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Pediatric Ophthalmology and Adult Strabismus

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- PERSONAL:** Born: March 14, 1958 in Rochester, Minnesota
Married to Konstance Arnold-> Andrew William (11/26/91) and Laura Ellen (6/24/96)
Licensed in Alaska (AA2439), {prior: Minnesota (29,301), Indiana (01036655)}
Certified: American Board of Ophthalmology 1990
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- EDUCATION:** Sehome High School, Bellingham, Washington (1971-1976)
University of Washington, Seattle, Washington (1976-1977)
University of Alaska, Fairbanks, Alaska (1977-1980) B.S. Chemistry
Yale University School of Medicine, New Haven, Conn. (1980-1984) M.D.
Mayo Graduate School of Medicine, Rochester, Minnesota
Internship (medicine, neurology, pediatrics) (1984-1985)
Ophthalmology Residency (1985-1988) Chief Resident 3/88 to 7/88.
Indiana University, Indianapolis (Helveston, Ellis & Plager)
Pediatric Ophthalmology Fellowship (1988-1989)
- WORK:** Commercial Fisherman (salmon, halibut, herring) Alaska (1976-81)
Resident Advisor, Stevens Hall, University of Alaska (1978-80)
Arnold Custom Knives (1975-present) - Arnold Custom Reflex Hammers and Occluders (1984-89)
Ophthalmic Associates Pediatric Ophthalmologist (September 1989-present)
Corporate Secretary (91-95)
Vice President (1/96-06), President (07- 8)
Alaska Summer Emergency Ophthalmology Program, Coordinator (1992-)
Glacier Medical Software, Inc, Lead Concept Designer (2005-) President (2010-)
- MEMBER:** Alaska State Medical Association
Alaska Eye Education Meeting (director)
American Academy of Ophthalmology, Fellow 1991
American Association for Pediatric Ophthalmology and Strabismus, Fellow 1992-
Alaska Physicians and Surgeons (IPA), Steering Committee Secretary (3/96-2/98)
Alaska Medicine Editorial Board (1999-2008)
Pediatric Eye Disease Investigator Group; PEDIG (1999-)
Grace Christian School Board (1999- 05), Chairman (11/01-9/04), Capital Campaign (2005- 2008)
Journal of Pediatric Ophthalmology and Strabismus Editorial Board (2002-)
Binocular Vision and Strabismus Editorial Board (2002-)
American Academy of Ophthalmology SIT-Pediatrics (2004- 5)
Subspecialty Fellow of the American Academy of Pediatrics (2010-)
- HONORS:** Elks Club scholarship (1976), *magna cum laude*, Phi Kappa Phi, Joel Wiegert
graduating man & chemistry awards and captain of ski team, Univ. of Alaska (1980)
Executive committee and editor, Yale Journal of Biology and Medicine (1980-84)
National Children's Eye Care Foundation research grant #88-R-001, 1988-89.
Listed in The Best Doctors in America (1996, 2009, 2013); <http://www.groupz.net/BestDoctors>
Alaska Infant Learning Community Service Award 2000
Lions Club "Melvin Jones Fellow" 5/11/00, 4/24/2010
PEDIG ATS2 (5/7/01, 11/01), ETS-1 (7/04) Recruitment Award
AAPOS Honor Award: March 20, 2000 (Seattle)
Anchorage Education Association: "Friend of Education 2007-8

INTERESTS: Cross country ski racing, Bible Study, Remote Eye missions, personal computing, mountaineering, art, wood-working, meat hunting, cooking and photography.

PUBLICATIONS:

- Arnold RW: "Modifications in the vasomotor component of the human diving response," M.D. Thesis (Yale) 1984.
- Arnold, R.W. Modifications in the vasomotor arm of the human diving response. In *The Physiology of Breath-Hold Diving*, Lundgren, C.E. and Ferrigno, M. eds., U.H.M.S., Baltimore, pp. 188-199, 1987.
- Arnold, R.W:** Extremes in human breath hold facial immersion bradycardia. *Undersea Biomed Res* 12:183-190, 1985.
- Arnold, R.W:** A vasomotor comparison of the human diving response and the cold pressor test. *Alaska Med* 28: 5-8, 1986.
- Arnold, R.W.,** Stickler, G.B., Bourne, W.M., Mellinger, J.F. Corneal crystals, myopathy and nephropathy: a new syndrome? *J.Ped.Ophthalmol. & Strab.* 24: 151-155, 1987. {Reprinted in *Urology Digest*: 3-5, April 1988, *Ophthalmology Digest*: 3-5, April 1988 }
- Arnold, R.W., Dyer, J.A., Low, P.A. The oculo-cardiac reflex: correlations with other cardiac vagal maneuvers. *Invest. Ophthalmol(abstr)* 28(3): 35, 1987.
- Arnold, R.W., Hoffman, A.D., Brutinel, W.M., "Barbie" Doll Curler Aspiration into the Upper Trachea, *Am. J. Dis. Child.* 141:1325-1326, 1987.
- Arnold, R.W., Hoffman, A.D., Brutinel, W.M., Inhalation de bigoudi de poupee Barbie dans la trachee haute. *J de Pediatre.* 7: 74-75, 1988.
- [Arnold, R.W., Dyer, J.A., Holton, S.] Contact Lenses: A sight for sore eyes unless you use them properly, *Mayo Clinic Health Letter* 6(6): 2-4, 1988.
- Arnold, R.W., Hohberger, G.G., Gould, A.B. The Oculocardiac Reflex in Identical Twins.(letter) *Archives Ophthalmol.* 106:879, 1988.
- Arnold, R.W., Low, P.A., Dyer, J.A., Gould, A.B., Hohberger, G.G. Differential vasovagal sensitivities to several autonomic maneuvers in humans. *Ann. Neurol.* 24:164, 1988. (abstract)
- Arnold R.W. and Erie, J.C., Magnetic Forceps for Corneal Foreign Bodies(letter). *Arch. Ophthalmol.* 106:1502, 1988.
- Arnold R.W.,** Adams, B.A., Camoriano, J.K., Dyer, J.A., Acquired Divergent Strabismus: presumed metastatic gastric carcinoma to the medial rectus muscle. *J. Ped. Ophthalmol. Strab.* 26:50-51, 1989.
- Arnold RW, Stickler GB: Patient follow-up-Cystinosis(letter). *J Ped Ophthalmol Strab* 26:145, 1989.
- Arnold RW: Shaken Baby Syndrome, Photo of the Month, *Ophthalmol Times* 15(3):23-24,1990
- Arnold RW: Quantification of afferent pupillary defect by double polarized filter. (letter), *Arch Ophthalmol* 108:1666-1667, 1990.
- Steiner GC, **Arnold RW**, Roth RR, Ice JS: Stevens-Johnson syndrome secondary to ingestion of salmon berries. *Alaska Med* 33:57-59,1991.
- Arnold RW**, Dyer JA, Gould AB, Hohberger GG, Low PA: Sensitivity to vasovagal maneuvers in normal teenagers and adults. *Mayo Clin Proc* 66:797-804,1991.
- Arnold RW**, Crouch EE: An Emergency Corneal Ulcer Kit. *Alaska Med* 33(4):151-153. 1991
- Arnold RW:** Pseudo Slipped Muscle due to medial rectus palsy. *J Ped Ophthalmol Strab* 29(3):189-190, 1992.
- Arnold RW**, Ellis FD, Helveston EM: Diplopia and Transdermal Scopolamine: A Case Report. *Am Orthoptic J* 42:183-184, 1992
- Arnold RW**, Sprunger DT, Engel WK, Helveston EM: The effect of wrist rest, caffeine and oral timolol on hand steadiness of ophthalmologists. *Ann Ophthalmol.* 25(7):250-253, 1993.
- Arnold RW**, Schriever G: Lyme Amaurosis in a Child. *J Pediatr Ophthalmol Strab.* 30(4):268-270, 1993.

