Publications and Presentations of the Ophthalmology Branch, U.S. Air Force School of Aerospace Medicine, 2006-2010

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This report is published in the interest of scientific and technical information exchange, and its publication does not constitute the Government’s approval or disapproval of its ideas or findings.
**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 U.S. Air Force School of Aerospace Medicine has exclusively performed this task for nearly 93 years. The visual problems and solutions proposed are documented in the publications and invited presentations of Ophthalmology Branch personnel, listed for the years 2006-2010. 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.**

**15. SUBJECT TERMS**
Aerospace ophthalmology, visual standards, refractive surgery, vision in aviation, and eye problems in aviation
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2005

PUBLICATIONS

1. **EFFECTS OF POSITIVE ACCELERATION ON CORNEAL STABILITY IN PHOTOREFRACTIVE KERATECTOMY (PRK) SUBJECTS**
   
   *Thompson WT, O’Connor RB, Dooley JW, Tutt RC, Ivan DJ, Baldwin JB, and Hiers PL*
   
2006

PUBLICATIONS

1. RETESTING COLOR VISION IN TRAINED USAF AIR CREW
   Ivan DJ, Gooch JM, and Rabin JC
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 77, No. 3; March 2006

2. VISUAL AND OCULAR FINDINGS OF ASTRONAUT CANDIDATES
   Tredici TJ and Ivan DJ
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 77, No. 3; March 2006

3. USAF AVIATION SPECTACLE FRAME OF CHOICE PROGRAM
   Tutt RC, Ivan DJ, and Tredici TJ
   Abstract: Aviation, Space and Environmental Medicine, Vol. 77, No. 3; March 2006

4. CLINICAL PROGRESSIVE TO KERATOCONUS IN USAF PILOT APPLICANTS WITH TOPOGRAPHIC PATTERN SUGGESTIVE OF KERATOCONUS
   Gooch JM, Ivan DJ, and Thornberry M
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 77, No. 3; March 2006

5. OPERATIONAL BASED VISION ASSESSMENT
   Clark P, Ivan DJ, and Giovannetti D
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 77, No. 3; March 2006

6. COMPLETE ASSESSMENT OF CONTRAST SENSITIVITY FOR AEROSPACE VISION
   Rabin JC, Ivan DJ, and Linnemeyer S
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 77, No. 3; March 2006

7. NIGHT FIRING PERFORMANCE FOLLOWING PHOTOREFRACTIVE KERATECTOMY AND LASER IN SITU KERATOMILEUSIS
   Bower KS, Burka JM, Subramanian PS, Stutzman RD, Mines MJ, and Rabin JC
   Military Medicine; 2006 Jun; 171(6):468-71

8. THE U.S. AIR FORCE PHOTOREFRACTIVE KERATECTOMY (PRK) STUDY: EVALUATION OF RESIDUAL REFRACTIVE ERROR AND HIGH- AND LOW-CONTRAST VISUAL ACUITY
   Miller RE, Thompson WT, Ivan DJ, Tutt RC, Baldwin JB, LoRusso FJ, Smith RE, and Hiers PL

9. PERSCRIBING SPECTACLES FOR USAF AVIATORS: 2ND EDITION.
   Kent JF and Miller RE
   Aerospace Medicine, Brooks City-Base, TX. Final Draft Oct 2006

10. A PROSPECTIVE STUDY OF THE EYEPORT VISION TRAINING SYSTEM
    Laukkonen H and Rabin JC
    Optometry, Oct 2007; 77(10):508-14
PRESENTATIONS

1. **C F FLIGHT SURGEON COURSE (4-TOPICS)**
   Ivan DJ
   Presentation: DRDC, Toronto, Canada; Feb 2006

2. **AEROMEDICAL VISION LECTURES (4-TOPICS)**
   Ivan DJ

3. **PROTECTION OF THE AVIATOR'S VISION FROM HIGH INTENSITY LIGHT: A HISTORICAL REVIEW**
   Tredici TJ
   Presentation: Lasers on the Modern Battlefield Conference. Brooks City-Base, TX; 27 Feb 2006

4. **RETESTING COLOR VISION IN TRAINED AIRCREW**
   Ivan DJ, Gooch JM, and Rabin JC

