
Thomas J. Tredici

June 2000

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Project Scientist

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Aerospace ophthalmology combines the practice of Clinical Ophthalmology and Aerospace Medicine in attempting to solve the visual and ophthalmological problems of the aviator and astronaut. The Ophthalmology Branch of the USAF School of Aerospace Medicine has exclusively performed this task for nearly 85 years. The visual problems and solutions proposed are documented in the publications and invited presentations of Ophthalmology Branch personnel, listed for the years 1991 through 2000. They deal primarily with applied visual and clinical topics; such as, visual standards for flying, the use of contact lenses in aviation, visual illusions and aircraft accidents, air-to-air target acquisition, management of glaucoma in flying personnel, refractive surgery in the aviator, etc.

Aerospace ophthalmology, visual standards, refractive surgery, vision in aviation, eye problems in aviation

16. SECURITY CLASSIFICATION OF:
   a. REPORT
      Unclassified
   b. ABSTRACT
      Unclassified
   c. THIS PAGE
      Unclassified

17. LIMITATION OF ABSTRACT
    UL

18. NUMBER OF PAGES
    60

19a. NAME OF RESPONSIBLE PERSON
     Tredici, Thomas J.
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Aviation, Space and Environmental Medicine, Vol 63, No. 1, Jan 1992

CONTACT LENS WEAR WITH THE PROTECTIVE INTEGRATED HOOD MASK SYSTEM
Dennis R.J., R.E. Miller, R.D. Peterson, and W.G. Jackson
Aviation, Space, and Environmental Medicine, Vol 63, p565-71 July 1992

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CATARACT SURGERY AND INTERAOCULAR LENSES IN MILITARY AVIATORS
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Aviation Space and Environmental Medicine, Vol 63, p302-307 April 1992

NIGHT VISION MANUAL FOR THE FLIGHT SURGEON
AL-SR-1992-0002, April 1992

OCULAR MOTILITY DISORDERS IN MILITARY AVIATORS: THE USAFSAM EXPERIENCE 1975-1989
Knowles J.R. and T.J. Tredici
Abstract: Aviation, Space & Environmental Medicine, Vol 63, No. 7, July 1992

YELLOW LENS EFFECT UPON VISUAL ACQUISITION PERFORMANCE
Provines W.F. and T.J. Tredici
Aviation, Space, and Environmental Medicine, Vol 63, No. 7, July 1992

COUNTRY REPORT
Ivan D.J.
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ADVISORY PUBLICATION ON AIRCREW SPECTACLE FRAMES AND LENSES
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32nd Annual Meeting of ASCC Working Party 61, Auckland NZ, Nov 1992

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Taboada J., R.H. Poirier, R.E. Yee and R.O. Tio
Refractive and Corneal Surgery, Vol. 8 pp 399-402, 1992

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Taboada J.
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Apsey D.A.
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Handout, USAFSAM Operational Aeromedical Problems Course, Jan 1993

OCULAR SURVEILLANCE OF LASER WORKERS
Tredici T.J.
Information About Eye Care, American Academy of Ophthalmology Report, March 1993

VISUAL FACTORS IN AIRCRAFT MISHAPS
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Handout, USAFSAM April 1993

OCULAR MOTILITY DISORDERS IN MILITARY AVIATOR: THE EFFECTS OF OCULAR MUSCLE SURGERY ON THEIR FLIGHT STATUS
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Abstract: Aviation, Space, and Environmental Medicine, Vol 64, No 5 May 1993

NVG VISUAL PERFORMANCE: A COMPARISON OF TESTING PROCEDURES
Apsey D.A.
Poster Aerospace Medical Assn. Meeting, Toronto, CA, Vol 64, No 5 May 1993

OPTIC NEURITIS IN USAF AVIATORS
Ivan D.J. and Cuervo H.
Abstract: Aviation, Space and Environmental Medicine, Vol 64, No 5 May 1993

NVG PERFORMANCE: A COMPARISON OF TESTING PROCEDURES
Silberman W.S., D. Apsey, and D.J. Ivan
Abstract: Aviation, Space, and Environmental Medicine, Vol 64, No 5 May 1993

A DECISION GRID FOR DEMONSTRATING DISEASES OF THE CENTRAL NERVOUS SYSTEM FOR APPLICATION IN AEROMEDICAL DISPOSITIONS
Cuervo H. and D.J. Ivan
Abstract: Aviation, Space, and Environmental Medicine, Vol 64, No 5 May 1993

A SURVEY OF U.S.A.F. FLYERS REGARDING THEIR USE OF EXTENDED WEAR CONTACT LENSES (EWNSL)
Moore R.J., and R.P. Green
Abstract: Aviation, Space, and Environmental Medicine, Vol 64, No 5 May 1993
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CONTRAST SENSITIVITY AND DISABILITY GLARE IN THE MIDDLE YEARS
Yates J.T., J.M. Harrison, R.A. Applegate, and C. Ballentine
A Optical Society of America, Vol. 10, No.8, August 1993

OPTICAL CHARACTERISTICS AND VISUAL CONSEQUENCES OF LASER EYE PROTECTION
Apsey D.A.
Poster American Academy of Optometry Meeting Boston MA, 12 Dec 93

SOFT CONTACT LENS WEAR: A SURVEY OF USAF EYECARE PROFESSIONALS
Dennis R.J., Apsey D.A., and Ivan D.J.
Aviation, Space, and Environmental Medicine 1993; 64(11):1044-7

OCULAR HYPERTENSION: THE USAF EXPERIENCE
Conger L.A. Jr., D.J. Ivan, and T.J. Tredici
RAM Report USAFSAM 1993
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Dennis R.J.
Resented at OAPs, Brooks AFB, 12 Jan 93

AEROSPACE OPHTHALMOLOGY UPDATE
Ivan D.J., and T.J. Tredici
Operational Aeromedical Problems Course USAFSAM, Brooks AFB TX, 23 Jan 93

AEROSPACE OPHTHALMOLOGY UPDATE
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RESULTS OF A CONTACT LENS SURVEY OF USAF EYECARE PROFESSIONALS
Dennis R.J.
Presented to the Alamo Triservice Optometric Society, 8 Feb 93, Brooks AFB TX

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Ivan D.J.
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Dennis R.J.
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Presented at Aerospace Medical Assn Meeting Toronto, CA, 27 May 93

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CONTACT LENS RESEARCH WITH USAF AIRCREW
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Presented to the Univ. of Houston College of Optometry Faculty, Houston, TX, 7 Oct 93

THE USAF AIRCREW SOFT CONTACT LENS PROGRAM
Dennis R.J.
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Lecture: Joint Commission for Allied Health Personnel in Ophthalmology Meeting, Chicago IL, 15 Nov 93

GOLDMANN VISUAL FIELD WORKSHOP, TONOMETRY DEMONSTRATION, RETINOSCOPY WORKSHOP
Linnemeyer P.J.
Joint Commission for Allied Health Personnel in Ophthalmology Annual Meeting, Chicago IL, 15-17 Nov 93

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Lecture at AMSUS to U.S.A.F. active, reserve, and guard flight surgeons and optometrists, San Antonio TX, 17 Nov 93

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   Tredici, T.J.
   Abstract: Aviation, Space, and Environmental Medicine, Vol 65, No.5 May 1994

2. INTRAOCULAR LENSES AND THE MILITARY AVIATOR
   Gooch, J.M., D.J. Ivan, T.J. Tredici, and D. Moorman
   Abstract: Aviation, Space, and Environmental Medicine, Vol 65:444, May 1994

3. OPTIC DISC DRUSEN: AEROMEDICAL ISSUES
   Thomas, R.A., J.M. Gooch, T.J. Tredici, and D. J. Ivan
   Abstract: Aviation, Space and Environmental Medicine, Vol 65:444, May 1994

4. CONTACT LENS WEAR BY USAF AIRCREW MEMBER WITH MEDICAL WAIVERS FOR OCULAR DISORDERS
   Tredici, T.J., R.J. Dennis, and D.J. Ivan
   Abstract: Aviation Space and Environmental Medicine, Vol 65:444, May 1994

5. COLOR VISION ISSUES IN MODERN MILITARY AVIATION

6. THE USAF AIRCREW MEDICAL CONTACT LENS STUDY GROUP: OPERATIONAL PROBLEMS.
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   In preparation