- Arnold RW**, Nadel EN: The attenuating effect of heat and hypovolemia on the human diving response. *Alaska Med* 35(2):199-203, 1993.
- Arnold RW**, Nadel EN: The effect of peripheral vasodilators on the human diving response. *Alaska Med* 35(2):204-208, 1993.
- Arnold RW**: Vision screening in Alaska: Experience with Enhanced Brückner Test. *Alaska Med* 35(2): 212-215, 1993.
- Arnold RW**, Kesler K, Avila E: Susceptibility to ROP in Alaskan Natives. *J Pediatr Ophthalmol Strab* 31:192-194, 1994
- Arnold RW, Armitage MD: Your Child's Vision- Amblyopia. *Alaska Parenting News* January: 16, 1994
- Arnold RW: Myopia following scleritis[letter]. *Ophthalmic Surgery* 25(7):485, 1994.
- Arnold RW**, Gould AB, Mackenzie R, Dyer JA, Low PA: Lack of global vagal propensity in oculocardiac reflex patients. *Ophthalmology* 101(8):1347-1352, 1994. {UI# 94336166}
- Arnold RW**: Posterior Retinopathy of Prematurity cryotherapy from a limbal reference. *J Pediatr Ophthalmol Strab* 31:303-305,1994.
- Arnold RW, Armitage MD: Your Child's Vision-The importance of tears. *Alaska Parenting News*. Feb:6, 1995
- Arnold RW**: Bilateral monocular silicone loop: Predictable home removal of nasolacrimal stents. *J Pediatr Ophthalmol Strabismus*. 32:200-201, 1995.
- Arnold RW: ROP: Treating the Vast Expanse. *Proceedings of the International Conference on Retinopathy of Prematurity*, Chicago, November 18-19, 1993, Ed by Shapiro MJ, Biglan AW, Miller MT, Kugler Publications, Amsterdam/NY, 1995, pp 163-165.
- Arnold RW**, Coon L, Reber P, Armitage MD: Collaborative visual rehabilitation: high astigmatism, esotropia and elevator palsy, *Alaska Medicine* 1995; 37(3):88-90.
- Arnold RW: A manicure for difficult Crawford intubations. Ch 2, Sect IX Ocular Adnexa, Anterior Segment, Intraocular Pressure. *Update on Strabismus and Pediatric Ophthalmology-Proceedings of the Joint Congress ISA & AAPOS*, Gunnar Lennerstrand, Editor, CRC Press, Boca Raton, Florida, 1995, pp 455-457.
- Arnold RW: Bilateral, monocular Crawford loop: Simple removal for remote patients. Ch 2, Sect IX Ocular Adnexa, Anterior Segment, Intraocular Pressure. *Update on Strabismus and Pediatric Ophthalmology-Proceedings of the Joint Congress ISA & AAPOS*, Gunnar Lennerstrand, Editor, CRC Press, Boca Raton, Florida, 1995, pp 458-461.
- Arnold RW: Instead of "A spoon full of sugar..." *Binoc Vis Eye Muscle Surgery* 1995; 10(2):95.
- Arnold RW, Armitage MD: Your Child's Vision-Warning Signs. *Alaska Parenting News*, April 1995, p 24-25.
- Arnold RW, Armitage MD: Photoscreening your toddler. *Alaska Parenting*, April 1996, p22, 29.
- Arnold RW**, Rosen CE, List J, Johnson E, Hoffman RO: Neonatal respiratory distress from bilateral cryptic dacryoceles. *Alaska Med* 38(3):86-88,1996
- Arnold RW**, Armitage MD, Rosen CE, Younger BR: Head tilt due to See-Saw nystagmus. *Am Orthoptic J* 46: 181-184, 1996.
- Arnold RW**, Wolfe TM, Albrecht W, Haselby KA, McNiece WL, Plager DA, Ellis FD, Helveston EM: Deep inhalational anesthesia without anticholinergic reduces the oculocardiac reflex. *Binocular Vision & Strabismus Quarterly* 11(4):281-288, 1996.
- Arnold RW: ROP Blindness: An epidemic among smallest Alaskans. *Alaska Parenting* 5(4): 31-32, April 1997.
- Arnold RW**, Wolfe TM, Ellis FD: Prolonged oculocardiac reflex in strabismus surgery under topical anesthesia. *J Pediatr Ophthalmol Strab* 34(4): 252-254, 1997.
- Tychsen L, Wilson E, Hutchinson AK, Arnold RW, Wright KW, Rosenbaum AL: Consultation Section: Bilateral Mature Cataracts, Ed by DD Shepard. *Annals Ophthalmol Glaucoma* 29(4): 214-218, 1997.

Arnold RW: Tundra Swan Strabismus Retractor. JAAPOS 2(3):184-185, 1998

Arnold RW, Little J, Greenwald MJ: Transient visual loss and subconjunctival hemorrhage due to a "Hopper" : JAAPOS 3:61-62, 1999.

Arnold RW: Aperature drapes in strabismus surgery-comment (letter). Binocular Vis Strabismus Qtrly 13(1): 6, 1988.

Arnold RW, Janis B, Wellman S, Crouch E, Rosen C: Palinopsia with bacterial brain abscess and Noonan Syndrome. Alaska Med 41(1): 3-7, 1999.

Stump M, **Arnold RW:** Iris color does not predict the oculocardiac reflex. Binoc Vis Quarterly 14(2): 111-116, 1999.

Arnold RW, Armitage MD: Keeping a close eye on Alaska's kids. Alaska Parenting 7(11):7,9, 1999.

Arnold RW: The human heart rate response profiles to five vagal maneuvers. Yale Journal of Biology and Medicine, 72:237-44, 2000.

Arnold RW, Gionet E, Jastrzebski A, Kovtoun TA, Machida CJ, Armitage MD, Coon LJ: The Alaska Blind Child Discovery Project: rationale, methods and results of 4000 screenings. 42:58-72, 2000.

Arnold RW, Sitenga G: The detection of congenital glaucoma by photoscreening. Alaska Medicine 42:73-77, 2000.

Arnold RW, Fierstein KF: Are vision screening devices accurate and reliable for use in pediatricians' offices to test children younger than 4 years old?: Con. Pediatric News (solicited counter-point) 2000

Arnold RW, Barnett M, Limstrom SA, Swanson D: Vision loss associated with a stiff neck complicating strabismus surgery. Binocular Vis Strabismus Qtrly 16(3):181-186, 2001.