5. **VISUAL AND OCULAR FINDINGS OF ASTRONAUT CANDIDATES**
   Tredici TJ and Ivan DJ

6. **USAF AVIATION SPECTACLE FRAME OF CHOICE PROGRAM**
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7. **COMPLETE ASSESSMENT OF CONTRAST SENSITIVITY FOR AEROSPACE VISION**
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8. **CLINICAL PROGRESSIVE TO KERATOCONUS IN USAF PILOT APPLICANTS WITH TOPOGRAPHIC PATTERNS SUGGESTIVE OF KERATOCONUS**
   Gooch JM, Ivan DJ, and Thornberry
   Presentation: Aerospace Medical Association Annual Meeting, Orlando, FL; 14-18 May 2006

9. **OPERATIONAL BASED VISION ASSESSMENT**
   Clark P, Ivan DJ, and Giovannetti D
   Presentation: Aerospace Medical Association Annual Meeting, Orlando, FL; 14-18 May 2006

10. **A NEW METRIC FOR QUALIFYING THE IMPACT OF HIGHER ORDER ABERRATIONS**
    Rabin JC, Linnemeyer S, Foxworth M, and Ivan DJ
    Poster Presentation: Annual Meeting of the Association for Research in Vision and Ophthalmology (ARVO). Fort Lauderdale, FL; May 2006

11. **AEROMEDICAL VISION LECTURES (5-TOPICS)**
    Ivan DJ
    Presentation: At the RAF Diploma in Aviation Medicine Course, RAF Heathrow, UK; 05-06 Jun 2006

12. **OPHTHALMOLOGICAL CHALLENGES AND ISSUES IN OPERATIONAL FLIGHT MEDICINE**
    Ivan DJ
    Presentation: 52nd German Air Force Flight Surgeons Conference, Berlin, Germany; 6-9 Jun 2006
13. **CORNEAL TOPOGRAPHIC PATTERN SUGGESTIVE OF KERATOCONUS (TPSK): RISK FACTOR FOR PROGRESSIVE CLINICAL KERATOCONUS IN USAF PILOT APPLICANTS (**Best Poster Award)**  
*Gooch JM, Ivan DJ, and Tredici TJ*  
Poster Presentation: American Academy of Ophthalmology Meeting, Las Vegas, NV;  
11-14 Nov 2006  

14. **THE IMPACT OF BLUE-BLOCKING INTRAOCULAR LENSES ON COLOR VISION PERFORMANCE**  
*Rubin RM, Ivan DJ, Gooch JM, and Tsang A*  
Poster Presentation: American Academy of Ophthalmology Meeting, Las Vegas, NV,  
11-14 Nov 2006  

15. **A NEW CLINICAL TEST OF NIGHT VISION GOGGLE PERFORMANCE**  
*Rabin JC, DeMordaunt R, Simpson D, Hiers P, Ivan DJ, Foxworth M, and Linnemeyer S*  
Poster Presentation: American Academy of Optometry. Denver, CO; Dec 2006  

16. **CONTRAST SENSITIVITY AND COLOR VISION: FROM BASIC SCIENCE TO CLINICAL APPLICATION**  
*Rabin JC*  
Poster Presentation: American Academy of Optometry; Denver, CO; Dec 2006
2007

PUBLICATIONS

1. AEROMEDICAL VISION RESEARCH AT BROOKS
   Tredici TJ and Ivan DJ
   Abstract: USAF School of Aerospace Medicine, Brooks City-Base, TX; Eagle Applied Sciences, LLC, Brooks City-Base, TX
   Aviation, Space, and Environmental Medicine, Vol. 78, No. 3; March 2007

2. INCIDENCE AND EFFECTS OF RESIDUAL REFRACTIVE ERRORS AFTER PRK IN TRAINED PILOTS AND PILOT CANDIDATES
   Miller RE, Wright ST, Tutt RC, Clark PJ, Gooch JM, Ivan DJ, and Hiers PL
   Abstract: USAF School of Aerospace Medicine, Brooks City-Base, TX
   Aviation, Space, and Environmental Medicine, Vol. 78, No. 3; March 2007

3. THE UTILITY OF NON-TRADITIONAL VISION TESTING IN IDENTIFYING COMPLICATIONS AFTER PRK
   Wright ST, Miller RE, Clark PJ, Tutt RC, Rabin JC, Gooch JM, Ivan DJ, Thompson WT and Hiers PL
   Abstract: USAF School of Aerospace Medicine, Brooks City-Base, TX
   Aviation, Space, and Environmental Medicine, Vol. 78, No. 3; March 2007