7. IMAGE PROJECTION OPTICAL SYSTEM FOR MEASURING PATTERN ELECTRORETINOGRAMS
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8. THE EFFECT OF TEST CHART DESIGN AND HUMAN FACTORS ON VISUAL PERFORMANCE WITH NIGHT VISION GOGGLES
   Ivan, D.J., W.S. Silberman, W.S. Apsey, et al.
   Journal of Aviation Space and Environmental Medicine, Dec 1994

9. THE EFFECT OF ALTITUDE AND SUPPLEMENTAL OXYGEN ON VISION WITH NIGHT VISION GOGGLES
   Supplement to Optometry and Vision Science, Vol 71, No 12, Dec 1994
OPHTHALMOLOGY BRANCH

1994 Presentations

1. AERO/OPHTHALMOLOGY UPDATE
   Ivan, D.J.
   USAF Occupational Aeromedical Problems Course, Jan 1994

2. OPERATIONAL AEROMEDICAL PROBLEMS COURSE LECTURE
   Tredici, T.J., Dennis, R.J., D.J. Ivan, et al.
   USAF School of Aerospace Medicine, 13 Jan 94

3. AIRCRAFT MISHAP INVESTIGATION AND PREVENTION COURSE
   Tredici, T.J.
   "Visual Factors in Flight Operations and Mishap" Lecture, USAF School of Aerospace Medicine, Brooks AFB, TX, 28 Apr 94

4. OCULAR MOTILITY DISORDERS IN MILITARY AVIATORS: THE AEROMEDICAL RED LENS TEST
   Tredici, T.J.

5. AEROSPACE OPHTHALMOLOGY UPDATE
   Tredici, T.J.
   Delivered at AMSUS Meeting, Orlando FL, 15-17 Nov 94

6. BIOAEROSOL PARTICLE DETECTOR-EXHIBIT
   Taboada, J.
   NASA Fourth National Technology Transfer Conference and Exposition, Anaheim CA, 7 Dec 94

7. THE EFFECT OF ALTITUDE AND SUPPLEMENTAL OXYGEN ON VISION WITH NIGHT VISION GOOGLES
   Dennis, R.J., D.A. Apsey, C.A. DeVilbiss, et al.
   Poster Presentation, American Academy of Optometry, San Diego, CA, 11 Dec 94

8. THE USAF AIRCREW MEDICAL CONTACT LENS STUDY GROUP: OPERATIONAL PROBLEMS
   Tredici, T.J., R.J. Dennis, and D.J. Ivan
   Poster Presentation, American Academy of Optometry, San Diego, CA, 12 Dec 94

9. PHOTOREFRACTIVE KERATECTOMY IN THE MILITARY AVIATOR-AN AEROMEDICAL EXPOSE
   Ivan, D.J.
   Presentation, Palma Majorca, 1994
1. USAF POLICY REGARDING REFRACTIVE SURGERY
   Ivan, D. J., T. J. Tredici, J. Perez, R. Dennis
   Abstract: Aviation, Space, and Environmental Medicine, Vol 66, No. 5, May 95

2. GLAUCOMA AND OCULAR HYPERTENSION - 20 YR. EXPERIENCE AT USAFSAM AND ARMSTRONG LABORATORY
   Tredici, T. J., D. J. Ivan, C. A. Sprague
   Abstract: Aviation, Space and Environmental Medicine, Vol 66, No. 5, May 95

3. EVALUATING GLAUCOMA USING LASER PERG

4. GAMMA RAY CAMERA METHOD AND APPARATUS
   Taboada, J.
   (patent pending, 1995)

5. BITTORIC RGP ENABLES USAF PILOT TO REMAIN FLYING
   Dennis, R. J., D. J. Ivan
   Contact Lens Spectrum, 1995; (3):49.

6. THE ROLE OF OPTOMETRY IN THE UNITED STATES AIR FORCE VISION RESEARCH PROGRAM
   Dennis, R. J.
OPHTHALMOLOGY BRANCH

1995 Presentations

1. CATARACT SURGERY IN USAF AVIATORS
   Tredici, T.J., C. Stern, J.R. Burroughs, D.J. Ivan
   Poster: American Academy of Ophthalmology Meeting, Atlanta GA, 29 Oct - 3 Nov 95

2. LASERS - THREAT OR FANCY?
   NATO-AGARD Presentation, Apr 95

3. GLAUCOMA AND OCULAR HYPERTENSION - 20 YRS OF EXPERIENCE AT USAFSAM AND ARMSTRONG LABORATORY
   Tredici, T.J., D.J. Ivan, C.A. Sprague
   Lecture: Aerospace Medical Association, Anaheim, CA, May 95

4. AEROSPACE OPHTHALMOLOGY UPDATE
   Ivan, D.J., R.J. Dennis, T.J. Tredici
   Presentation at OAP USAF School of Aerospace Medicine, Brooks AFB TX, 26 Jan 95

5. THE NEW AIRCREW SPECTACLE FRAME PROGRAM
   Dennis, R.J.
   Presented to the Israel AF Surgeon General, Brooks AFB, TX, 15 May 95.

6. OPTOMETRY OPPORTUNITIES IN THE AIR FORCE INSTITUTE OF TECHNOLOGY CIVILIAN INSTITUTION PROGRAMS
   Dennis, R.J.
   Presented to the Annual Federal Optometry Seminar, Sheppard AFB, TX, 23 Oct 95.

7. THE NEW DEPARTMENT OF DEFENSE AIRCREW SPECTACLE FRAME PROGRAM
   Dennis, R.J.
   Presented to the annual Federal Optometry Seminar, Sheppard AFB, TX, 23 Oct 95.

8. USAF POLICY REGARDING REFRACTIVE SURGERY
   Ivan, D.J., T.J. Tredici, J. Perez, R.J. Dennis
   Accepted for preprint, Annual scientific meeting, Aerospace Medical Association, 1995.

9. THE USAF SOFT CONTACT LENS PROGRAMS: FIVE YEARS OF EXPERIENCE
   Dennis, R.J., D.A. Apsey, D.J. Ivan
   Poster presentation to the American Academy of Optometry, New Orleans, LA, 10 Dec 95.

10. OPTIC NERVE HEAD DRUSEN: AEROMEDICAL DECISIONS REGARDING VISUAL FIELD LOSS
    Burroughs, J.R., D.J. Ivan, R.A. Thomas, T.J. Tredici, J.M. Gooch
    Lecture at Aerospace Medical Panel Symposium, Koln Germany, 9-12 Oct 95

11. TRANSIENT VISION LOSS IN AIRCREW
    Burroughs, J.R., D.J. Ivan, T.J. Tredici, J. Perez
    Lecture at Aerospace Medical Panel in Koln Germany, 9-12 Oct 95

12. AIRCREW OF THE FUTURE SYMPOSIUM: COLOR VISION ISSUES
    Ivan, D.J.
    Presentation at ASCC WP 61 Symposium, DCIEM, Toronto Canada, 31 Oct 95
1995 Presentations (continued)

13. AEROSPACE OPHTHALMOLOGY UPDATE  
   *Ivan, D.J.*  
   Canadian Forces Flight Surgeon Course, March 1995 & 1996, DCIEM, Toronto Canada

14. AIRCREW VISION STANDARDS REVIEW  
   *Ivan, D.J.*  
   Aircrew Risk Management Review (ARMAG), HQ USAF/SG, March 1996
1. THE USE OF CONTACT LENSES FOR THE CORRECTION OF APHAKIA IN USAF AVIATORS
   Tredici T.J., C. Stern, J. Burroughs, R. Dennis, and D. J. Ivan
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 67, No. 7, Jul 96

2. PROTECTION OF THE EYE AGAINST NUCLEAR FLASH: A HISTORICAL REVIEW
   Tredici, T.J.
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 67, No. 7, Jul 96

3. OPTIC NERVE HEAD DRUSEN: AN EXAMPLE OF AEROMEDICAL DECISION REGARDING VISUAL FIELD LOSS
   Burroughs, J.R., D.J. Ivan, R.A Thomas, and T.J. Tredici
   AGARD-CP.-579, Apr 96

4. KERATOREFRACTIVE SURGERY AND ALTITUDE
   Ivan, D.J., T.J. Tredici, and B. N. Angle
   Wilderness and Environmental Medicine - Submitted for publication, Jul 96