Kushner BJ, Arnold RW, Clarke WN, Marmor MA, Murray ADN, Wheeler DT: Grand Rounds #64: A case of deterioration of ocular motility in a patient with type 1 Duane Syndrome after contralateral orbital decompression. Binocular Vis Strabismus Qtrly 16(4):272-279, 2001.

PEDIG. A randomized trial of atropine vs patching for treatment of moderate amblyopia in children. Arch Ophthalmol 2002;120(3):268-78.

Lang DM, **Arnold RW.** Severe eye trauma in boys caused by girls' headbands. Alaska Med 2002;44(2):27-29.

PEDIG. The clinical profile of moderate amblyopia in children younger than 7 years. Arch Ophthalmol 2002;120:281-7.

Arnold RW. Use of a consumer video system to enhance low vision in children and adults. JPOS 2002;39(4):245-47.

Arnold RW, Farah RS, Monroe G: The attenuating effect of intraglossal atropine on the oculocardiac reflex, . Binocular Vis Strabismus Qtrly 17(4):313-318, 2002

Arnold RW. The phoropter trapeze: portable refractive support for remote clinics. Binoc Vis Strabis Binocular Vis Strabismus Qtrly 18(1):26-27, 2003.

Arnold RW: Adverse events in cataract surgery (letter). Ophthalmol 110(2):248, 2003.

Machida CJ, **Arnold RW:** The effect of tension and fatigue on the oculocardiac reflex. Binocular Vision Strabismus Qtrly 18(2):81-86, 2003.

Donahue SP, **Arnold RW,** Ruben JB: Preschool vision screening: What should we be detecting and how should we report it? Uniform guidelines for reporting results from studies of preschool vision screening. J AAPOS 7(5):314-315, 2003.

Arnold RW. Highly specific photoscreening at the Alaska State Fair: Valid Alaska Blind Child Discovery photoscreening and interpretation. Alaska Med 45(2):34-40, 2003.

Arnold RW. Macular hole without hemorrhages and shaken baby syndrome: practical medicolegal documentation of children's eye trauma. JPOS 40(6):355-357, 2003.

PEDIG. A randomized trial of patching regimens for treatment of moderate amblyopia in children. Arch Ophthalmol 2003;121:603-611.

- PEDIG. A comparison of atropine and patching treatments for moderate amblyopia by patient age, cause of amblyopia, depth of amblyopia and other factors. *Ophthalmol* 2003;110:1632-1638.
- PEDIG. The course of moderate amblyopia treated with atropine in children: experience of the amblyopia treatment study. *Am J Ophthalmol* 2003;136:630-9.
- PEDIG. The course of moderate amblyopia treated with patching in children: experience of the amblyopia treatment study. *Am J Ophthalmol* 2003;136:620-9.
- PEDIG, Holmes JM, Beck RW, et al. Impact of patching and atropine treatment on the child and family in the amblyopia treatment study. *Arch Ophthalmol* 2003;121:1625-32.
- PEDIG, Holmes JM, Kraker RT, et al. A randomized trial of prescribed patching regimens for treatment of severe amblyopia in children. *Ophthalmology* 2003;110:2075-87.
- PEDIG, Repka MX, Beck RW, et al. A randomized trial of patching regimens for treatment of moderate amblyopia in children. *Arch Ophthalmol* 2003;121:603-11.
- Kovtoun TA, **Arnold RW**: Calibration of photoscreeners for threshold contact- induced hyperopic anisometropia: Introduction of the JVC photoscreeners. *JPOS* 41(3):150-158, 2004.
- Arnold RW**, Gionet EG, Hickel J, Owen M, Armitage MD. Duration and effect of single-dose atropine: paralysis of accommodation in penalization treatment of functional amblyopia. *Binoc Vis and Strabismus Quart* 19(2):81-86, 2004.
- Arnold RW**: Pseudo-false positive eye/vision photoscreening due to accommodative insufficiency. A serendipitous benefit for poor readers? *Binoc Vis and Strabismus Quart* 19(2):75-80, 2004.
- Arnold RW**, Arnold AW, Stark L, Arnold KK, Leman RE, Armitage MD. Amblyopia detection by camera (ADBC): Gateway to inexpensive, portable vision screening. *Alaska Med* 2004; 46:63-72.
- Arnold RW**, Jensen P, Kovtoun TA, Maurer SA, Schultz J-A. The profound augmentation of the oculocardiac reflex by fast-acting opioids. *Binoc Vis and Strabismus Quart* 2004; 19:215-222.
- Wagner R, Donahue S, Arnold R, Granet D. Round Table: Implementation and effectiveness of pediatric photoscreening. *Ocular Surg News*. August 1, 2004 2004;22(15):48-54.
- Kerr N, **Arnold RW**: Vision screening for children: current trends, technology and legislative issues. *Curr Opin Ophthalmol* 2004; 15:454-459.
- PEDIG**, Repka MX, Cotter SA, et al. A randomized trial of atropine regimens for treatment of moderate amblyopia in children. *Ophthalmology*. Dec 2004;111(11):2076-2085.
- PEDIG**, Holmes JM, Beck RW, et al. Risk of amblyopia recurrence after cessation of treatment. *J Aapos*. Nov 2004;8(5):420-428.
- Nader N, Arnold RW, Byron HM, et al. Emerging technologies for vision must overcome resistance to reach more children: lack of industry support, legislative approval and reimbursement have slowed innovation in vision screening, researchers say (Part 1 of 3). *Ocular Surgery News*. Vol 23; 2005:1, 50, 52-53, 58-59.
- Nader N, Arnold RW, Collins MLZ, et al. Recent legislation, HMO backing may add momentum to vision screening: With mandatory screening for preschoolers in two states and federal funding proposed, interest in vision screening picks up (part 2 of 3). *Ocular Surg News*. February 15, 2005 2005;23(4):46-50.
- Nader N, Arnold RW, Donahue SP, et al. Issues in Vision Screening: Costs, benefits of vision screening depend on predictive criteria of screening tools. *Ocular Surg News*. 2005;23(5):28-32.
- Groves N, Arnold RW. Younger kids may benefit from photoscreening. *Ophthalmology Times*. Vol 30; 2005:76.
- Arnold RW**, Armitage MD, Gionet EG, Jastrzebski A, Kovtoun TA, Machida CJ, Coon LJ: The cost and yield of rural photoscreening: Impact of photoscreening on overall pediatric ophthalmic costs. *JPOS* 2005; 42(2):103-111.
- Lang D, Blackledge J, **Arnold R**. Is Pacific Race an ROP risk factor?. *Arch Ped Adol Med* 2005; 159(8):771-773.