4. THE PREVALENCE OF CORRECTIVE LENSES AMONG U.S. AIR FORCE PILOTS
   Abstract: USAF School of Aerospace Medicine, Brooks City-Base, TX; Air Force Population Health Scientific Studies, Brooks City-Base, TX
   Aviation, Space, and Environmental Medicine, Vol. 78, No. 3; March 2007

5. COLOR VISION PERFORMANCE WITH BLUE-BLOCKING IOLS
   Ivan DJ, Rubin RM, Rabin JC, Tsang A, Gooch JM, Linnemeyer S, and Foxworth M
   Abstract: Eagle Applied Sciences, LLC, Brooks City-Base, TX; USAF School of Aerospace Medicine, Brooks City-Base, TX
   Aviation, Space, and Environmental Medicine, Vol. 78, No. 3; March 2007

6. SENSITIVITY OF COLOR VISION SCREENING: ALTERNATIVES FOR THE FUTURE
   Rabin RC, Gooch JM, Ivan DJ, Linnemeyer S, and Foxworth M
   Abstract: USAF School of Aerospace Medicine, Brooks City-Base, TX; Eagle Applied Science, LLC, Brooks City-Base, TX
   Aviation, Space, and Environmental Medicine, Vol. 78, No. 3; March 2007

7. CLINICAL ASSESSMENT OF NIGHT VISION GOGGLE USER PERFORMANCE
   Rabin JC, Ivan DJ, Gooch JM, Foxworth M, Linnemeyer S, and Hiers PL
   Abstract: USAF School of Aerospace Medicine, Brooks City-Base, TX; Eagle Applied Science, LLC, Brooks City-Base, TX
   Aviation, Space, and Environmental Medicine, Vol. 78, No. 3; March 2007

8. OPHTHALMIC SURGERIES AND ISSUES
   Ivan DJ
   Abstract: USAF School of Aerospace Medicine, Brooks City-Base, TX; Eagle Applied Science, LLC, Brooks City-Base, TX
   Aviation, Space, and Environmental Medicine, Vol. 78, No. 3; March 2007
PRESENTATIONS

1. **OPHTHALMOLOGY ISSUE IN AGING AIRCREW**  
   Ivan DJ  
   Presentation: 2007 NATO Flight Surgeon's Conference, Ramstein AB, Germany; March 2007

2. **THE WILLIAM K. STEWART MEMORIAL LECTURE OF ROYAL AERONAUTICAL SOCIETY**  
   Ivan DJ  

3. **INTRA-OCULAR LENSES IN MILITARY AIRCREW**  
   Ivan DJ  
   Presentation: City University School of Optometry, London, England; 15 March 2007

4. **CURRENT OPHTHALMOLOGY ISSUES IN AIRCREW**  
   Ivan DJ  
   Presentation: Royal Air Force Centre of Aviation Medicine, RAF Heathrow, England; 19 March 2007

5. **THE IMPACT OF BLUE-BLOCKING INTRA-OCULAR LENSES ON S-CONE COLOR VISION**  
   Rabin JC, Ivan DJ, et al.  
   Presentation: Association for Research in Vision and Ophthalmology (ARVO), Fort Lauderdale, FL; 10 May 2007

6. **BEYOND 20/20 NEW METRICS FOR QUANTIFYING SUBNORMAL AND SUPERNORMAL VISION**  
   Rabin JC and Ivan DJ  
   Presentation: Association for Research in Vision and Ophthalmology (AFVO), Fort Lauderdale, FL; 10 May 2007

7. **AEROMEDICAL VISION RESEARCH AT BROOKS CITY-BASE TX**  
   Tredici TJ and Ivan DJ  

8. **CATARACT SURGERY AND INTRA-OCULAR IMPLANTS IN USAF AIRCREW**  
   Ivan DJ  
   Presentation: University of Colorado Ophthalmology Residency Program, Denver, CO; 29 June 2007

9. **THE UTILITY OF NON-TRADITIONAL VISION TESTING IN IDENTIFYING COMPLICATION AFTER PRK**  
   Wright ST, Miller RE, et al.  

10. **INCIDENCE AND EFFECTS OF RESIDUAL REFRACTIVE ERRORS AFTER PRK IN TRAINED USAF PILOTS AND PILOT CANDIDATES**  
    Miller RE, Wright ST, et al.  