5. TRANSIENT VISION LOSS IN AIRCREW
   Burroughs, J.R., D.J. Ivan, and T.J. Tredici
   AGARD-CP.-579, Apr 96

6. THE USAF AIRCREW MEDICAL CONTACT LENS STUDY GROUP: OPERATIONAL PROBLEMS
   Dennis, R.J., T.J. Tredici, D.J. Ivan, and W. Jackson
   Aviation, Space and Environmental Medicine, Vol. 67, No. 4, Apr 96

7. MAY HIGH G-ACCELERATION FORCES AND PRESSURE CAUSES RETINAL CHANGES?
   Stern, C., T.J. Tredici, M.T. Ryles, J. Perez, and D.J. Ivan
   Abstract: Aviation, Space and Environmental Medicine, Vol. 67, No. 7, Jul 96

8. OCULAR SURVEILLANCE OF LASER WORKERS
   Tredici, T.J.
   Information about eye care pamphlet, American Academy of Ophthalmology, San Francisco, CA, Jul 96

9. USAF PILOT WITH TRAUMATIC APHAKIA RETURNS TO THE COCKPIT
   Dennis, R.J., and D.J. Ivan
   Contact Lens Spectrum, 1996; (2):53.
OPHTHALMOLOGY BRANCH

1996 Presentations

1. THE USE OF CONTACT LENSES FOR THE CORRECTION OF APHAKIA IN USAF AVIATORS
   Tredici T.J., C. Stern, J. Burroughs, R. Dennis, and D. J. Ivan
   Lecture: Aerospace Medical Association Meeting, Atlanta GA, May 96

2. PROTECTION OF THE EYE AGAINST NUCLEAR FLASH: A HISTORICAL REVIEW
   Tredici, T.J.
   Lecture: Aerospace Medical Association Meeting, Atlanta GA, May 96

3. OCULAR TRAUMA IN USAF AVIATORS SEEN AT THE AEROMEDICAL
   CONSULTATION CENTER (ACS) ARMSTRONG LAB: EVALUATION AND
   DISPOSITION
   Angle, B., T.J. Tredici, and J. Perez
   Lecture: USAF Clinical Surgeons Meeting, San Antonio TX, Apr 96

4. MANAGEMENT OF OPHTHALMIC CASUALTIES IN SOUTHEAST ASIA 30 YEARS
   LATER LESSONS LEARNED?
   Tredici, T.J.
   Lecture: USAF Clinical Surgeons Meeting, San Antonio, TX, Apr 96

5. EDUCATIONAL ACTIVITIES IN THE CLINICAL SCIENCES DIVISION (AOC)
   Tredici, T.J.
   Presented at AOC Restructuring Summit at USAF School of Aerospace Medicine, Brooks
   AFB TX, Aug 96

6. THE 1996 AIRCREW SOFT CONTACT LENS PROGRAM, THE VEEP IPT SURVEY
   AND THE NEW AIRCREW SPECTACLE FRAME PROGRAM
   Dennis, R.J.
   Presented to the Department of Ophthalmology Staff, WHMC, Lackland AFB TX, 8 Mar 96.

7. CONTACT LENS CLEANING/DISINFECTION SYSTEMS
   Dennis, R.J.
   Presented at the Advisory Group for Aerospace Research & Development’s (AGARD) Short
   Course on the “Operational Use of Contact Lenses by Military Aircrew”, Utrecht, The
   Netherlands and Rome, Italy, 11-21 Jun 96.

8. THE USAF AIRCREW SOFT CONTACT LENS PROGRAM
   Dennis, R.J.
   Presented at the Advisory Group for Aerospace Research & Development’s (AGARD) Short
   Course on the “Operational Use of Contact Lenses by Military Aircrew”, Utrecht, The
   Netherlands and Rome, Italy, 11-21 Jun 96.
9. CONTACT LENS WEAR DURING OPERATION DESERT STORM  
   *Dennis, R.J.*  
   Presented at the Advisory Group for Aerospace Research & Development’s (AGARD) Short Course on the “Operational Use of Contact Lenses by Military Aircrew”, Utrecht, The Netherlands and Rome, Italy, 11-21 Jun 96

10. HISTORY OF CONTACT LENSES  
    *Tredici, T.J.*  
    Presented at the AGARD Short Course on the “Operational Use of Contact Lenses by Military Aircrew”, Utrecht, The Netherlands and Rome, Italy, 11-21 Jun 96

11. OPTICAL CORRECTION BY CONTACT LENSES  
    *Tredici, T.J.*  
    Presented at the AGARD Short Course on the “Operational Use of Contact Lenses by Military Aircrew”, Utrecht, The Netherlands and Rome, Italy, 11-21 Jun 96

12. EFFECT OF AEROSPACE ENVIRONMENT ON CONTACT LENS WEAR  
    *Tredici, T.J.*  
    Presented at the AGARD Short Course on the “Operational Use of Contact Lenses by Military Aircrew”, Utrecht, The Netherlands and Rome, Italy, 11-21 Jun 96

13. CORNEAL ANATOMY & PHYSIOLOGY  
    *Ivan, D.J.*  
    Presented at the AGARD Short Course on the “Operational Use of Contact Lenses by Military Aircrew”, Utrecht, The Netherlands and Rome, Italy, 11-21 Jun 96

14. SOFT CONTACT LENS MATERIALS  
    *Ivan, D.J.*  
    Presented at the AGARD Short Course on the “Operational Use of Contact Lenses by Military Aircrew”, Utrecht, The Netherlands and Rome, Italy, 11-21 Jun 96

15. OCULAR COMPLICATION SECONDARY TO CONTACT LENS WEAR  
    *Ivan, D.J.*  
    Presented at the AGARD Short Course on the “Operational Use of Contact Lenses by Military Aircrew”, Utrecht, The Netherlands and Rome, Italy, 11-21 Jun 96

16. OPERATIONAL PROBLEMS OF CONTACT LENS WEAR  
    *Ivan, D.J.*  
    Presented at the AGARD Short Course on the “Operational Use of Contact Lenses by Military Aircrew”, Utrecht, The Netherlands and Rome, Italy, 11-21 Jun 96

17. USAF AIRCREW VISION STANDARDS  
    *Ivan, D.J.*  
    Presented at SG/AFMOA, Washington D.C., 21 Feb 96

18. USAF LASER ACCIDENT REPORT  
    *Ivan, D.J.*  
    Lasers on the Modern Battlefield Course, San Antonio, TX, 19 Feb 96
19. AEROOPHTHALMOLOGY UPDATE
   Ivan D.J., T.J. Tredici, and R. Dennis.
   Presented at the Occupational Aeromedical Problem Course, School of Aerospace Medicine,
   Brooks AFB, TX, 25 Jan 96

20. AEROPHTHALMOLOGY OVERVIEW
   Ivan D.J. and T.J. Tredici
   SAM, USHUS, June/July 96

21. COLOR VISION ISSUES IN MODERN MILITARY AVIATION
   Ivan, D.J.
   Presented at Canadian Forces Flight Surgeons Course, DCIEM, Toronto, Canada, 28 Mar 96

22. REFRACTIVE SURGERY UPDATE
   Ivan, D.J.
   Presented at Canadian Forces Flight Surgeons Course, DCIEM, Toronto, Canada, 28 Mar 96

23. USAF COUNTRY REPORT
   Ivan, D.J.
   Presented at Air Standardization Coordinating Committee (ASCC) Annual Meeting, RAF
   Innsworth, Gloucester, 5 Nov 96

24. CONTACT LENS ISSUES IN MILITARY AVIATION
   Ivan, D.J.
   Presented at RAF Middle Wyallop Day, RAF Middle Wyallop, 3 Nov 96

25. REFRACTIVE SURGERY ISSUES IN MILITARY AVIATION
   Ivan, D.J.
   Presented at RAF Middle Wyallop Day, RAF Middle Wyallop, 3 Nov 96

26. AEROOPHTHALMOLOGY UPDATE
   Ivan, D.J.
   Presented at Society Air Force Clinical Surgeons Annual Meeting, San Antonio, TX, Apr 96

27. OPERATIONAL SUPPORT ACTIVITIES IN THE CLINICAL SCIENCES DIVISION
   (AOC)
   Ivan, D.J.
   Presented at AOC Restructuring Summit at USAF School of Aerospace Medicine, Brooks
   AFB TX, Aug 96