- Arnold RW, Ruben JB, Donahue SP. Korean kindergarten vision screen programme (letter). *Br J Ophthalmol*. 2005;89(3):392-393. (Letter).
- PEDIG, Scheiman MM, Hertle RW, et al. Randomized trial of treatment of amblyopia in children aged 7 to 17 years. *Arch Ophthalmol*. Apr 2005;123(4):437-447.
- Blackledge J, Lang DM, **Arnold RW**. The positive prognostic implications of crying during exam on threshold ROP. *Alaska Med*. 2006;47(2):2-4.
- Leman RE, Armitage MD, **Arnold RW**. The receiver-operator curve for flip-card surround HOTV in younger school children. *Am Orthopt J*. 2005;55(1):128-135.
- Charters, L., & Arnold, R. W. Pediatricians should take the lead in vision screening: AAP guidelines suggest objective testing for acuity, Bruckner's test for strabismus. *Ophthalmology Times*, 31, 75-76. 2006
- PEDIG, Cotter, S. A., Edwards, A. R., Wallace, D. K., Beck, R. W., **Arnold, R. W.**, et al. (2006). Treatment of anisometropic amblyopia in children with refractive correction. *Ophthalmology*, 113(6), 895-903.
- PEDIG, Wallace, D. K., Edwards, A. R., Cotter, S. A., Beck, R. W., **Arnold, R. W.**, et al. (2006). A randomized trial to evaluate 2 hours of daily patching for strabismic and anisometropic amblyopia in children. *Ophthalmology*, 113(6), 904-912.
- Leman RE, Clausen MM, Bates J. A, Stark L, , Arnold KK, **Arnold RW**, A comparison of patched HOTV visual acuity and photoscreening. *J School Nursing*. 2006;22(4):237-243.
- Arnold RW**, Donahue SP. The yield and challenges of charitable, state-wide photoscreening. *Binoc Vis Strabismus Q*. 2006: 21(2) 93-100.
- Arnold RW, Donahue SP: Guest Editorial: Compared value of amblyopia detection. *Binoc Vis Strabis Q*. 21(2):78, 2006
- Arnold RW**, Stange CA, Ryan C: The compared predictive value of Brückner, Acuity and strabismus from pediatric referrals. *Am Orthopt J* 56(1):15-21, 2006
- Lang DM, Arnold AW, Leman RE, **Arnold RW**. Photoscreening, remote autorefraction and patched acuity testing in the Alaska Bush: A VIPS-like study in the Koyukon. *Alaska Med* 2007; 49(1):(2-13).
- Cotter SA, Edwards AR, **Arnold RW**, et al. Treatment of strabismic amblyopia with refractive correction. *Am J Ophthalmol* 2007;143:1060-3.
- Holmes JM, Melia M, Bradfield YS, Cruz OA, Forbes B. Factors Associated with Recurrence of Amblyopia on Cessation of Patching. *Ophthalmology*. Mar 14 2007.
- Clausen MM, **Arnold RW**: Pediatric Eye/Vision Screening: Referral Criteria for the PediaVision PlusOptix S04 Photoscreener Compared to Visual Acuity & Digital Photoscreening: "Kindergarten Computer Photoscreening".. *Binoc Vis Strabismus Q* . 2007;22(2):83-89.
- Mahon K, **Arnold RW**, Koller HP, Nelson LB. Symptomatic convergence insufficiency (Eye to Eye). *JPOS*. 2007;44(4):202-206.
- Wallace DK, Chandler DL, Beck RW, **Arnold RW**, Bacal DA, Birch EE, Felius J, Frazier M, Holmes JM, Hoover D, et al: Treatment of Bilateral Refractive Amblyopia in Children Three to Less Than 10 Years of Age. *Am J Ophthalmol* 2007, 144:487-496.
- Arnold RW**, Clausen M, Ryan H, Leman RE, Armitage D. Predictive Value of Inexpensive Digital Eye and Vision Photoscreening: "PPV of ABCD". *Binocul Vis Strabismus Q* 2007;22:148-52.
- Arnold RW**, Leman RE. Radio-opaque modification/substitute for the Wright superior Oblique Tendon extender for superior oblique muscle overaction strabismus. *Binoc Vis and Strabismus Quart* 2007;22:216-220.
- PEDIG, Cotter SA, Edwards AR, **Arnold RW**, et al. Treatment of strabismic amblyopia with refractive correction. *Am J Ophthalmol* 2007;143:1060-3.
- Kirk VG, Clausen MM, Armitage MD, **Arnold RW**. Preverbal photoscreening for amblyogenic factors and outcomes in amblyopia treatment: early objective screening and visual acuities. *Arch Ophthalmol* 2008;125:489-492.

- PEDIG, Repka MX, Chandler DL, et al. Primary treatment of nasolacrimal duct obstruction with probing in children younger than 4 years. *Ophthalmology* 2008;115:577-584 e3.
- Arnold RW**, Stark L, Leman RE, Arnold KK, Armitage MD. Tent photoscreening and patched acuity by school nurses: Validation of ASD-ABCD. *Binoc Vis and Strabismus Quart* 2008;23(3):83-94.
- Arnold RW**, Armitage MD, Limstrom SA. Sutured protective occluder for severe amblyopia. *Arch Ophthalmol* 2008;126(7):891-895.
- Arnold RW**. Optic nerve hypoplasia potentiates retinopathy of prematurity. *JPOS* 2008;45(4):247-249.
- Arnold RW, Arnold AW: Refractive error in Myanmar. (Letter), *Ophthalmol* 2008;115(9): 1642-3.
- PEDIG, Christiansen SP, Chandler DL, Holmes JM, **Arnold RW**, Birch E, et al. Instability of ocular alignment in childhood esotropia. *Ophthalmology*. 2008;115(12):2266-2274 e2264.
- PEDIG, Scheiman MM, Hertle RW, Kraker RT, Beck RW, Birch EE, Felius J, et al. Patching vs atropine to treat amblyopia in children aged 7 to 12 years: a randomized trial. *Arch Ophthalmol*. 2008;126(12):1634-1642.
- Clausen MM, Armitage MD, **Arnold RW**. Overcoming barriers to pediatric visual acuity screening through education plus provision of materials. *J AAPOS*. Apr 2009;13(2):151-154.
- Pratt L, **Arnold RW**, Jacob J. Frequent ROP Associated with Hypoxic Protocol. *J Pediatr Ophthalmol Strabismus*. Jul-Aug 2009;46(4):253.
- Matta NS, **Arnold RW**, Singman EL, Silbert DI. Comparison between the plusoptiX and MTI Photoscreeners. *Arch Ophthalmol*. Dec 2009;127(12):1591-1595.
- Arnold RW, Lichtenstein SJ, Nelson LB: Treatment options for dense amblyopia in uncooperative children. *Eye to Eye*. *JPOS* 2010, 47(3): 134-138.
- Arnold RW: Prevalence of refractive error (Letter). *Ophthalmol* 117(8):1652, 2010.
- Matta, N. S., **R. W. Arnold**, Singeman EL, Silbert DI. (2011). "Can a photoscreener help us remotely evaluate and manage amblyopia?" *Am Orthopt J* **61**: 124-127.
- Arnold, R. W., S. Davidson, et al. (2011). "Stereopsis and 3-d movies." *J Pediatr Ophthalmol Strabismus* **48**(4): 199-201.
- Arnold, R. W., D. N. Duss, et al. (2011). "Diagnosis and management of anisocoria in a 6-month-old child." *J Pediatr Ophthalmol Strabismus* **48**(2): 71-73.
- Arnold RW, Neely DE, Donahue SP: Amblyopia refractive risk factors (letter). *Ophthalmol* 2012; 119 (6): 1283 [Varma, Rohit, MD, MPH, MEPEDS, *Ophthalmology* 119(6):1283-1284]
- Arnold, R. W., B. Davis, L.E. Arnold, K.S. Rowe, J.M. Davis. (2012). "Calibration and validation of 9 objective vision screeners with contact-lens induced anisometropia." Retrieved 9/5/2012, 2012, from <http://www.abcd-vision.org/references/Calibrate-9/Calbrate-9.htm>.
- Arnold RW**, Arnold AW, Eby E, Aleshire J: Lay person slit lamp detection of iritis in absence of an Eye MD: Test of a portable model of cells and flare, *Binoc Vis Strab Q* 2012; 27(2):129-134.
- Arnold RW**, Jacob J, Matrix Z: A cloud-based electronic medical record for scheduling, tracking, and documenting examinations and treatment of Retinopathy of Prematurity. *JPOS* 49(6):342-346
- Arnold RW: A video educational and consenting system for ROP (letter). *JPOS* 2012, 49(6):382.
- Arnold RW**, Tulip D, McArthur E, Shen J, Tappel J, Arnold LE, Winkle E, Armitage MD: Predictive value from pediatrician PlusoptiX: Impact of refraction and ocular alignment. *Binoc Vis Strab Q*, 2012 27(4):227-232.
- Miller JM, Lessin HR, AAP [Arnold RW, Matta N, Dobson V, Bateman, B]: Instrument-based pediatric vision screening policy statement. *Pediatrics* 2012, 130(5):983-986.

