

**KAREN M. REPINE M.D.**

**Board Certified Ophthalmologist**

**Corneal Consultants of Colorado**

***EDUCATION***

1976-1978 University of Colorado, Boulder

1978-1980 University of Colorado Health Science Center, *B.S. Cum Laude*

1980-1982 University of Colorado, Denver, Post Baccalaureate Pre-medical training,  
*Dean's List*

1983-1987 University of Colorado School of Medicine, Denver, *M.D. With Honors*

***RESEARCH AND PROFESSIONAL EXPERIENCE/ACTIVITIES***

**1982-1983**

- Biomedical Research Training, University of Colorado Health Science Center

**1983-1987**

- Medical Student Research Program, University of Colorado School of Medicine
- Freshman Medical Student Representative to Student Senate
- Western Student Medical Research Committee (WSMRC) Representative for the University of Colorado School of Medicine.

**1987-1988**

- Resident, Department of Medicine, University of Colorado (Robert W. Schrier, M.D., Chairman)

**1988-1991**

- Resident, Department of Ophthalmology Residency Program, University of Colorado Health Sciences Center (Phillip Ellis M.D., Chairman)

**1991-Present**

- Private Practice, Englewood/Littleton Colorado – Repine Vision and Laser
- Private Practice, Littleton, Colorado – Corneal Consultants of Colorado (merger)

### **1994-Present**

- Attending Physician for Family Practice Residency Program Section, University of Colorado Denver – Anschutz Medical Campus/Swedish Medical Center
- Clinical Assistant Professor, Department of Ophthalmology, University of Colorado Denver – Anschutz Medical Campus

### ***CERTIFICATION***

- American Board of Ophthalmology 1995, 2005
- Fellow American Academy of Ophthalmology
- Medical License for the State of Colorado

### ***MEMBERSHIPS*** – prior and current

- Alpha Omega Alpha National Medical Honor Society -Elected during Junior year medical school, 1986
- American Medical Student Association
- American Medical Association
- American Federation for Clinical Research
- International Society of Refractive Surgeons
- Contact Lens Association of Ophthalmologists
- American Medical Women's Association
- Colorado Ophthalmological Society
- American Academy of Ophthalmology

### ***HONORS AND AWARDS***

#### **1983-1984 (Freshman Year Medical School)**

- Academic Excellence Scholarship from Piton Foundation
- Outstanding Achievement Award for academic excellence from University of Colorado School of Medicine
- Pulmonary Subspecialty Grand Award for Medical Student Research at Annual Meeting of the American Federation of Clinical Research (AFCR), Western Division, Carmel, California

### **1984—1985 (Sophomore Year Medical School)**

- University of Colorado School of Medicine Alumni Association Academic Scholar Award
- Academic Excellence Scholarship from Piton Foundation
- Pulmonary Subspecialty Grand Award for Medical Student Research at the Annual Meeting of the Federation of Clinical Research (AFCR), Western Division, Carmel, California
- Dear Maurice H. Rees Award for outstanding scholarship and character, University of Colorado School of Medicine
- First place award, University of Colorado Medical Student Research Forum
- University of Colorado School of Medicine Promotions Committee Award in recognition of high academic achievement

### **1985-1986 (Junior Year Medical School)**

- Edgar and Marion Adler Scholarship for scholarship and creativity in medicine
- University of Colorado School of Medicine Honors and Research Committee Award for best medical student research
- Willard A Smith Scholarship for outstanding scholarship and promise in medicine, University of Colorado School of Medicine
- University of Colorado School of Medicine Promotions Committee Award Recognition of high Academic Achievement

### **1986-1987 (Senior year Medical School)**

- Alfred A. Richman National Award from the American College of Chest Physicians for Outstanding Cardiovascular Research by a medical student. Presented at annual meeting in San Francisco.
- Research Award, University of Colorado Medical Student Research Forum.
- Pulmonary Subspecialty Grand Award for Medical Student Research at the Annual Meeting of the Federational of Clinical Research (AFCR)), Western Division, Carmel, California
- Edgar and Marion Adler Scholarship for scholarship and creativity in medicine, University of Colorado School of Medicine.
- Lange Award for outstanding performance during the senior year of medical school, University of Colorado School of Medicine.
- Janet M. Glasgow Memorial Award presented to female medical students in the top ten percent of the class, University of Colorado School of Medicine.
- Lange Medical Publications Award for outstanding achievement as a medical student, University of Colorado School of Medicine.

## **1987-Present**

- American College of Physicians National Award for Research.
- VSP – People First Award
- LaserVision's Top 100 Surgeons in the Nation
- LaserVision's Milestone Award
- America's Top Doctor's
- 5280 Magazine's Top Laser Surgeon in Denver

## ***HOSPITAL AND ACADEMIC AFFILIATIONS***

- Centura Porter Hospital
- Centura Littleton Hospital
- Craig Rehabilitation Hospital
- University of Colorado Denver – Anschutz Medical Campus
- Clarity Laser Vision Center
- Littleton Day Surgery Center
- Harvard Park Surgery Center

## ***SPECIAL INTEREST***

- Cataract Surgery
- Premium Intraocular Lenses – Bifocal and Toric
- Laser Refractive Surgery – LASIK and PRK
- Laser Glaucoma Surgery
- Glaucoma
- Family Eye Care

## ***BIBLIOGRAPHY – PUBLISHED ARTICLES***

1. **Toth, K.M.**, Clifford, D.P., Berger, E.M., and Repine, J.E.: Intact human erythrocytes prevent hydrogen peroxide mediated damage to isolated perfused rat lungs and cultured bovine pulmonary artery endothelial cells. *Journal of Clinical Investigation*, 74:292-295, 1984.
2. Bowman, C.M., Berger, E.M., Butler, E.N., **Toth, K.M.**, and Repine, J.E.: HEPES may stimulate cultured endothelial cells to make growth retarding oxygen radical. *In Vitro Cell and Developmental Biology*, 21:140