28. OPHTHALMOLOGY BRANCH OVERVIEW
   Ivan, D.J.
   Presented at AOC Science & Technology Overview, San Antonio, TX, 17 Apr 96

29. VISION STANDARDS/ SELECTION OVERVIEW
   Ivan, D.J.
   Presented at NATO-AGARD AMP Panel Working Group 24, Paris, France, 22 May 96

30. OPERATIONAL ASPECTS OF COLOR VISION
   Ivan, D.J.
   Presented at NATO-AGARD AMP Panel Working Group 24, Paris, France, 22 May 96
1996 Presentations (continued)

31. COLOR VISION TESTING & METHODOLOGY  
Yates, J.T.  
Presented at NATO-AGARD AMP Panel Working Group 24, Paris, France, 22 May 96

32. AIRCREW LASER THREATS  
Ivan, D.J.  
Presented at NATO-AGARD AMP Panel Workshop on Laser Bioeffects, Copenhagen, Denmark, 3 Oct 96

33. NATO-AGARD AMP PANEL LASER WORKSHOP REPORT  
Ivan, D.J.  
Presented at NATO-AGARD AMP Panel Business Meeting, Copenhagen, Denmark, 11 Oct 96

34. NATO-AGARD AMP PANEL SHORT COURSE REPORT  
Ivan, D.J.  
Presented at NATO-AGARD AMP Panel Business Meeting, Copenhagen, Denmark, 11 Oct 96

35. NATO-AGARD AMP PANEL SENSORY SYSTEM/ NEUROSCIENCES GROUP REPORT  
Ivan, D.J.  
Presented at NATO-AGARD AMP Panel Business Meeting, Copenhagen, Denmark, 11 Oct 96

36. COLOR VISION REVISITED  
Ivan, D.J.  
Presented at Defense & Civil Institute of Environmental Medicine(DCIEM), Toronto, Canada, 31 Oct 96
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1. CORNEAL ABNORMALITIES DETECTED BY VIDEOKERATOGRAPHY IN USAF PILOT CANDIDATES
   Smith, R.E., J.C. Caster, and B.N. Angle, et. al.
   Investigation Ophthalmological Visual Science, 1997; 38: S847

2. VISUAL PERFORMANCE WITH NIGHT VISION GOGGLES AFTER PHOTOREFRACTIVE KERATECTOMY
   Baldwin, B.J., R.E. Smith, and D.J. Ivan

3. AEROSPACE VISUAL PRINCIPLES AND PROBLEMS
   Tredici, T.J.
   Pamphlet - USAF School of Aerospace Medicine, Sept 97

4. THE RESULT OF THE 1995 USAF AIRCREW OPERATIONAL VISION SURVEY (ABSTRACT)
   Dennis, R.J., D.J. Ivan, R.E. Miller, T.J. Tredici, and R.P. Belihar
   Aviation, Space and Environmental Medicine, May 97

5. OCULAR PROBLEMS OF THE AGING MILITARY AVIATOR
   Tredici, T.J., B. Angle, and D.J. Ivan
   Abstract: Aviation, Space and Environmental Medicine, May 97

6. OCULAR FINDINGS FOLLOWING EXPOSURE TO MICROWAVE RADIATION
   Tredici, T.J.
   Abstract: AAO Program, Oct 97
1. **KERATOREFRACTIVE SURGERY IN USAF AIRCREW**
   *Ivan, D.J.*
   Presented to US Army Sponsored Civilian Review of Refractive Surgery, American Institute of Biological Sciences, Fairfax Virginia (Sep 97)

2. **USAF LASER ACCIDENT REPORT**
   *Ivan, D.J.*
   Presented to Lasers on the Modern Battlefield Symposium Sponsored by the US Army Medical Research Detachment, Brooks, AFB TX, Jan 97

3. **THE USAF AIRCREW OPERATIONAL VISION SURVEY**
   *Ivan, D.J.*
   Presented to the Aerospace Medical Association Annual Meeting Chicago IL May 97

4. **THE RESEARCH CONTRIBUTIONS OF THE USAF AEROMEDICAL CONSULTATION SERVICE**
   *Ivan, D.J.*
   Presented to the Aerospace Medical Association annual Meeting, Chicago IL May 97

5. **THE JOHN LANE GUEST SPEAKER**
   *Ivan, D.J.*
   Presented to the Aviation Medical Society of Australia Annual Symposium, Maroochydore, Australia, Sep 97

6. **THE JOHN LANE GUEST SPEAKER**
   *Ivan, D.J.*
   Presented to the Aviation Medical Society of New Zealand, Taupo, New Zealand, Sept 97

7. **THE OPTICAL EFFECTS OF TEAR FILM DISRUPTION**
   *Tutt, R.C., C.G. Begley, A. Bradley, and L. Thibos*
   Poster Presentation at ARVO, 11-16 May 1997

8. **CORNEAL ABNORMALITIES DETECTED BY VIDEOKERATOGRAPHY IN USAF PILOT CANDIDATES**
   *Smith, R.E., J.C. Caster, and B.N. Angle, et. al.*
   Poster Presentation at ARVO, May 1997

9. **USAF PERSPECTIVE OF REFRACTIVE SURGERY**
   *Smith, R.E.*
   Presentation at UTHSC and military Ophthalmology staff and residents at Ophthalmology Grand Rounds, Sep 1997

10. **OPTICAL EFFECTS OF TEAR FILM BREAKUP WITH AND WITHOUT SOFT CONTACT LENSES**
    *Tutt, R.C., C.G. Begley, A. Bradley, and L. Thibos*
    Presentation at American Academy of Optometry, 11-14 Dec 1997
1997 Presentations (continued)

11. OCULAR PROBLEMS OF THE AGING MILITARY AVIATOR
   Tredici, T.J., B.N. Angle, and D.J. Ivan
   Presentation: Aerospace Medical Association Meeting, Chicago, IL, 12 May 97

12. PARALLEL PATHWAYS, NOISE MASKING AND GLAUCOMA DETECTION
   Yates, J.T.
   Presented at Symposium for the Frangui Chair, 20 Jun 97, Catholic University,
   Leuven, Belgium

13. OCULAR FINDINGS FOLLOWING EXPOSURE TO MICROWAVE RADIATION
   Tredici, T.J.

14. DIPLOMA IN AVIATION MEDICINE COURSE
   Tredici, T.J.
   Eight Presentations at the RAF “Diploma in Aviation Medicine Course” at
   Farnborough U.K., 22-26 Mar 97.
1. PRIMARY IDIOPOTHIC OPTIC NEURITIS IN US AIR FORCE AVIATORS
   Ivan, J.D., T.J. Tredici, J.R. Burroughs, A. Pasquale, J.R. Hickman, H. Cuervo, and J. Gooch
   Abstract: Aviation, Space, and Environmental Medicine, Vol 69, No. 2, Feb 98

2. PROTECTION OF THE AVIATOR VISION FROM HIGH INTENSITY LIGHT: A HISTORICAL REVIEW
   T.J. Tredici
   Abstract: Aviation, Space, and Environmental Medicine, Vol 69, No. 3, Mar 98

3. AEROSPACE VISION UPDATE
   Ivan, D.J., and T.J. Tredici
   Abstract: Aviation, Space, and Environmental Medicine, Vol 69, No. 3, Mar 98

4. INTRAOCULAR LENSES IN USAF AVIATORS
   Tredici, T.J., Burroughs, J.R., and B.N. Angle
   Abstract: Aviation, Space, and Environmental Medicine, Vol 69, No. 3, Mar 98

5. MONOVISION AND ITS CONSEQUENCES
   Perez, J.L., and T.J. Tredici
   Abstract: Aviation, Space, and Environmental Medicine, Vol 69, No. 3, Mar 98

6. DOES TRANSCLERAL DIODE LASER RETINOPEXY ENHANCE DISPERSION OF VIABLE RETINAL PIGMENT EPITHELIAL CELLS?
   LoRusso, F.J.
   ARVO, May 98, published abstract

7. LETTERS TO THE EDITOR: REMEMBERING AN ASTRONAUT
   Tredici, T.J.
   Eye Net Magazine, Oct 98

8. OCULAR TRAUMA IN MILITARY AVIATORS
   Tredici, T.J., Angle, B.N., Ivan, D.J., and J.P. Perez

9. CORNEAL ABNORMALITIES DETECTED BY VIDEOKERATOGRAPHY IN USAF PILOT CANDIDATES
   Investigation Ophthalmological Visual Science, 1998; 38: S847