11. **COLOR VISION PERFORMANCE WITH BLUE-BLOCKING IOLS**  
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    Rabin JC, Ivan DJ, Gooch JM, Foxworth M, Linnemeyer S, and Hiers PL

16. **REVIEW OF A CASE OF PSEUDOPLAKIA IN A NAVIGATOR**
    Surjit Sahu, Hewagama A, and Tredici TJ

17. **RAF DIPLOMA IN AVIATION MEDICINE LECTURES (5 TOPICS)**
    Ivan DJ
   Presentation: RAF Diploma in Aviation Medicine Course, RAF Henlow, England; 6-8 June 2007
2008

PUBLICATIONS

1. **CLINICAL PRACTICE GUIDELINES FOR CATARACTS**
   
   *Gooch JM*
   
   USAF School of Aerospace Medicine, Brooks City-Base, TX
   
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 79, No. 3; March 2008

2. **CORRECTIVE LENS USE AND THE INTEREST IN REFRACTIVE SURGERY AMONG USAF PILOTS**
   
   *Wright ST, Clark PJ, Tutt TC, Stanek S, and Gooch JM*
   
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   Abstract: Aviation, Space, and Environmental Medicine, Vol. 79, No. 3; March 2008

3. **HOW MANY SUBJECTS AND MORE: STATISTICS REVIEW FOR PATIENT CENTERED CLINICAL RESEARCH**
   
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   USAF School of Aerospace Medicine, Brooks City-Base, TX
   
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 79, No. 3; March 2008

4. **USAF AVIATION SPECTACLE FRAME OF CHOICE: NEW DEVELOPMENTS**
   
   *Tutt RC, Ivan DJ, Gooch JM, and Tredici TJ*
   
   USAF School of Aerospace Medicine, Brooks City-Base, TX
   
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 79, No. 3; March 2008

5. **VISUAL PERFORMANCE IN THE EARLY MONTHS FOLLOWING PRK**
   
   *Wright S, Stanek S, Rabin JC, Gooch JM, and Thompson BT*
   
   USAF School of Aerospace Medicine, Brooks City-Base, TX
   
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 79, No. 3; March 2008

6. **AUTOMATED TESTING OF CONE CONTRAST SENSITIVITY**
   
   *Rabin JC, Gooch JM, and Ivan DJ*
   
   USAF School of Aerospace Medicine, Brooks City-Base, TX
   
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 79, No. 3; March 2008

7. **EFFECTIVENESS OF THE FARNSWORTH LANTERN, D-15 AND FM-100 HUE TESTS TO IDENTIFY COLOR VISION DEFECTIVES WITHIN A PRE-SCREENED USAF PILOT CANDIDATE POOL**
   
   *Ivan DJ, Kurz C, Gooch JM, Rabin JC, and Thompson WT*
   
   USAF School of Aerospace Medicine, Brooks City-Base, TX
   
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 79, No. 3; March 2008

8. **IS 20/20 GOOD ENOUGH? QUALITY OF VISION TESTING FOR TODAY AND TOMORROW**
   
   *Rabin JC, Gooch JM, Ivan DJ, Rubin RM, Linnemeyer S, and Foxworth M*
   
   USAF School of Aerospace Medicine, Brooks City-Base, TX
   
   Aviation, Space, and Environmental Medicine, Vol. 79, No. 3; March 2008

9. **OPHTHALMOLOGY TRAINING FOR THE USAF FLIGHT SURGEON**
   
   *Tredici TJ, Gooch JM, Ivan DJ, Rubin RM, and Thomas R*
   
   USAF School of Aerospace Medicine, Brooks City-Base, TX
   
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 79, No. 3; March 2008
PRESENTATIONS

1. **REFRACTIVE SURGERY IN AIRCREW COLOR VISION ISSUES IN MILITARY AVIATION USAF COLOR VISION TESTING METHODOLOGY: THE LASER THREAT IN AVIATION**
   
   Ivan DJ
   
   Presentation: C F Flight Surgeons Course- DROC, Toronto, Ontario, Canada; Feb 2008

2. **USAF COLOR VISION TESTING STRATOCGRAM METHODOLOGY**
   
   Ivan DJ, Gooch JM, and Tredici TJ
   

3. **THE EFFECTIVENESS OF THE FARMSWORTH LANTERN, D-15, AND FM-100 HUE TESTS TO IDENTIFY COLOR VISION DEFECTIVE WITHIN A PRE-SCREENED USAF PILOT CANDIDATE POOL**
   
   Ivan DJ, Rabin JC, et al.
   