Silbert DI, **Arnold RW**, Matta NS: Comparison of the iScreen and the MTI photoscreeners for the detection of amblyopia risk factors in children. *JAAPOS* 2013, 17(1):34-37.

Donahue SP, Arthur B, Neely DE, **Arnold RW**, Silbert D, Ruben JB: Guidelines for automated preschool vision screening: A 10-year, evidence-based update. *J AAPOS* 2013, 17(1):4-8.

Arnold RW, Arnold AW, Armitage MD, Shen JM, Hepler TE, Woodard TL: Pediatric photoscreeners in high risk patients 2012: A comparison study of Plusoptix, iScreen and SPOT. *Binoc Vis and Strabismus Quart* 2013, 28(1):20-28.

Biro A, Arnold RW, Donahue SP, Hered RW, Hunter DG, Neely DE, Stahl ED: Early instrument-based vision screening endorsed for preschool children. In: *Ocular Surgery News*. vol. 31. Thorofare, N.J.: SLACK; 2013: 1, 10-12.

Arnold RW, Davis B, Arnold LE, Rowe KS, Davis JM: Calibration and validation of nine objective vision screeners with contact lens-induced anisometropia. *J Pediatr Ophthalmol Strabismus* 2013, 50(3):184-190.

Arnold RW: Amblyopia risk factor prevalence. *J Pediatr Ophthalmol Strabismus* 2013, 50(4):213-217.

BOOK CHAPTERS:

- Arnold RW: Amblyopia. A Colour Handbook of Pediatric Ophthalmology, Edited by Leonard Nelson and Scott Olitsky, for Manson Publishing Ltd, 73 Corringham Road, London, NW 11 7DL , U.K., manson@mansonpublishing.com, 2009, Softcover, 320 pages, 234 x 156 mm page size, 350 illustrations, 32 tables, ISBN: 978-1-84076-151-1, Publication year: 2011

Arnold RW: Vision Screening: Key issues toward worldwide amblyopia elimination. US Ophthalmic Review and European Ophthalmic Review, www.touchbriefings.com.

WEBSITES:

www.ABCD-Vision.org

www.AKEyedoc.com (transferred)

www.BurmaVision.org

www.RunForReliefBurma.com

PRESENTATIONS:

- Arnold, R.W. and Nadel, E.N., Reduction of the human diving response by heat and hypovolemia. Fed. Am. Soc. Exp. Biol., St. Louis, April, 1984.
- Arnold, R.W. and Troutmann, J.C., Cerebrovascular Visual Complications, Mayo Ophthalmology Grand Rounds, August 19, 1985.
- Arnold, R.W. Modifications in the Vasomotor Arm of the Human Diving Response. Undersea and Hyperbaric Medical Society Workshop, Buffalo, New York, October 29, 1985.
- Arnold, R.W., Troutmann, J.C., Lesions which can Manifest as "Chiasmal" Visual Field Defects. Mayo Ophthalmology Grand Rounds, April 22, 1986.
- Arnold, R.W., Stickler, G.B., Bourne, W.M., Mellinger, J.F., Corneal Crystals. Mayo Ophthalmology Grand Rounds, October 8, 1986.
- Arnold, R.W. and Dyer, J.A., The surgical treatment of exotropia. Mayo Ophthalmology Grand Rounds (Minithesis), November 5, 1986.
- Arnold, R.W. Traumatic Ametropia and Other Acquired Refractive Errors. Minnesota Academy of Ophthalmology, Minneapolis. December 5, 1986.
- Arnold, R.W., Benedett, R., Robertson, D.M., Infectious Retinitis. Mayo Ophthalmology Grand Rounds, September 9, 1987.
- Arnold, R.W. and Campbell, R.J., Conjunctival Pigmentation: Golf Ball Core. Mayo Ophthalmology Grand Rounds, September 24, 1987
- Arnold, R.W., Dyer, J.A., Experience with Exotropia. Ophthalmic Reviews, Rochester, Minnesota, April 24, 1987.
- Arnold, R.W., Dyer, J.A., Low, P.A., The oculo-cardiac reflex: correlations with other cardiac vagal maneuvers. A.R.V.O., Sarasota, Florida, May 4, 1987.
- Arnold, R.W. and Johnson, D.H., Amaurosis Fugax; the Iris Chafe Syndrome. Mayo Ophthalmology Grand Rounds, May 20, 1987.
- Arnold, R.W. and Hohberger, G.G., Infantile Esotropia. Mayo Ophthalmology Strabismus Conference, July 30, 1987.
- Arnold, R.W. and Dyer, J.A., Selected Contact Lens Problems. Mayo Ophthalmology Grand Rounds, October 21, 1987.
- Arnold, R.W., Smith, B.E., Hardwig, P.W. Palinopsia: second thoughts about afterimages. Mayo Ophthalmology Grand Rounds, November 14, 1987.
- Arnold, R.W. The Pre-operative prediction of the Oculocardiac Reflex, Minnesota Academy of Ophthalmology, St. Paul, Minnesota, December 11, 1987.
- Arnold, R.W., and Bartley, G.B. What's Hot in Ophthalmology; fire in the O.R., Mayo Ophthalmology Grand Rounds, December 23, 1987.
- Arnold, R.W., Arnold, K.K., Brehmer, N. Ophthalmic Surgery. Inservice Conference, Dept. of Surgery, Rochester Methodist Hospital, January 6, 1988
- Arnold, R.W. Emergency Eye Care. Mayo Emergency Medicine Core Lectures, St. Mary's Hospital, February 16 and March 31, 1988
- Arnold, R.W. The Oculocardiac Reflex: can we predict it? Mayo Ophthalmology Grand Rounds, May 11, 1988.
- Arnold, R.W., Can we predict the oculocardiac reflex? Mayo Anesthesiology Grand Rounds, June 22, 1988.
- Arnold, R.W., Low, P.A. Differential Vasovagal Sensitivities to Several Autonomic Maneuvers in Man. Am. Neurol. Assoc., Philadelphia, October 4, 1988.