10. VISUAL PERFORMANCE WITH NIGHT VISION GOGGLES AFTER PHOTOREFRACTIVE KERATECTOMY
    Baldwin, B.J., R.E. Smith, and D.J. Ivan
1998 Publications (continued)

11. COLOR VISION DEFICITS DURING LASER LITHOTRIPSY USING SAFETY GOGGLES FOR CORMARIN GREEN OR ALEXANDRITE BUT NOT WITH HOLMIUM: YAG LASER SAFETY GOGGLES

12. PARALLEL PATHWAYS, NOISE MASKING AND GLAUCOMA DETECTION: BEHAVIORAL AND ELECTROPHYSIOLOGICAL MEASURES
   Yates, J.T., Leys, M.J., Green, M., Huang, W., Charlton, J., Reed, J., Bao-Zhong, D., and J.V. Odom
   In Press, Documenta Ophthalmologica, 1998

13. DOES TRANSCLERAL DIODE LASER RETINOPEXY ENHANCE DISPERSION OF Viable RETINAL PIGMENT EPITHELIAL CELLS?
   LoRusso, F.J.
   ARVO, May 98, published abstract

14. PREDICTING VISUAL PERFORMANCE OF NIGHT VISION GOGGLES (NVG) WITH HIGH AND LOW CONTRAST EYELANE CHART ACUITY.
   Ivan, D.J., et al
   Submitted to Investigative Ophthalmology and Visual Science (ARVO Meeting) 1995

15. MS (1998) INTRAOCULAR SUPPRESSION OF SUPRATHRESHOLD STIMULUS PROBES
   Baldwin, B.J.
OPHTHALMOLOGY BRANCH

1998 Presentations

1. LASERS ON THE MODERN BATTLEFIELD
   Ivan, D.J., et. al.
   Presented to USAMRD, San Antonio, TX, Jan 98

2. KERATOREFRACTIVE SURGERY IN THE MILITARY
   Ivan, D.J.
   USAF Operational Aeromedical Problems Course, School of USAF Aerospace Medicine, Jan 98

3. USAF AIRCREW VISION STANDARDS
   Ivan, D.J.
   Presented to USAF Surgeon General Vision Summit, Washington DC, Jan 98

4. KERATOREFRACTIVE SURGERY IN THE MILITARY
   Ivan, D.J.
   USAF Surgeon General Vision Summit, Washington DC, Jan 98

5. AEROSPACE OPHTHALMOLOGY-HISTORY AND REVIEW
   Tredici, T.J.
   Diploma in Aviation Medicine Class, Farnborough, UK, 9-12 Mar 98

6. IMPORTANCE OF NIGHT VISION IN MILITARY AVIATION
   Tredici, T.J.
   Diploma in Aviation Medicine Class, Farnborough, UK, 9-12 Mar 98

7. NIGHT VISION DEVICES FOR THE MILITARY AVIATOR
   Tredici, T.J.
   Diploma in Aviation Medicine Class, Farnborough, UK, 9-12 Mar 98

8. REFRACTIVE SURGERY IN THE MILITARY AVIATOR
   Tredici, T.J.
   Diploma in Aviation Medicine Class, Farnborough, UK, 9-12 Mar 98

9. CONTACT LENS BASIC FOR THE FLIGHT SURGEONS
   Tredici, T.J.
   Diploma in Aviation Medicine Class, Farnborough, UK, 9-12 Mar 98

10. EFFECTS OF AEROSPACE ENVIRONMENT ON CONTACT LENS WEAR
    Tredici, T.J.
    Diploma in Aviation Medicine Class, Farnborough, UK, 9-12 Mar 98

11. AERO-OPHTHALMOLOGICAL DISEASE – A REVIEW (OPHTHALMOLOGY CLINICAL MANAGEMENT GROUPS)
    Tredici, T.J.
    Diploma in Aviation Medicine Class, Farnborough, UK, 9-12 Mar 98
1998 Presentations (continued)

12. VISION IN MILITARY AVIATION  
   Tredici, T.J.  
   Diploma in Aviation Medicine Class, Farnborough, UK, 9-12 Mar 98

13. OPERATIONAL COLOR VISION UPDATE  
   Ivan, D.J.  
   Canadian Forces Flight Surgeons Course, DCIEM, Toronto, Canada, Mar 98

14. REFRACTIVE SURGERY UPDATE  
   Ivan, D.J.  
   Canadian Forces Flight Surgeons Course, DCIEM, Toronto, Canada, Mar 98

15. KERATOREFRACTIVE SURGERY IN THE MILITARY  
   Ivan, D.J., et al  
   Presented to the Wilmer Ophthalmological Institute Current Concepts in Ophthalmology,  
   Colorado Springs, CO, 15-20 Mar 98

16. OCULAR TRAUMA FOR NON OPHTHALMOLOGIST  
   LoRusso, F.J.  
   Presented to Society of Air Force Clinical Surgeons General Meeting, San Antonio, TX Apr 98

17. AEROSPACE OPHTHALMOLOGY CHALLENGES  
   Ivan, D.J.  
   Presented to the Air Force Clinical Surgeons, San Antonio, TX, Apr 98

18. PHOTOREFRACTIVE KERATECTOMY (PRK) IN MYOPIC ACTIVE DUTY US AIR FORCE MEMBERS: PRELIMINARY RESULTS (SG STUDY 95-183)  
   Ivan, D.J., et al  
   Society of Air Force Clinical Surgeons Meeting, San Antonio, Texas, Apr 98

19. AEROSPACE VISION PANEL  
   Ivan, D.J.  
   Presented to Aerospace Vision Symposium, Aerospace Medical Association Annual  
   Meeting, Seattle WA, May 98

20. US AIR FORCE ENHANCED FLIGHT SCREENING - OPHTHALMOLOGY  
   Ivan, D.J., and J.C. Caster  
   Presented to Aerospace Vision Symposium, Aerospace Medical Association Annual  
   Meeting, Seattle WA, May 98

21. THE 1995 USAF OPERATIONAL VISION SURVEY - SAFETY OF FLIGHT ISSUES  
   Ivan, DJ and J.B. Baldwin.  
   Presented to Aerospace Vision Symposium, Aerospace Medical Association Annual  
   Meeting, Seattle WA, May 98

22. AEROSPACE VISION UPDATE  
   Ivan, D.J., et.al.  
   Presented to Aerospace Vision Symposium, Aerospace Medical Association Annual  
   Meeting, Seattle WA, May 98
1998 Presentations (continued)

23. REFRACTIVE SURGERY IN AVIATORS
   Ivan, D.J., et al.
   Presented to Aerospace Vision Symposium, Aerospace Medical Association Annual
   Meeting, Seattle WA, May 98

24. THE LASER THREAT
   Ivan, D.J., et al.
   Presented to Aerospace Vision Symposium, Aerospace Medical Association Annual
   Meeting, Seattle WA, May 98

25. PROTECTION OF THE AVIATOR VISION FROM HIGH INTENSITY LIGHT
   Tredici, T.J.
   ASMA Meeting, Seattle, WA, 20 May 98

26. INTRAOCULAR LENSES IN USAF AVIATORS
   Tredici, T.J.
   ASMA Meeting, Seattle, WA, 19 May 98

27. MILITARY UNIQUE OPHTHALMOLOGY READINESS TRAINING/HUMANITARIAN
    EYE MISSIONS TO DEVELOPING COUNTRIES
   LoRusso, F.J.
   Presented to USUHS Ocular Trauma Course, May 98

28. OCULAR TRAUMA FOR NON OPHTHALMOLOGIST
   LoRusso, F.J.
   Presented to 59 MW TRACS (Trauma Refresher Course for Surgeons), Feb-May 98

29. MODERN COLOUR VISION ISSUES
   Ivan, D.J.
   Presented to the International Civil Aviation Organization (ICAO) Color Vision Working
   Group, Seattle Wash, May 98

30. NATO SHORT COURSE: "COLOUR VISION IN MODERN OPERATIONAL
    ENVIRONMENTS"
   Ivan, D.J., et al
   Presented 16-18 Jul 98 (Munich, Germany)
   Presented 21-23 Jul 98 (Madrid, Spain)
   Presented 18-20 Nov 98 (San Antonio, Texas)