4. **USAF AVIATION SPECTACLE OF CHOICE: NEW DEVELOPMENTS**
   
   Tutt RC, Ivan DJ, Gooch JM, Tredici TJ
   
   Poster Presentation: Aerospace Medical Association (ASMA) Annual Scientific Meeting, Boston, MA; 12 May 2008

5. **SENSITIVITY OF COLOR VISIOIN SCREENING: ALTERNATIVES FOR THE FUTURE**
   
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6. **AUTOMATED TESTING OF CONE CONTRAST SENSITIVITY**
   
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9. **CLINICAL PRACTICE GUIDELINE FOR CATARACTS**
   
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   USAF School of Aerospace Medicine, Brooks City-Base, TX
   

10. **CORRECTIVE LENS USE AND THE INTEREST IN REFRACTIVE SURGERY AMONG USAF PILOTS**
    
    Wright ST, Clark PJ, Tutt, RC, Stanek S, and Gooch JM
    
11. OCULAR INJURY REDUCTION FROM OCULAR PROTECTION USE IN CURRENT COMBAT OPERATIONS

Thomas R

Presentation: 12th International Conference on Emerging Medicine, San Antonio, TX; April 2008
2009

PUBLICATIONS

1. AircRear Sun Protection Cataracts or Sunglasses?
   Ivan DJ, Tutt RC, Tredici TJ, and Gooch JM
   Eagle Applied Sciences, USAFSAM/FECO, Brooks City-Base, TX; Northrop Grumman Corp;
   USAFSAM/FECO, Brooks City-Base, TX; USAFSAM, Aerospace Ophthalmology Branch, Brooks
   City-Base, TX
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 80, No. 3, March 2009

   Serkowski R, Novy PL, Gooch JM, Thompson WT, and Chappelle W
   USAF School of Aerospace Medicine, Brooks City-Base, TX; USAFSAM Neuropsychiatry Branch,
   Brooks City-Base, TX; USAFSAM, Aeromedical Consultation Service, Neuropsychiatry Branch,
   Brooks City-Base, TX
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 80, No. 3, March 2009

3. The Super Vision-NVG Test
   Rabin JC, Gooch JM, Davies B, Ivan DJ, Linnemeyer S, and Foxworth M
   Aerospace Ophthalmology Branch, USAF School of Aerospace Medicine, Brooks City-Base, TX
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 80, No. 3, March 2009

4. Surgical Correction of Presbyopic AircRear
   Gooch JM, Tredici TJ, Tutt RC, and Aaron MT
   USAF School of Aerospace Medicine, Brooks City-Base, TX
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 80, No. 3, March 2009

5. Presbyopia: Nemesis of the Senior Aviator
   Tredici TJ, Tutt RC, Gooch JM, Aaron MT, Wright ST, Clark PJ, and Miller RL
   USAF School of Aerospace Medicine, Brooks City-Base, TX
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 80, No. 3, March 2009

6. Presbyopia Consideration in the Cockpit Environment
   Tutt RC, Tredici TJ, Gooch JM, and Aaron MT
   USAF School of Aerospace Medicine, Brooks City-Base, TX
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 80, No. 3, March 2009

7. Operationally Based Vision Assessment Laboratory Development
   Gooch JM, Sweet B, Clark PJ, Gaska JP, Winterbottom M, Rader J, and Aaron MT
   USAF School of Aerospace Medicine, Brooks City-Base, TX
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 80, No. 3, March 2009

8. USAF Quality of Vision (QOV) Implementation
   Tutt RC, Aaron MT, and Gooch JM
   USAF School of Aerospace Medicine, Brooks City-Base, TX
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 80, No. 3, March 2009

   Wright ST, Thomas RS, Clark PJ, Stanek SR, Gooch JM, and Thompson WT
   USAF School of Aerospace Medicine, Brooks City-Base, TX
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 80, No. 3, March 2009
10. ANTI-REFLECTIVE COATING OPERATIONAL PERFORMANCE EVALUATION  
   Clark PJ, Wright ST, Stanek SR, Gooch JM, and Thompson WT  
   USAF School of Aerospace Medicine, Brooks City-Base, TX  
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 80, No. 3, March 2009