Arnold, R.W. Rapidly growing orbital masses in children. I.U. Ophthalmology Grand Rounds, November 2, 1988.

Arnold, R.W. Asymmetric ocular dysmorphogenesis. I.U. Ophthalmology Grand Rounds, November 9, 1988.

Arnold, R.W., Can we predict the oculocardiac reflex? LSU Eye Center, February 16, 1989.

Arnold RW. The physiology and pathology of children's eyes. Indiana School for the Blind. April 8, 1989.

Arnold RW, Yung C-W, Engel WK, Plager DA, Helveston EM, Ellis FD: Asymmetric Ocular Dysmorphogenesis. AAPO&S, Kiawah Is, SC, April 17, 1989.

Arnold RW, Gould AB, McKenzie R, Low PA: Exaggerated carotid sinus bradycardia in oculocardiac reflex sensitive patients. ARVO, Sarasota, FL May 1, 1989.

Arnold RW: Clinical application of the Red Reflex. IOPPS, Indianapolis, IN, May 10, 1989.

Arnold RW: The Oculocardiac Reflex. IU Ophthalmology Grand Rounds, May 17, 1989.

Arnold RW, Sprunger DT, Engel WK: The effect of caffeine and oral Timoptic® on hand steadiness in ophthalmic microsurgeons. IU Ophthalmology Resident's Day, June 9, 1989.

Arnold RW: Update in Pediatric Ophthalmology, Mayo Visiting Lecture, August 8, 1989.

Arnold RW: The Ophthalmic Examination. WAMI University of Alaska, Anchorage Feb 16, 1990; March 6, 1991

Arnold RW: Atypical hypobaric ocular trauma from a Popper®, (poster) AAPO&S, Montréal, Québec, May 15-19, 1991.

Arnold RW: Practical Techniques in Ocular Emergencies, Alaska Eye Education Meeting, May 29, 1991

Arnold RW: Christian Vision: Can you believe what you see? Anchorage Grace Brethren Church May 1991

Arnold RW: Esotropia, Adult Squint and ROP, Alaska Eye Meeting, Anchorage, October 23, 1991

Arnold RW: Pediatric Eye and Strabismus, Alaska Optometric Association, Anchorage, December 8, 1991

Arnold RW: Limbal Reference for ROP Cryotherapy, Poster, AAPO&S Maui 2/11/92

Arnold RW: Alaskan Natives: High Risk for ROP, AAPO&S Maui 2/11/92

Arnold RW: Retinopathy of Prematurity in Alaska, 19th Annual Perinatal Symposium, Hotel Cpt. Cook, Anchorage, 3/26/92

Arnold RW: Pediatric Eye Surgery, Dept of Surgery Conference, Providence Hospital, Anchorage 4/7/92

Arnold RW: Neonatal Eyes and ROP, Perinatal Conference, Providence Hospital, Anchorage 4/14/92

Arnold RW: Enhanced Brückner vision screening for Alaska. Public Health Nurse Inservice, Municipal Health Dept Anchorage, 3/16/93.

Arnold RW, Werner R: Orbit and Nasolacrimal Disorders. Alaska Eye Meeting, May 19, 1993.

Arnold RW: Strabismus. JCAHPO Alaska, Providence Hospital, June 30, 1993.

Arnold RW: Pediatric Ophthalmology, Alaska Medicine Conference- Alaska Association of Physician Assistants, Regal Alaska Hotel, October 21, 1993.

Arnold RW: Trauma and Acquired Refractive Errors. Alaska Eye Meeting, Providence Hospital, October 27, 1993.

Arnold RW: Pediatric vision screening with EBT. JCAHPO, AGBC, November 3, 1993

Arnold RW: ROP-Treating the Vast Expanse. (Poster), International conference on ROP, Chicago, November 19, 1993.

Arnold RW: Goopy Eyes, Shaken Kids and Vision Screening. Pediatrics Conference, Alaska Regional Hospital, November 30, 1993.

Arnold RW, Nuttal GA, Pease RJ, Alaska OCR Study Group: The effect of expired CO2 concentration on the oculocardiac reflex. Anesthetic Research Assoc, Orlando Florida, March 6, 1994.

Arnold RW: The oculocardiac reflex: More than you want to know. IU Pediatric Eye Fellows Mtg, Keystone at the Crossing, IN, 4/23/94.

Arnold RW: Oculocardiac Reflex: Report to the AK OCR Study Group (Ak Eye Mtg), Providence Hospital, AK, 5/18/94.

Arnold RW: Bilateral monocanalicular Crawford Loop: Easy removal for Remote NLD patients. AAPO&S/ISA Vancouver, BC, June 20, 1994

Arnold RW: A manicure for difficult Crawford intubations (Poster), AAPO&S/ISA Vancouver, BC June 20, 1994

Arnold RW, Droste P: AAPO&S Paperwork Exchange Workshop, AAPO&S/ISA, Vancouver, BC, June 22, 1994.

Arnold RW: Oculocardiac Reflex: Prevalence, Profile, Prediction and Prevention. W-7 Mayo Clinic, Rochester, Minnesota, July 28, 1994

Arnold RW: Vision screening with EBT and Avoidance of Pediatric Eye Pitfalls. W-7 Mayo Clinic, Rochester, Minnesota, July 29, 1994

Arnold RW: LIVE vision screening and Remote amblyopia treatment. Alaska Eye Meeting, Providence Hospital, April 26, 1995.

Arnold RW: Vision Screening with MTI. Pediatric Grand Rounds, Alaska Native Medical Center, May 23, 1995.

Arnold RW, et. al.: Case Report-Astrocytoma, Inferior Rectus Surgery and Myasthenia Gravis. Alaska Eye Meeting, Providence Hospital, May 24, 1995.

Arnold RW: Amblyopia, Vision Screening and Common Problems, Alaska Nurse Practitioners Association, Hilton Hotel, Anchorage, November 10, 1995

Blucher J. Sight-saving images. Anchorage Daily News. Anchorage, Feb 20, 1996:E1-E2.

Arnold RW, the Alaska OCR Study Group: Deep inhalational anesthesia reduces the oculocardiac reflex. (Poster) AAPO&S SnowBird, Utah, March 16, 1996.

Arnold RW: Application of MTI® photoscreening to Bush Alaska. CHA Health Aide Forum 96, Holiday Inn, Anchorage, Alaska April 24, 1996.

Arnold RW: The Bear went over the Mountain: the Graphic ROP Story (Poster), International Conference on Retinopathy of Prematurity, UIC Eye Center (Hyatt), Chicago, Illinois, Nov 1, 1996.

Arnold RW: The effect of surgical hypotonia on pre-threshold ROP (Poster), International Conference on Retinopathy of Prematurity, UIC Eye Center (Hyatt), Chicago, Illinois, Nov 1, 1996.