31. NATO SHORT COURSE: "NATO-PFP Introductory Flight Surgeons
    Course"
   Ivan, D.J., et al
   Presented 13-14 Sep 98, Military Medicine Academy, (Kiev, Ukraine)
   Presented 16-17 Sep 98, Polish Air Force Institute of Aviation Medicine, (Warsaw, Poland)
   Presented 20-21 Sep 98, Aeromedical Hospital of Hungary, (Budapest, Hungary)

32. PHYSIOLOGY
   LoRusso, F.J.
   Presented to University of Texas Health Science Center, San Antonio TX, Oct 98
33. RETINAL DETACHMENT
   LoRusso, F.J.
   Presented to University of Texas Health Science Center, San Antonio TX, Oct 98

34. COLOUR IN MODERN OPERATIONAL ENVIRONMENTS
   Ivan, D.J., et al
   Presented to NATO-RTO Human Factors and Medicine Panel, San Diego, CA, Oct 98

35. OCULAR TRAUMA IN MILITARY AVIATORS
   Tredici, T.J., Angle B.N., Ivan, D.J., and J.P. Perez
   Poster #308, AAO Meeting, New Orleans, LA, 9 Nov 98

36. GLAUCOMA REVIEW AND TONOMETRY DEMONSTRATION
   Tredici, T.J.
   Lecture JCAHPO Continuing Education Program, American Academy of Ophthalmology Meeting, New Orleans, LA, 7-11 Nov 98

37. THE PATHOLOGY OF OCULAR TRAUMA
   LoRusso, F.J.
   Presented to AMSUS 1998 National Meeting, November 98

38. USAF COUNTRY REPORT
   Ivan, D.J., et al
   Working Party, 38th ASCC Meeting, Pensacola, FL, Nov 98
PUBLICATIONS AND PRESENTATIONS OF THE OPHTHALMOLOGY BRANCH
USAF SCHOOL OF AEROSPACE MEDICINE

OPHTHALMOLOGY BRANCH

1999 Publications

1. AEROSPACE OPHTHALMOLOGY PRIMARY COURSE LECTURES
   T.J. Tredici, (written and edited)
   USAFSAM, Brooks AFB, TX, March 1999

2. LOW CONTRAST VISUAL ACUITY FOLLOWING MYOPIC
   PHOTOREFRACTIVE KERATECTOMY (PRK) IN US AIR FORCE MEMBERS
   D.A. Johns, B. Baldwin, T.J. Tredici, et.al.

3. THE 1995 AIRCREW OPERATIONAL VISION SURVEY: RESULTS,
   ANALYSIS, AND RECOMMENDATIONS
   B. Baldwin, R.J. Dennis, and T.J. Tredici, et.al.

4. OCULAR PROBLEMS OF THE AGING MILITARY AVIATOR
   T.J. Tredici, and D.J. Ivan
   Abstract: AGARD, Toulon, France, Oct 1999

5. INTRAOCULAR LENSES IN MILITARY AIRCREW
   D.J. Ivan, and T.J. Tredici
   Abstract: AGARD, Toulon, France, Oct 1999

6. LETTER TO THE EDITOR: YET ANOTHER "CAUSE" OF MYOPIA
   T.J. Tredici
   Ophthalmology Times, Jun 1999

7. AIRCREW VISORS AND COLOR VISION PERFORMANCE: A COMPARITIVE
   (PILOT STUDY) ANALYSIS
   P.A. Young, D.J. Ivan, and J.L. Perez-Becerra
   Aerospace and Environmental Medicine, Vol 70, #4, April 99

8. OCULAR PROBLEMS OF THE AGING MILITARY AVIATOR: PRESBYOPIA
   T.J. Tredici, and D.J. Ivan
   Abstract: Aerospace and Environmental Medicine, Vol 70, #4, Apr 1999

9. INITIAL EVALUATION OF PHOTOREFRACTIVE KERATECTOMY IN USN
   AND USMC AVIATORS
   S.C. Schallhorn, D.J. Tanzer, S.E. Kaupp, et al
   Aerospace and Environmental Medicine, Vol 70, #4, April 99

10. THE RECOMMENDATIONS OF NATO RTO WORKING GROUP 24 ON
    "OPERATIONAL COLOR VISION IN MODERN AVIATION"
    D.J. Ivan, J.P. Menu, A. Leger, et.al.
    Abstract: Aerospace and Environmental Medicine, Vol 70, #4, April 99
1999 Publications (continued)

11. THE USE OF AGAR IN THE IN THE OPHTHALMIC PATHOLOGY LAB
   F.J. LoRusso and R. Font
   Ophthalmology, Nov 1999

12. SURGICAL REMOVAL OF SUBFOVEAL CHOROIDAL
    NEOVASCULARIZATION IN AGE-RELATED MACULAR DEGENERATION
   F.J. LoRusso, P. Merrill, E.M. Sax, et.al.
   Ophthalmology, May 1999

13. HIGH AND LOW CONTRAST VISUAL ACUITY FOLLOWING MYOPIC PRK
    IN US AIR FORCE MEMBERS
   R.C. Tutt, J.B. Baldwin, D.A. Johnson, et.al.
   Abstract: Optometry and Vision Science, 76(12s), 260, Dec 99

14. EVALUATION OF VISUAL PERFORMANCE WITH NIGHT VISION GOGGLES
    AFTER PRK
   S.E. Kaupp, S.E. Shallhorn, J. Baldwin, et.al.
   Abstract: Optometry and Vision Science, 76(12s), 260, Dec 99

15. LOW CONTRAST VISUAL ACUITY FOLLOWING MYOPIC
    PHOTOREFRACTIVE KERATECTOMY IN ACTIVE DUTY U.S. AIR FORCE
    MEMBERS
   D.A. Johnson, J.B. Baldwin, F.J. LoRusso, et.al.
   Abstract: Optometry and Vision Science, 76(12s), 260, Dec 99
1. AEROSPACE OPHTHALMOLOGY LECTURES (6 TOPICS)
   T.J. Tredici
   Presented at Univ of Texas Medical Branch, Galveston, TX, Aug 1999

2. OCULAR PROBLEMS OF THE AGING MILITARY AVIATOR: PRESBYOPIA
   T.J. Tredici
   Presented at Aerospace Medical Association Meeting, Detroit MI, May 1999

3. OPERATIONAL VISION UPDATE
   D.J. Ivan
   Presented to Team Aerospace Operational Problems Course, USAFSAM, San Antonio, TX, Jan 99

4. REFRACTIVE SURGERY IN THE MILITARY
   D.J. Ivan
   Presented to the 1999 Canadian Forces Advanced Flight Surgeon's Course, DCIEM, Toronto, Canada, Feb 99

5. 1999 AEROSPACE VISION UPDATE
   D.J. Ivan
   Presented to the 1999 Canadian Forces Advanced Flight Surgeon's Course, DCIEM, Toronto, Canada, Feb 99

6. REPORT OF THE NATO WORKING GROUP ON ACUTE INCAPACITATION FROM LASERS
   D.J. Ivan
   Presented at the 20th Lasers on the Modern Battlefield Course, Sponsored by USAMRD, Brooks AFB TX, Feb 99

7. USAF LASER RESEARCH AND THREAT ASSESSMENT
   D.J. Ivan
   Presented to the International Civil Aviation Organization (ICAO), Laser Threat Working Group, Montreal, Canada, Mar 99

8. KERATOREFRACTIVE SURGERY IN THE MILITARY
   D.J. Ivan
   Presented at the Current Concepts in Ophthalmology Course Sponsored by the Wilmer Eye Institute of Johns Hopkins University, Vail, CO, Mar 99

9. MODERN OPERATIONAL AIRCREW VISION ISSUES
   D.J. Ivan
   Presented at the Current Concepts in Ophthalmology Course Sponsored by the Wilmer Eye Institute of Johns Hopkins University, Vail, CO, Mar 99
1999 Presentations (continued)

10. AIRCREW LASER THREAT AND LASER EYE PROTECTION  
   D.J. Ivan  
   Presented at the Current Concepts in Ophthalmology Course Sponsored by the 
   Wilmer Eye Institute of Johns Hopkins University, Vail, CO, Mar 99

