



**Jarl C. Nielsen**

**Nevada Retina Associates**

610 Sierra Rose Drive  
Reno, Nevada 89511  
(775) 356-7272  
(775) 356-2922 fax

**Education**

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**M.D., Loma Linda University**

Loma Linda, California  
March 1978-August 1981

**B.S., Pacific Union College**

Angwin, California  
Major in Biochemistry (Magna cum laude)  
September 1974-March 1978

**Post Graduate Training**

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**Retina Fellowship**

Wills Eye Hospital  
Philadelphia, Pennsylvania  
July 1988-July 1990

**Residency in Ophthalmology**

University of Chicago  
Michael Reese Hospital  
Chicago, Illinois  
July 1985-June 1988

**Postdoctoral Fellowship**

Cullen Eye Institute  
Baylor College of Medicine  
National Institutes of Health and Retinitis Pigmentosa Foundation grant support  
Houston, Texas  
July 1983-June 1985

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### **Internship in Internal Medicine**

Providence Medical Center  
Portland, OR  
June 1982-June 1983

### **Internship in General Surgery**

Gjovik Fylkessykehus  
Gjovik, Norway  
June 1981-June 1982

### **Certification**

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Board-Certified, American Board of Ophthalmology, November 1989

Diplomate, National Board of Medical Examiners, July 1983

Licensed in Nevada and California

### **Appointments**

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- Staff Physician, Renown Regional Medical Center (Washoe Medical Center), Reno, Nevada
- Staff Physician, St. Mary's Medical Center, Reno, Nevada
- Staff Physician, Northern Nevada Medical Center, Reno, Nevada
- Medical Director, Surgical Arts Surgery Center, Reno, Nevada, 1998-2000
- Clinical Associate Professor of Ophthalmology, Loma Linda University School of Medicine, 1992-1994
- Director, Retina Service, Riverside Community Hospital-University Medical Center, 1991-1994
- Partner and Vice President, Inland Retina Consultants Medical Group, Inc, San Bernardino, CA, 1992-1994

### **Organizations/Offices**

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- Chairman, Renown Regional Medical Center Department of Ophthalmology, 2002-2003
- Chairman, St. Mary's Hospital Department of Ophthalmology, 2002-2003
- Chairman, Northern Nevada Medical Center Department of Ophthalmology, 2002-2003
- Fellow, American College of Surgeons, 2000-Current
- Board Member, Surgical Arts Surgery Center, Reno, Nevada, 1998-2001
- Vice President, Tri-County Eye Society, 1994
- Chairman, Fluorescein Angiography Conference, Riverside Community Hospital, 1992-1994

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- Secretary/Treasurer, Tri-County Eye Society, 1993
- Fellow, American Academy of Ophthalmology, 1985-present
- Nevada State Medical Association, Current
- Member, American Society of Retina Specialists (The Vitreous Society), Current
- Member, Washoe County Medical Society, Current
- Member, Nevada Academy of Ophthalmology, Current
- Member, Association of American Physicians and Surgeons (AAPS), Current
- Medical Group Management Association (MGMA), Current
- Wills Eye Hospital Society, Current

## Awards/Honors

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- Physicians Recognition Award, American Medical Association, 1993-2002
- Graduated Magna Cum Laude, 1978
- Missionary Volunteer Silver Award, 1975
- Governor's Scholar, 1974
- Outstanding Mathematics and Science Student, 1974

## Publications

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### *Papers:*

Elnor SG, Elnor VM, Nielsen JC, Torczynski E, Yu R, Franklin WA. CD68 Antigen Expression by Human Retinal pigment Epithelial Cells. *Exo. Eve Res.* 55:2 1-28, 1992.

Duker JS, Nielsen JC, Vander JF, Rosenstein RB, Benson WE. Retrobulbar bupivacaine irrigation for postoperative pain after scleral buckling surgery. *Ophthalmology.* 98:514-518, 1991.

Duker JS, Nielsen JC, Eagle RC, Bosley TM, Granadier R, Benson WE. Rapidly progressive acute retinal necrosis secondary to herpes simplex virus, type 1. *Ophthalmology.* 97: 1638-1643, 1990.

Anderson RE, Maude MB, Nielsen JC: Effect of lipid peroxidation on rhodopsin regeneration. *Curr Eve Res.* 4:65-71, 1985.

Naash, MI, Nielsen JC, Anderson RE. Regional distribution of glutathione peroxides and glutathione-s-transferase in adult and premature human retinas. *Invest. Ophthalmol. Vis. Sci.* 29: 149-152, 1988.