11. THE EFFECT OF BLUE ON LANDOLT C ACUITY AND SIMULATED AIRCRAFT FEATURE IDENTIFICATION  
   Gaska JP, Clark PJ, Winterbottom M, Sweet B, and Gooch JM  
   Link Simulation and Training, Mesa, AZ; USAF School of Aerospace Medicine, Brooks City-Base, 
   TX; AFRL, Mesa, AZ; NASA Ames Research Center, Moffett Field, CA  
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 80, No. 3, March 2009

12. OCULAR INJURY REDUCTION FROM OCULAR PROTECTION USE IN CURRENT COMBAT OPERATIONS  

13. OPTICAL FILTER EFFECTS ON NIGHT VISION GOGGLE ACUITY AND PRESERVATION OF DARK ADAPTATION  
   Thomas RS, Wright ST, Clark PJ, Thompson WT, and Gooch JM  
   Aviation, Space, and Environmental Medicine 2010; 81(9):869-72

14. PEOPLE OF VISION: BOOK REVIEW  
   Tredici TJ  
   San Antonio Medicine, Vol. 62, No. 8; August 2009

PRESENTATIONS

1. REFRACTIVE SURGERY IN AIRCREW COLOR VISION IN MILITARY AVIATION THE LASER THREAT IN AVIATION  
   Ivan DJ  
   Presentation: C F Flight Surgeons Course (DRDC), Toronto, Ontario, Canada; Feb 2009

2. MEASURED COGNITIVE SPATIAL TESTING PERFORMANCE AND WAIVED DEFECTIVE STEREOPSIS ON USAF PILOT TRAINING GRADUATION PREDICTORS  
   Ivan DJ, Tutt RC, Tredici TJ, and Gooch JM  
   Presentation: Aerospace Medical Association Annual Scientific Meeting, Los Angeles, CA;  
   3-7 May 2009

3. THE EFFECT OF BLUE ON LANDOLT "C" ACUITY AND SIMULATED AIRCRAFT FEATURE IDENTIFICATION  
   Gaska JP, Clark PJ, Winterbottom M, Sweet B, and Gooch JM  
   Presentation: Aerospace Medical Association (AsMA) Annual Meeting, Los Angeles, CA;  
   3-7 May 2009

4. ANTI-REFLECTIVE COATING OPERATIONAL PERFORMANCE EVALUATION  
   Clark PJ, Wright ST, Stanek SR, Gooch JM, and Thompson WT  
   Presentation: Aerospace Medical Association (AsMA) Annual Meeting, Los Angeles, CA;  
   3-7 May 2009

5. SPECTRAL FILTER EFFECTS ON NIGHT VISION GOGGLE ACUITY AND PRESERVATION OF DARK ADAPTATION  
   Wright ST, Thomas RS, Clark PJ, Stanek SR, Gooch JM, and Thompson WT  
   Presentation: Aerospace Medical Association (AsMA) Annual Meeting, Los Angeles, CA;  
   3-7 May 2009
6. USAF QUALITY OF VISION (QOV) IMPLEMENTATION
   Tutt RC, Aaron MT, and Gooch JM
   Presentation: Aerospace Medical Association (AsMA) Annual Meeting, Los Angeles, CA;
   3-7 May 2009

7. OPERATIONAL BASED VISION ASSESSMENT LABORATORY DEVELOPMENT
   Gooch JM, Sweet B, Clark PJ, Gaska JP, Winterbottom M, Rader J, and Aaron MT
   Presentation: Aerospace Medical Association (AsMA) Annual Meeting, Los Angeles, CA;
   3-7 May 2009

8. PRESBYOPIC CONSIDERATIONS IN THE COCKPIT ENVIRONMENT
   Tutt RC, Tredici TJ, Gooch JM, and Aaron MT
   Presentation: Aerospace Medical Association (AsMA) Annual Meeting, Los Angeles, CA;
   3-7 May 2009

9. PRESBYOPIA: NEMESIS OF THE SENIOR AVIATOR
   Tredici T, Tutt RC, Gooch JM, Aaron MT, Wright ST, Clark PJ, and Miller RL
   Presentation: Aerospace Medical Association (AsMA) Annual Meeting, Los Angeles, CA;
   3-7 May 2009

10. SURGICAL CORRECTION OF PRESBYOPIC AIRCREW
    Gooch JM, Tredici TJ, Tutt RC, and Aaron MT
    Presentation: Aerospace Medical Association (AsMA) Annual Meeting, Los Angeles, CA;
    3-7 May 2009