11. AIRCREW LASER PROTECTION ISSUES  
   D.J. Ivan  
   Presented at the Laser Safety Standard Working Group (LSSWG), USHUS, 
   Bethesda, MD, Mar 99

12. REPORT OF THE NATO-AGARD LASER WORKSHOP  
   D.J. Ivan  
   Presented at the NATO-RTO Human Factors and Medicine Panel Symposium, 
   Antalya, Turkey, Apr 99

13. KERATOREFRACTIVE SURGERY IN THE MILITARY  
   D.J. Ivan  
   Presented at the RAF Diploma in Aviation Medicine, RAF Henlow, UK, Apr 99

14. NIGHT VISION DEVICES  
   D.J. Ivan  
   Presented at the RAF Diploma in Aviation Medicine, RAF Henlow, UK, Apr 99

15. THE LASER THREAT AND LASER EYE PROTECTION  
   D.J. Ivan  
   Presented at the RAF Diploma in Aviation Medicine, RAF Henlow, UK, Apr 99

16. OPERATIONAL VISION ISSUES  
   D.J. Ivan  
   Presented at the RAF Diploma in Aviation Medicine, RAF Henlow, UK, Apr 99

17. RECOMMENDATIONS AND CONCLUSIONS OF THE NATO-AGARD  
    WORKING GROUP 24: OPERATIONAL COLOR VISION ISSUES IN MODERN  
    AVIATION  
   Ivan, et.al.  
   Presented at Aerospace Medical Association Annual Meeting, Detroit, MI, May 99

18. PREDICTING VISUAL PERFORMANCE OF NIGHT VISION GOGGLES (NVG)  
    WITH HIGH AND LOW CONTRAST EYELANE CHART ACUITY  
   Baldwin, Ivan, LoRusso, Tutt, Hiers, and Thompson  
   ARVO, Sarasota Springs, Florida, May 99

19. KERATOREFRACTIVE SURGERY IN THE MILITARY/UPDATE OF USAF  
    PRK STUDY  
   D.J. Ivan  
   Presented at DCIEM, Toronto, Canada Jun 99

20. KERATOREFRACTIVE SURGERY ISSUES IN MICROGRAVITY  
    D.J. Ivan  
    Presented at NASA Johnson Space Center, Houston, Texas Jun 99
21. MONOVISION AND THE LASER THREAT
   D.J. Ivan
   Invited speaker; presented at the Civil Aviation Medical Association (CAMA) Annual Scientific Meeting, Toronto, Canada, 15-18 Sept 99

22. INTRAOCULAR LENSES IN MILITARY AIRCREW
   Ivan DJ and Tredici TJ
   Presented and Published in Proceedings of NATO-RTO Human Factors and Medicine Panel Symposium, Toulon, France, Oct 99

23. OCULAR PROBLEMS OF THE AGING MILITARY AVIATOR
   Tredici TJ and Ivan DJ
   Presented and Published in Proceedings of NATO-RTO Human Factors and Medicine Panel Symposium, Toulon, France, Oct 99

24. USAF NATIONAL REPORT
   D.J. Ivan
   ASCC WP61 Meeting, 39th Adelaide, Australia (Proceedings and Presentation), Nov 99

25. STRATEGIES FOR ALTERING THE DISTRIBUTION OF ENERGY TO MINIMIZE OPTICAL ABERRATIONS FROM CLINICAL EXCIMER LASER PHOTOABLATION
   J.B. Baldwin
   Presented to the American Academy of Optometry Meeting, Section on Public Health and Environmental Optometry, Symposium on LASERS-Ocular Effects, Hazards, and Protection, Seattle, WA, Dec 99

26. USAF PRK STUDY: DESIGN, GOALS AND 6/12 MONTH RESULTS
   J.B. Baldwin, and R.C. Tutt
   Presented to the Alamo Tri-Service Optometric Society, San Antonio, TX, Nov 99
1. REFRACTIVE SURGERY IN USAF AIRCREW
   D.J. Ivan
   Abstract: Aviation, Space and Environmental Medicine, Vol 71, #1, Mar 2000

2. PREDICTING VISUAL PERFORMANCE IN USERS OF NIGHT VISION GOGGLES (NVG)
   J.B. Baldwin, B. Thompson, T.J. Yates, Johnson DA, LoRusso FJ, Tredici TJ.
   Abstract: Aviation, Space and Environmental Medicine, Vol 71, #1, Mar 2000

3. OVERVIEW OF THE USAF PHOTOREFRACTIVE KERATECTOMY (PRK) RESEARCH STUDY (PANEL)
   D.J. Ivan, Tredici TJ.
   Abstract: Aviation, Space and Environmental Medicine, Vol 71, #1, Mar 2000

4. USAF PRK STUDY-SURGICAL METHODOLOGY AND COMPLICATION PROFILE FOLLOWING MYOPIC PHOTOREFRACTIVE KERATECTOMY (PRK)
   D.A. Johnson, S.G. Waller, J.B. Baldwin, et.al.
   Abstract: Aviation, Space and Environmental Medicine, Vol 71, #1, Mar 2000

5. USAF PHOTOREFRACTIVE KERATECTOMY (PRK) STUDY-PRELIMINARY VISUAL AND REFRACTIVE ERROR OUTCOMES
   F.J. LoRusso, R.C. Tutt, J.B. Baldwin, et.al.
   Abstract: Aviation, Space and Environmental Medicine, Vol 71, #1, Mar 2000

6. CONTRAST SENSITIVITY, GLARE AND PRK-A PROGRESS REPORT
   T.J. Yates, K.W. Stevens, R.S. Linnemeyer, et.al.
   Abstract: Aviation, Space and Environmental Medicine, Vol 71, #1, Mar 2000

7. NIGHT VISION GOGGLE ACUITY AFTER PHOTOREFRACTIVE KERATECTOMY (PRK)
   R.C. Tutt, J.B. Baldwin, D.J. Ivan, T.J. Tredici, et.al.
   Abstract: Aviation, Space and Environmental Medicine, Vol 71, #1, Mar 2000

8. PRESENT AND FUTURE USAF POLICY ON REFRACTIVE SURGERY
   S.G. Waller, D.J. Ivan, J.B. Baldwin, et.al.
   Abstract: Aviation, Space and Environmental Medicine, Vol 71, #1, Mar 2000

9. MELANOCYTOMA OF THE CILIARY BODY
   F.J. LoRusso and R. Font
   Ophthalmology, Apr 2000

10. TREATMENT OF GLAUCOMA IN AVIATORS
    T.J.Tredici and D.J. Ivan
    Abstract: Aviation, Space and Environmental Medicine, Vol 71, #1, Mar 2000
11. COMPARABILITY OF 4 METHODS OF MEASURING PUPIL SIZE  
   Poster, Association for Vision in Research and Ophthalmology Meeting, Ft Lauderdale FL, May 2000

12. SURGICAL REMOVAL OF SUBFOVEAL CHOROIDAL NEOVASCULARIZATION IN AGE-RELATED MACULAR DEGENERATION  
   D.A. Johnson, J.B. Baldwin, F.J. LoRusso, et.al.  
   Poster: Association for Vision in Research and Ophthalmology Meeting, Ft. Lauderdale FL, May 2000

13. IS PUPIL SIZE CORRELATED WITH VISUAL AND CONTRAST ACUITY BEFORE AND AFTER PRK?  
   Poster: Association for Vision in Research and Ophthalmology Meeting, Ft. Lauderdale FL, May 2000

14. QUANTITATIVE MEASUREMENT OF THE FORCES NECESSARY TO FOLD ALCON ACRYSOF INRAOCULAR LENSES (IOL)  
   B. Chacko, J. Croley, and J. Taboada.  
   Presented at ARVO, Ft. Lauderdale, FL, May 2000

15. POST PRK CORNEAL SCATTER MEASUREMENTS WITH A NOVEL SCANNING CONFOCAL SLIT PHOTON COUNTER IN OPHTHALMIC TECHNOLOGIES X  
   J. Taboada, D. Gaines, B. Baldwin, et.al.  