Arnold RW: Paperwork Exchange. AAPO&S Meeting, Charleston, S.C., April 3-6, 1997

Arnold RW: "Pediatric Eye Wilderness", Alaska Academy of Family Physicians, Fairbanks, Alaska June 21, 1997

Arnold RW, Schaefer C, Harned M, Siemens A, Armitage MD: A.B.C.D. Gold '98 Prospecting. Alaska Eye Meeting, The Children's Hospital @ Providence, Anchorage, October 8, 1997.

Arnold RW, Coon LJ: Alaska Blind Child Discovery Gold 98, Alaska Optometric Association, Girdwood, December 7, 1997.

Arnold RW: Oculocardiac Reflex- Research in ambulatory surgery which makes your heart skip a beat. Alaska Eye Meeting, PAMC, Anchorage December 10, 1997.

Arnold RW: Paperwork Exchange. AAPO&S Meeting, Palm Springs, California, April 4-8, 1998.

Wright K, Arnold RW, the Alaska Eye Meeting, Regal Alaska Hotel, Anchorage June 18, 1998

Byers KA, Arnold RW: Cost Effective Treatment of Nasolacrimal Duct Obstruction in Alaska, the Alaska Eye Meeting, Anchorage (Cedars Sinai C.M.E.) June 18, 1998

Arnold RW: The Alaska Blind Child Discovery Program, District 49-A Lions Meeting, Holiday Inn, Anchorage, Alaska , November 13, 1998.

Arnold RW, Arnold KK, Goodman N: The Alaska Blind Child Discovery, The Norma Goodman Show, KTVA Television Talk Show, Anchorage, January 4, 1999.

Arnold RW: Paperwork Exchange, AAPO&S Meeting, Toronto, Ontario, April 15-18, 1999

Arnold RW: Vision Screening with Photoscreener, Community Health Aid Program, Anchorage, May 12, 1999.

Arnold RW: Rationale for Childhood Vision Screening and the ABCD project. Certified Ophthalmic Techs of Alaska, Anchorage, Sept 25, 1999.

Arnold RW: Photoscreening and the ABCD Program. Pediatric Grand Round, Anchorage Pediatric Group, October 26, 1999

Arnold RW: The forensic implications of refractive error. Alaska Eye Meeting, Anchorage, Alaska. September 29, 1999

Arnold RW: Screening and Telemedicine, Spanning the Millennium: Pediatric Ophthalmology at the Zoo. San Diego, California, April 12, 2000

Arnold RW, Armitage MD, Gionet E, Jastrzebski A, Kovtoun, TA, Machida C, Coon LJ: the cost and yield of rural photoscreening; the Alaska Blind Child Discovery (ABCD), AAPO&S poster, San Diego, California, April 15, 2000.

Arnold RW: Paperwork Exchange, AAPO&S, San Diego, California. April 14, 2000.

Arnold RW: Vision Screening controversy, Screening River and ABCD. District 49 Lions Convention, Sheraton Hotel, Anchorage, Alaska. May 11, 2000.

Arnold RW: Amblyopia: Prevalence, Diagnosis, Treatment and Psychosocial impact. National Association of Vision Professionals (NAVP) conference, Denver, Colorado. July 21, 2000.

Arnold RW: Vision Screening and State-of-the-Art Technology. National Association of Vision Professionals (NAVP) conference, Denver, Colorado. July 21, 2000.

Arnold RW: Alaska Blind Child Discovery Project: Photoscreening in rural Alaska. National Association of Vision Professionals (NAVP) conference, Denver, Colorado. July 21, 2000.

Arnold RW, Davis R, Phelps D: Acquired Blindness in the smallest Alaskans; Retinopathy of Prematurity, (conference: 3CME) Providence Alaska Medical Center, Anchorage, Alaska. August 9, 2000.

Blackledge J, Butler J, Arnold RW: ROP in Alaska: Race and Sex for Crying Out Loud. Acquired Blindness in the smallest Alaskans; Retinopathy of Prematurity, Providence Alaska medical Center, Anchorage, Alaska. August 9, 2000.

Arnold RW: Amblyopia: ABCD with digital JVC photoscreening, the ATS study and the Sew on Occluder for Severe Amblyopia. The Alaska Eye meeting, Anchorage, October 18, 2000.

Arnold RW: The JVC GR-DVM70u, Glasstron and Braille Lite: adaptive low vision technology and Visual Fields. Special Education Service Agency, Anchorage, January 4, 2001

Arnold RW: Photo Screening and Results, Southwest Regional Meeting, Alaska Public Health Nurses, Marriott Courtyard, Anchorage, Alaska. April 24, 2001.

Arnold RW: Amblyopia Treatment Trial and EYE√ @ 4, Pediatric Grand Rounds (APG), Anchorage, October 30, 2001

Arnold RW: Glasses alone for amblyopia and Amblyopia Detection in Pediatric Office Setting (ADIPOS), PEDIG, Tampa, Florida, January 13, 2002.

Arnold RW: Collaborative Care of ROP in Alaska. Pediatric Grand Rounds (ANMC), Anchorage, January 15, 2002.

Arnold RW: Ophthalmic Tips for School Nurses. APS Workshops for School Nurses, Service High, Anchorage, January 17, 2002.

Arnold RW, Limstrom SA, Armitage MD: Shield Occluder, (poster) AAPOS Annual Meeting, Seattle, Washington March 22-24, 2002.

Arnold RW: Vision screening and eye problems. APS Workshops for School Nurses, Service High, Anchorage, October 2002.

Arnold RW: Infant Learning Conference, Anchorage, December 18, 2002

Arnold RW: Remote pediatric vision screening. Southwest Regional Public Health Nurses, Anchorage. January 9, 2003.

Repka MX, Arnold RW et al: Glasses alone for selected cases of amblyopia. PEDIG, Tampa, Florida. January 12, 2003.

Arnold RW, Woodard T: Pediatric vision screening and amblyopia therapy. Line One KSKA public radio, January 13, 2003.

Machida CJ, Arnold RW: The effect of muscle tension and fatigue on the oculocardiac reflex. (poster) AAPOS Annual meeting, Waikoloa, Hawaii, March 23-27, 2003.

Arnold RW: Paperwork Exchange. AAPOS Annual meeting, Waikoloa, Hawaii, March 23-27, 2003

Donahue SP, Armitage MD, Coon LJ, Arnold RW: History, Rational and Future of Preschool Vision Screening- the Vanderbilt and ABCD Experience. Childrens' Hospital at Providence, May 29, 2003

Pletnikoff, L, Arnold RW: Implementation and yield of photoscreening in Bristol Bay Alaska: High penetration pediatric vision screening in the Alaska Bush. ICCH12, Nuuk, Greenland, September 8-14, 2003. (12th International Congress on Circumpolar health)

Arnold RW: Red eyes and Vision Screening. APS Workshops for School Nurses, Service High, Anchorage, October 9, 2003.

Lang D, Blackledge J, and Arnold RW: The influence of Pacific Race, Sex and Ability to cry at 31-week exam on Threshold ROP, Third International Symposium on ROP, An Update on ROP from Lab to Nursery (Poster), Anaheim, California, November 13, 2003.

