6 R436 1991

19 minutes

Explores the management of rigid gas permeable lens decentration. Clinical cases featured are inferior decentration, superior decentration, lateral decentration and irregular cornea.

**RGP modification and verification**

RE977.C6 R442 1995

27 minutes

Fitting and verification of gas permeable contact lenses.

**Rigid gas permeable bifocal fitting and troubleshooting**

RE977.C6 R53 1990z

29 minutes

The purpose of this video is to increase interest, knowledge and confidence in fitting rigid gas permeable bifocal contact lenses. Covers patient education, patient evaluation, and fitting and troubleshooting aspheric multifocal and translating bifocal lenses.

**Subjective refraction: cross cylinder technique**

RE925 .S77 1987

36 minutes

Dedicated to Edward Jackson on the 100<sup>th</sup> anniversary of his description of the “crossed cylinder.” Step-by-step subjective techniques in clinical refraction, from the initial taking of visual acuity to determination of the reading add, are explained and demonstrated. Computer graphics illustrate the basics of astigmatism and the cross-cylinder testing. Then, as each refraction step is demonstrated, the progressive improvement of visual acuity is shown from the patient’s point of view.

**Vertex compensation in higher powers**

RE951 .I57 no.4

30 minutes

Provides an in-depth look at vertex compensation. Computer animation lets you see the link between lens power and focal length, between vertex change and retinal focus, and between the eye exam and the fitted spectacles.

**You and your soft contact lenses the Oxysept Ultrazyme system**

RE977 .C6 Y68 1988

10 minutes

Promotional video that shows how to care for soft contact lenses using the Oxysept Ultrazyme system.

## SLIDES FOR:

### **Contact lens slides**

See binder for list of contents

### **Ophthalmology: an essential slide collection**

Contains: Lids; Orbit and Lacrimal Systems; External Eye; Anterior Segment and Posterior Segment

### **Opticianry**

Slides for Anterior Segment Eye Disorders Set 1, 2 & 3

### **Pathology slides**

See binder for list of contents

### **Slide atlas of ophthalmology**

RE46 .S49 1990

Contains: 1) Methods of Ocular Examination 2) The Eyelids 3) The Conjunctiva: Diseases and Tumours 4) Infections of the Outer Eye 5) Allergic Eye Diseases: Episcleritis and Scleritis 6) The Cornea 7) Primary Glaucoma 8) Secondary Glaucoma 9) The Uveal Tract 10) Intraocular Inflammation 11) The Lens 12) Vitreous and Vitreo-Retinal Disorders 13) The Retina: Normal Anatomy and Physical Signs 14) The Retina: Vascular Disease I 15) The Retina: Vascular Disease II 16) The Retina: Macular Diseases and Retinal Dystrophies 17) The Optic Disk 18) Strabismus 19) Neuro-Ophthalmology 20) The Orbit and Lacrimal System

## CD-ROMS, SLIDES AND OTHER MATERIALS

### **CD-ROMS**

#### **Cornea copia**

Cornea Copia is a CD-ROM based computerized slide show containing 218 large, high-quality cornea and contact-lens related slides. Approximately half the slides are related to contact lens complications, fitting and adverse responses.

#### **Review of clinical ophthalmology on CD**

The CD-ROM companion to *The Wills Eye Hospital Atlas of Clinical Ophthalmology*. Contains: the full text and all of the more than 850 images from the print atlas, pathology images, clinical video segments and video lectures. Covers the principle subjects in ophthalmology, including uveitis, strabismus, the retina and the anterior segments.

#### **RGP fitting evaluation and problem solving**

RE977.C6 R43 2000

1 CD

To access the multimedia aspects of the various sample movies contained with the program on this CD, you will need to have a media player installed on your computer.

## **SLIDE SETS**

### **Contact lens slides**

Set of 53 slides arranged by faculty. Please see container for names of individual slides.

### **Ophthalmic diagnosis in tropical countries**

RE76 .O65

84 slides

This series of 84 slides presents the clinical manifestation of common eye problems in the tropics. Topics include trachoma, cataract, and river blindness.

### **The red eye, parts I & 2**

RE831.R4 (Part I)

105 slides & 2 cassettes for each part

RE48.R42 (Part 2)

Helps make differential diagnosis of mechanical injury. Includes examples of subconjunctival hemorrhage, hyphema, dislocated lenses and traumatic cataracts, corneal lacerations and iris prolapse, injury caused by eyelashes, foreign bodies in the eye and corneal abrasions.

## **OTHER MATERIALS**

### **Fifteenth national research symposium on contact lenses**

RE977.C6 N36 1988 10 sound cassettes

Contains: 1) New ophthalmic drugs; Causes of the red eye in the contact lens wearer 2) Effectiveness of lens care regimens against microorganisms; Microbial keratitis 3) Pseudomonas ulcer: a personal perspective; Panel Discussion 4A) Lid hygiene; Ultra violet radiation; Rigid gas permeable extended wear 4B) Lid hygiene; Ultra violet radiation; Rigid gas permeable extended wear; 5) Do contact lenses retard the progression of myopia?; The holographic bifocal lens: can it work? 6) Silicone lenses: an old concept with new ideas; Panel Discussion. 7) Future contact lens designs, materials & systems; Disposable contact lenses 8) Future of contact lens care systems; Therapeutic application of collagen lenses & drugs 9) Re-shaping the cornea for the correction of refractive errors; Panel discussion.

### **17th National Research Symposium on Contact Lenses**

RE977.C6 N36 1990

12 sound cassettes

Contains: 1) Caveats of RGP lens design; Complications for RGP & soft contact lens extended wear 2) Fitting strategies for gas permeables; Simplified RGP bitoric calculation; Residual astigmatism 3) Fitting keratoconus; Contact lens effects on corneal function; RGP lens storage 4) Hard vs. soft contact lenses; Solutions for RGP materials; Panel discussion. 5) Introduction; New perspectives on epithelial problems; Polymegethism 6) Microorganisms & soft lenses; Protein types & levels; Soft vision with soft lenses 7) Compliance with contact lens care; Are disposable lenses the future?; Task & visual performance 8) Presbyopic fitting strategies; Panel discussion. 9) Introduction; Managing patients through planned replacement; Uses of collagen lenses 10) Managing the dry eye; Punctal occlusion for mild dry eye; Therapeutics related to contact lenses 11) Effects of stromal acidosis; Excimer laser in 1990; Photorefractive keratectomy 12) The therapeutic applications of the excimer laser; Panel discussion; Closing remarks.

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