16. MEASUREMENTS OF THE POSTERIOR POLE OF THE RETINA  
   Tredici, T.J.  
   Handout for AMP and RAM courses USAFSAM Aug 2000

17. THE MANAGEMENT OF GLAUCOMA IN USAF AVIATORS  
   Tredici, T.J.  
   Abstract AAO Poster – Dallas, Tx Oct 2000
OPHTHALMOLOGY BRANCH

2000 Presentations

1. TREATMENT OF GLAUCOMA IN AVIATORS
   T.J. Tredici and D.J. Ivan
   Poster: Presented at Aerospace Medical Association Meeting, Houston TX, May 2000

2. MODERN OPERATIONAL AEROSPACE OPHTHALMOLOGY COURSE
   T.J. Tredici and D.J. Ivan
   Presented at a Short Course AGARD/RTO, Ramstein AFB, GE, Mar 2000

3. APPLIED ANATOMY & PHYSIOLOGY OF THE EYE
   T.J. Tredici and D.J. Ivan
   Presented at a Short Course AGARD/RTO, Ramstein AFB, GE, Mar 2000

4. VISUAL ACUITY IN AVIATION
   T.J. Tredici
   Presented at a Short Course AGARD/RTO, Ramstein AFB, GE, Mar 2000

5. CONTACT LENSES IN AVIATION
   T.J. Tredici
   Presented at a Short Course AGARD/RTO, Ramstein AFB, GE, Mar 2000

6. IOLS IN AVIATION
   T.J. Tredici
   Presented at a Short Course AGARD/RTO, Ramstein AFB, GE, Mar 2000

7. VISION IN MILITARY AVIATION
   T.J. Tredici
   Presented at a Short Course AGARD/RTO, Ramstein AFB, GE, Mar 2000

8. KERATOREFRACTIVE SURGERY IN THE USAF
   D.J. Ivan
   Presented at the Canadian Forces Advanced Flight Surgeon Course; DCIEM, Toronto, CA, 14 Feb 00
9. OPERATIONAL AEROSPACE OPHTHALMOLOGY ISSUES  
   D.J. Ivan  
   Presented at the Canadian Forces Advanced Flight Surgeon Course; DCIEM,  
   Toronto, CA, 14 Feb 00

10. THE USAF PRK STUDY  
    D.J. Ivan  
    Presented at the Lasers on the Modern Battlefield 21st Annual Conference, San  
    Antonio, TX, Mar 00

11. THE MANAGEMENT OF GLAUCOMA IN USAF AVIATORS  
    Tredici T.J., D.J. Ivan  
    Presented at the AAO Meeting Dallas, TX Oct. 2002

12. OCULAR PHOTOTOXICITY AND SUN PROTECTION  
    D.J. Ivan  
    Presented at the Johns Hopkins University, Wilmer Eye Institute, "Current  
    Concepts in Ophthalmology" Symposium, Vail CO, 13-14 Mar 00

13. REFRACTIVE SURGERY IN THE USAF  
    D.J. Ivan  
    Presented at the Johns Hopkins University, Wilmer Eye Institute, "Current  
    Concepts in Ophthalmology" Symposium, Vail CO, 13-14 Mar 00

14. INTRAOCULAR LENSES IN MILITARY AIRCREW  
    D.J. Ivan  
    Presented at the Johns Hopkins University, Wilmer Eye Institute, "Current  
    Concepts in Ophthalmology" Symposium, Vail CO, 13-14 Mar 00

15. NIGHT VISION AND NIGHT VISION DEVICES  
    D.J. Ivan  
    Presented at the NATO-RTO Short Course on "Modern Aerospace  
    Ophthalmology", Ramstein AB, GE, 27-28 Mar 00

16. OCULAR PROTECTION AND FILTERS  
    D.J. Ivan  
    Presented at the NATO-RTO Short Course on "Modern Aerospace  
    Ophthalmology", Ramstein AB, GE, 27-28 Mar 00
2000 Presentations (continued)

17. LASERS AND COMBAT LASER EYE INJURIES
   D.J. Ivan
   Presented at the NATO-RTO Short Course on "Modern Aerospace
   Ophthalmology", Ramstein AB, GE, 27-28 Mar 00

18. INTERNAL AND EXTERNAL EYE DISEASES
   D.J. Ivan
   Presented at the NATO-RTO Short Course on "Modern Aerospace
   Ophthalmology", Ramstein AB, GE, 27-28 Mar 00

19. REFRACTIVE SURGERY IN THE MILITARY
   D.J. Ivan
   Presented at the NATO-RTO Short Course on "Modern Aerospace
   Ophthalmology", Ramstein AB, GE, 27-28 Mar 00

20. COLOR VISION
    D.J. Ivan
    Presented at the NATO-RTO Short Course on "Modern Aerospace
    Ophthalmology", Ramstein AB, GE, 27-28 Mar 00

21. KERATOREFRACTIVE SURGERY IN THE USAF
    Presented at the Canadian Forces Advanced Flight Surgeon Course; DCIEM,
    Toronto, CA, 14 Feb 00

22. OPERATIONAL AEROSPACE OPHTHALMOLOGY ISSUES
    Presented at the Canadian Forces Advanced Flight Surgeon Course; DCIEM,
    Toronto, CA, 14 Feb 00

23. THE USAF PRK STUDY
    Presented at the Lasers on the Modern Battlefield 21st Annual Conference, San
    Antonio, TX, Mar 00

24. AN UPDATE ON THE INTERNATIONAL CIVIL AVIATION ORGANIZATION
    LASER EMITTER AND FLIGHT SAFETY STUDY GROUP (LEFSSG)
    Presented at the Lasers on the Modern Battlefield 21st Annual Conference, San
    Antonio, TX, Mar 00

25. OCULAR PHOTOTOXICITY AND SUN PROTECTION
    D.J. Ivan
    Presented at the Johns Hopkins University, Wilmer Eye Institute, "Current
    Concepts in Ophthalmology" Symposium, Vail CO, 13-14 Mar 00

26. REFRACTIVE SURGERY IN THE USAF
    D.J. Ivan
    Presented at the Johns Hopkins University, Wilmer Eye Institute, "Current
    Concepts in Ophthalmology" Symposium, Vail CO, 13-14 Mar 00

27. INTRAOCULAR LENSES IN MILITARY AIRCREW
    D.J. Ivan
    Presented at the Johns Hopkins University, Wilmer Eye Institute, "Current
    Concepts in Ophthalmology" Symposium, Vail CO, 13-14 Mar 00

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2000 Presentations (continued)

28. COLOR VISION ISSUES IN AVIATION
   D.J. Ivan
   Presented at the Johns Hopkins University, Wilmer Eye Institute, “Current Concepts in Ophthalmology” Symposium, Vail CO, 13-14 Mar 00

29. THE USAF PRK STUDY
   D.J. Ivan and T.J. Tredici
   Panel; Panel Chairman; Presented at Aerospace Medical Association Annual Meeting, Houston, TX, May 00

30. PREDICTING VISUAL PERFORMANCE IN USERS OF NIGHT VISION GOGGLES
    Baldwin, Ivan, et al.
    Presentation at Aerospace Medical Association Annual Meeting, Houston, TX, May 00

31. INTRAOCULAR LENSES IN MILITARY AIRCREW
    D.J. Ivan
    Presented and published in the Proceedings of the 48th International Congress of the International Academy of Aviation and Space Medicine, Rio de Janeiro, Brazil, Sept 00

32. USAF NATIONAL REPORT
    D.J. Ivan
    ASCC WP61 40th Meeting, Toronto, Canada, 7-13 Nov 00

33. AEROSPACE OPHTHALMOLOGY UPDATE
    D.J. Ivan
    Presentation to the Alliance of ANG Flight Surgeons, Association of Military Surgeons of the United States (AMSUS), Las Vegas, NV, 5 Nov 00

34. KERATOREFRACTIVE SURGERY IN THE MILITARY
    Ivan, D.J.
    Presented at the RAF Diploma in Aviation Medicine Course, RAF Henlow, UK Apr 00

35. NIGHT VISION DEVICES
    Ivan, D.J.
    Presented at the RAF Diploma in Aviation Medicine Course, RAF Henlow, UK Apr 00

36. THE LASER THREAT AND LASER PROTECTION
    Ivan, D.J.
    Presented at the RAF Diploma in Aviation Medicine Course, RAF Henlow, UK Apr 00

37. OPERATIONAL VISION ISSUES
    Ivan, D.J.
    Presented at the RAF Diploma in Aviation Medicine Course, RAF Henlow, UK Apr 00

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