Nielsen JC, Naash MI, Anderson RE. The regional distribution of Vitamins E and C in mature and premature human retinas. *Invest. Ophthalmol. Vis. Sci.* 29:22-26, 1988.

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Rapp LM, Naash MI, Weigand RD, Joel CD, Nielsen JC, Anderson RE. Morphologic and biological comparisons between retinal regions having differing susceptibility to photoreceptor degeneration. *Retinal Degeneration: Experimental and Clinical Studies*. La Vail MM, Hollyfield JG, Anderson RE (Eds.). Alan R. Liss, INC. New York, pp. 421-437, 1985.

Nielsen JC, Maude MB, Hughes H, Anderson RE. Rabbit photoreceptors contain high levels of docosapentaenoic acid. *Invest. Ophthalmol. Vis. Sci.* 27:261-264, 1985.

Weigand RD, Joel CD, Rapp LM, Nielsen JC, Maude MB, Anderson RE. Polyunsaturated fatty acids and vitamin E in rat rod outer segment during light damage. *Invest. Ophthalmol. Vis. Sci.* 27:727-733, 1986.

Nielsen JC, Elnor VM, Skorin JR. L, Goodwin JM, Cheston-Winterbotham CT. Customized automated static threshold perimetry detects early visual field deficits in pseudo tumor cerebri. (manuscript ready for submission, *Arch. Ophthalmol*).

## Abstracts

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Mets MB, Pass A, Smith VC, Pokorny J, Nielsen JC. The electroretinogram in the first year of life in very low birth weight human. *Invest. Ophthalmol. Vis. Sci.* 30 (Suppl.): 317, 1989.

Elnor VM, Nielsen JC, Elnor SG, Franklin WA. Immunophenotypic modulation of cultured human retinal pigment epithelial cells by gamma interferon and phytohemmagglutinin-stimulated human T -lymphocytes. *Invest. Ophthalmol. Vis. Sci.* 30 (Suppl.): 118, 1989.

Nielsen JC, Elnor VM, Skorin L, Cheston-Winterbotham C, Goodwin JA. Comparative sensitivity of automated and Goldmann perimetry in pseudotumor cerebri. *Invest. Ophthalmol. Vis. Sci.* 29 (Suppl.): 432, 1988.

Nielsen JC, Elnor VM, Yu, Torczynski E, Franklin WA. Immunophenotypic characterization of cultured human retinal pigment epithelium. *Invest. Ophthalmol. Vis. Sci.* 29 (Suppl.): 381, 1987.

Nielsen JC, Hittner HM, Anderson RE. Retinal vitamin E levels in human premature infants and adults. *Invest. Ophthalmol. Vis. Sci.* 27 (Suppl.): 308, 1986.

Nielsen JC, Rapp LM, Maude MB, Anderson RE. Retinal toxicity of intravitreal blood. *Invest. Ophthalmol. Vis. Sci.* 26 (Suppl.): 73, 1985.

Joel CD, Weigand RD, Rapp LM, Nielsen JC, maude MB, Anderson RE. Vitamin E increases in rod outer segments during light damage. *Invest. Ophthalmol. Vis. Sci.* 25 (Suppl.): 59, 1984.

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## Presentations

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Knights Templar Eye Foundation, 2010

Macular Diseases. Two hours of CE credit. Pacific Laser Eye Center, March 22, 2000.

Washoe County Medical Society, Biannual Mini-Internship Program, September, 1998-present.

"A review and update on the role of laser treatment in diabetic retinopathy." St. Bernadine Medical Center, June 18, 1991.

"Retinal white dots" Fluorescein Angiography Conference, Educational Health Center, Riverside Community Hospital, June 28, 1991.

"Retrobulbar bupivacaine irrigation for postoperative pain after scleral buckling." Duker JS, Nielsen JC, Vander JF, Rosenstein RB, Benson WE. American Academy of Ophthalmology Annual Meeting, October, 1990.

Recovery room care for the retina patient. Truckee Meadows Peri Anesthesia Association, June, 1995.

"Vitamin E in preterm infant retina." Annual Alumni Meeting, Cullen Eye Institute, Baylor College of Medicine, Houston, TX, June 1985.

"Peripheral retinal neovascularization in orbital pseudotumor." Annual fluorescein conference, Wills Eye Hospital, Philadelphia, PA, September 1985.

"Free radical attacks on the retina." Ophthalmology Colloquium, Cullen Eye Institute, Baylor College of Medicine, Houston, TX, November 1984.