3. **Toth, K.M.**, Berger, E.M., Beehler, C.J., and Repine, J.E.: Erythrocytes from cigarette smokers contain more glutathione and catalase and protect endothelial cells from hydrogen peroxide better than erythrocytes from non-smokers. *American Review of Respiratory Disease*. 134:281-284,1986.
4. Repine, J.E., Beehler, C.j., Berger, E.M., and **Toth, K.M.**: Erythrocyte antioxidants as scavengers and/or indicators of oxygen metabolites in biological systems. In Superoxide and Superoxide Dismutase in Chemistry. Elsevier Science Publishers, Amsterdam, New York, Oxford, pp. 391-39, 1986.
5. Repine, J.E., Beehler, C.J., E.M., White. C.W. and **Toth, K.M.**: Erythrocyte (RBC) antioxidants as potential protectors and/or predictors of oxidant induced lung injury in acute lung injury. In Pathogenesis of Adult Respiratory Distress Syndrome. H. Kazemi, A.L.Hyman, P.J. Kadowitz (Eds.), PSG Publishing Co., Inc., Littleton, Massachusetts, pp. 129-137, 1986.
6. Brown, J.M., Grosso, M.A., Terada, L.S., Beehler, C.J., **Toth, K.M.**, Whitman, G.J., Harken, A.H. and Repine, J. E.: Erythrocytes decrease myocardial hydrogen peroxide levels and reperfusion injury. *American Journal of Physiology: (Heart and Circulatory Physiology)* 256:H584-H588, 1989.
7. Beehler, C.J., Simchuk, M.L., **Toth, K.M.**, Drake, S.K., Parker, N.B., White, C.W., Sanderson, R.J., and Repine, J.E.: Blood sulfhydryl level increases during hyperoxia: A marker of oxidant lung injury? *Journal of Applied Physiology*. 67:1070-1075, 1989.
8. **Toth, K.M.**, Harlan, J.M., Berger, E.M., Parker, N.B and Repine, J.E.: Dimethylthiourea prevents hydrogen peroxide mediated damage to bovine pulmonary artery endothelial cells and disappears in the process. *Free Radical Biology and Medicine*. 6:457-456, 1989.

### ***BIBLIOGRAPHY – ABSTRACTS PRESENTED AT NATIONAL OR INTERNATIONAL MEETINGS***

1. **Toth, K.M.**, Parker, N.B., Clifford, D.P., Berger, E.M., White, J.G. and Repine, J.E.: Intact human erythrocytes (RBC) prevent hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) mediated damage to cultured bovine pulmonary artery endothelial cells (EC) and corresponding disappearance of dimethylthiourea (DMTU). Presented at the American Federation of Clinical Research (AFCR) Western Division, February 6-10, 1984, Carmel, California.

2. **Toth, K.M.**, Clifford, D.P., Berger, E.M., White, J.G. and Repine, J.E.: Intact human erythrocytes (RBC) prevent hydrogen peroxide H<sub>2</sub>O<sub>2</sub> mediated damage to cultured bovine pulmonary artery endothelial cells (EC) and acute edematous injury (ARDS) in isolated perfused rat lungs. Presented in part at the National medical Student Research Forum, April 25-27, 1984, Galveston, Texas and the American Federation of Clinical Research (AFCR) National Meeting, May 4-8, 1984, Washington, D.C.
3. **Toth, K.M.**, Berger, E.M., Beehler, C.J., McDonald, R.J., Clifford, D.P., Shibao, G.N., Harada, R.N., White, C.W., Eaton, J.W. and Repine, J.E.: Erythrocytes (RBC) from cigarette smokers contain more catalase and glutathione (GSH) and protect endothelial cells (EC) against H<sub>2</sub>O<sub>2</sub> better than RBC from non-smokers. Presented at the American Federation of Clinical Research (AFCR) Western Division, February 5-8, 1985, Carmel California.
4. **Toth, K.M.**, Beehler, C.J., Berger, E.M., Repine, J.E.: Erythrocyte (RBC) antioxidant enzymes as potential protectors and/or predictors of oxygen metabolite induced lung injury. Presented at the Fourth International Conference on Superoxide and Superoxide Dismutase, September 1-8 1985, Rome, Italy.
5. **Toth, K.M.**, Beehler, C.J., Halek, M.M., Berger, E.M., White, C. W., and Repine J.E.: Altered antioxidant levels in erythrocytes (RBC) and lungs following exposure to cigarette smoke. Presented at the American Federation of Clinical Research (AFCR) National meeting, May 2-5, 1986, Washington, D.C.
6. **Toth, K.M.**, Burton, L.K., Berger, E.M., Beehler, C.J., Rodell, T.C., Cheronis, J.C., Halek, M.M., White, C.W., and Repine J.E.: Cigarette smoke exposure increases erythrocyte (RBC) and lung antioxidant levels and lung xanthine oxidase (XO) activities. Presented at the American Federation of Clinical Research (AFCR) Western Division, February, 1987, Carmel, California
7. **Toth, K.M.**, Burton, L.K., Berger, E.M., Beehler, C.J., Rodell, T.C., Cheronis, J.C., Halek, M.M., White, C.W., and Repine J.E.: Cigarette smoke exposure increases lung oxidized glutathione (GSSG) activity by a xanthine oxidase (XO) dependent mechanism. Presented at the American Federation of Clinical Research (AFCR) National Meeting, May 1-4, 1987, San Diego, California.