11. THE SUPER VISION NVG TEST
    Rabin JC, Gooch JM, Davies B, Ivan DJ, Linnemeyer S, and Foxworth M
    Presentation: Aerospace Medical Association (AsMA) Annual Meeting, Los Angeles, CA;
    3-7 May 2009

12. AIRCREW SUN PROTECTION: CATARACTS OR SUNGLASSES?
    Ivan DJ, Tutt RC, Tredici TJ, and Gooch JM
    Presentation: Aerospace Medical Association (AsMA) Annual Meeting, Los Angeles, CA;
    3-7 May 2009

13. REFRACTIVE SURGERY IN MILITARY AIRCREW COLOUR VISION ISSUES
    LASERS AND COMBAT LASER INJURIES INTRAOCULAR LENSES IN
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    Ivan DJ
    Presentation: RAF Diploma in Aviation Medicine Course RAF Henlow, England; June 2009
2010

PUBLICATIONS

1. PIXEL SIZE REQUIREMENTS FOR AN EYE-LIMITED FLIGHT SIMULATION LABORATORY FOR OPERATIONAL BASED VISION ASSESSMENT
   Gaska J, Winterbottom M, Gooch JM, Aaron MT, Clark PJ, Rader J, and Sweet B
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 81, No. 3; March 2010

2. WAVEFRONT DERIVED SPECTACLE LENS PERSRIPTIONS FOR KERATOCONUS
   Clark PJ, Wright ST, Collins R, Autrey J, Gooch JM, Thompson WT, Lehman R, and Garcia P
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 81, No. 3; March 2010

3. UPDATE: CLINICAL PROGRESSION TO KERATOCONUS IN USAF PILOT APPLICANTS WITH TOPOGRAPHIC PATTERN SUGGESTIVE OF KERATOCONUS
   Gooch JM, Wright ST, Rubin RM, Ivan DJ, and Davis RE
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4. SENSITIVITY, SPECIFICITY AND APPLICATION OF THE CONE CONTRAST TEST IN THE PILOT APPLICANT POPULATION
   Rabin JC, Gooch JM, Rubin RM, Linnemeyer S, and Foxworth M
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 81, No. 3; March 2010

5. COLOR VISION DEFECTS ASSOCIATED WITH OPTIC NERVE HEAD DRUSEN IN USAF AVIATORS
   Ivan DJ, David RE, Rabin JC, Rubin RM, Gooch JM, and Tredici TJ
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 81, No. 3; March 2010

6. OPTIC NERVE HEAD DRUSEN (ONHD) IN UNITED STATES AIR FORCE AIRCREW: A RETROSPECTIVE REVIEW
   David RE, Rubin RM, Gooch JM, Ivan DJ, and Tredici TJ
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 81, No. 3; March 2010

7. EFFECT OF HIGH ALTITUDE ON LASER ASSISTED IN SITU KERATOMILEUSIS (LASIK) EYES
   Aaron MT, Gooch JM, Harvey RR, Davis RE, and Tutt RC
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 81, No. 3; March 2010

8. PERMANENT GROUNDING OF A USAF PILOT FOLLOWING PHOTOREFRACTIVE KERATECTOMY (PRK): A CASE REPORT
   Ivan DJ, Gooch JM, Rubin RM, Tredici TJ, and Davis RE
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9. MYOPIA - NEMESIS OF THE MILITARY AVIATOR
   Tredici TJ, Ivan DJ, and Gooch JM
   Abstract: Aviation, Space, and Environmental Medicine, Vol. 81, No. 3; March 2010
PRESENTATIONS

1. MILITARY PILOT TRAINING IN WORLD WAR II  
   Tredici TJ  
   Presentation: Fellows Group at the Aerospace Medical Association (AsMA) Annual Meeting, Phoenix, AZ; 10 May 2010

2. MYOPIA: NEMESIS OF THE MILITARY AVIATOR  
   Tredici TJ  
   Presentation: Aerospace Medical Association (AsMA) Annual Meeting, Phoenix, AZ; 13 May 2010

3. PERMANENT GROUNDING OF A USAF PILOT FOLLOWING PHOTOREFRACTIVE KERATECTOMY (PRK): A CASE REPORT  
   Ivan DJ, Gooch JM, Rubin RM, Tredici TJ, and Davis RE  
   Presentation: Aerospace Medical Association (AsMA) Annual Meeting, Phoenix, AZ; 9-13 May 2010

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