Arnold RW: Does Optic nerve Hypoplasia exacerbate Retinopathy of Prematurity? Third International Symposium on ROP, An Update on ROP from Lab to Nursery (Poster), Anaheim, California, November 13, 2003

Pletnikoff L, [Arnold R]: Implementation and yield of photoscreening in Bristol Bay Alaska. High penetration pediatric vision screening in the Alaska Bush. Arctic Health Sciences Seminar, Institute for Circumpolar Health Studies, American Society for Circumpolar Health, (UAA MPH Program), 3:30 pm, Anchorage, January 30, 2004.

Arnold RW: Photoscreening plus patched HOTV acuity study in the Anchorage School District, ASD Administrative Board Room, February 4, 2004.

Arnold RW: Vision and Learning, APS School nurse lecture, Service High School, Anchorage, February 12, 2004.

Arnold RW and Stark L: Orientation to ASD-ABCD Pre-K through First Vision Screening, Service High School, Anchorage, February 12, 2004.

Arnold RW and Stark L: Orientation to ASD-ABCD Pre-K through First Vision Screening, East High School, Anchorage, February 18, 2004.

Arnold RW and Stark L: Orientation to ASD-ABCD Pre-K through First Vision Screening, King Career Center, Anchorage, February 19, 2004.

Tulip H, Norman M, Arnold RW: The oculocardiac reflex: influence of re-operation, neurologic status and blood pressure (Poster), AAPOS Annual meeting, Washington, DC, March 27, 2004.

Rosen CE, Arnold RW: Ophthalmic Trauma from the perspective of orbit and strabismus, Connoco Phillips Safety meeting, Anchorage, May 26, 2004.

Arnold RW: Ophthalmic Surgery- Perspectives for perioperative nursing. Providence Hospital, Anchorage, July 1, 2004.

Coopes BJ, Arnold RW: Shaken Baby Syndrome: Retinal manifestations. Pediatric M&M Conference, Providence Hospital, Anchorage, September 23, 2004.

Arnold RW: Neurodevelopmental Issues and the Eye. Pediatric Neuro Conference, Providence Alaska Medical Center, October 1, 2004

Arnold RW: Typical and Terrible Red / Sore eyes in Kids. Alcon Pediatric Lecture, Sullivans' Steak House, Anchorage, October 5, 2004.

Arnold RW: Amblyopia Detection. Alaska Family Practice Residency Lecture, October 8, 2004.

Arnold RW: Compared chalazion prophylaxis and "Does massage work in NLD?" PEDIG section meeting, AAPOS Annual Meeting, Orlando, Florida March 10, 2005.

Arnold, RW, the AAPOS Vision Screen Committee: Pediatric Vision Screening (Workshop), AAPOS Annual Meeting, Orlando, Florida March 11, 2005.

Arnold RW, Stark L, Leman R, Arnold KK, Bates J, Armitage MD: Tent photoscreening and patched acuity by school nurses: validation of ASD-ABCD. AAPOS Annual Meeting, Orlando, Florida March 12, 2005.

Leman R, Bates J, Stark L, Arnold KK, Arnold RW: Photoscreening and patched HOTV acuity in schools: Implementation and Implications of ASD-ABCD (Poster). National Association of School Nursing, Washington, DC, July 1, 2005.

Arnold RW: Role of Pediatricians and FP (Screening for preclinical Vision loss) American Orthoptic Congress, Chicago, Ill, October 16, 2006.

Arnold RW: Stop Spectacles Safely and Chalazia Care, PEDIG, Tampa, Florida, January 21, 2006.

Arnold RW: Amblyopia- Emerging guidelines and Corneal Disease, Pediatric Grand Rounds, ARH Anchorage, AK, February 21, 2006.

Arnold RW, Jacob J: Relational Database Enhances ROP Scheduling, Follow-Up, Record-Keeping and Education, AAPOS, Steamboat Colorado, March 19, 2006

Clausen M, Arnold RW: Update on enhanced patched acuity, VisionQuest and Tent photoscreening. MatSu School Nurses Meeting, Mchetanz Conference Center, Wasilla AK, April 19, 2006.

Arnold RW, Clausen M, Regan J: Update on sensory and objective vision screening in schools, Anchorage School Nurses meeting, Capt Cook Hotel, Anchorage, April 22, 2006.

Arnold RW: Influence of Pacific Race on ROP and vision, Distict VIII Neonatology, Alyeska Prince, Alaska, June 30, 2006.

Arnold RW, Schmidt C, Clausen M: Vision Screening and PlusOptiX S04 in Alaska, PAMC Anchorage, August 17, 2006.

Arnold RW: Valid Efficient Pediatric Amblyopia Screening, Providence MatSu Health Care, Wasilla, August 30, 2006.

Arnold RW: Amblyopia- Emerging guidelines and External Disease. Alaska Nurse Practitioner Association 23rd Annual, Downtown Marriott, Anchorage, Alaska October 6, 2006.

Arnold RW, Clausen MM: Amblyopia Elimination: The Best We Can Do; Pediatric Grand Rounds, Alaska Regional Hospital, Anchorage October 31, 2006.

Arnold RW: RadioOpaque “Wrights” Superior Oblique Tendon Expander. Pre-AAO Pediatric Eye meeting, Cesar’s Palace, Las Vegas, NV November 10, 2006.

Arnold RW, Retinopathy of Prematurity Scheduling and Recording Software: Staff and Parent Initial Acceptance (Poster) AAO PO371 Las Vegas, 11/12/06

Arnold RW, Clausen MM, Ryan HA, Leman RE, Armitage MD: Predictive Value of Inexpensive Digital Photoscreening (AAO Talk PAO75), Las Vegas, 11/13/06

Eby E, Aleshire J, Arnold RW: Amateur Iritis Detection- Initial Parent Seminar: Ophthalmic Associates, Anchorage, 1/27/07.

Arnold RW: Vision Screening Update: Providence Alaska Family Practice Residency conference, Anchorage, 2/2/07

Arnold RW: Terminal Amblyopia Care: Safely Stop Spectacles protocol proposal, PEDIG, Tampa Florida, 2/11/07.

Kirk VG, Clausen MM, Armitage MD, Arnold RW: Treatment outcomes following toddler photoscreening, AAPOS, Seattle, Washington, April 12, 2007.

Clausen MM, Armitage MD, Arnold RW: Supply and educate gets patched HOTV acuity testing done (Poster), AAPOS, Seattle, Washington, April 12, 2007.

Arnold RW, Donahue SP, Hered RW: Rationale and technology for vision screening (Workshop), AAPOS, Seattle, Washington, April 13, 2007.

Eby E, Arnold RW: Iritis detection by parents. Ophthalmic Associates, Anchorage May 22, 2007

Arnold RW, Aleshire J, Eby E: Iritis detection for Family Practice. Providence Family Practice Residency Noon Lecture. May 23, 2007

Arnold RW: Ocular manifestations of Child Abuse. Mat Su Medical Center Grand Rounds, Wasilla, May 29, 2007.

Arnold RW: ROP- Nature and Nurture. NIC/Q Pod Visit, The Childrens Hospital at Providence, June 11, 2007.

Arnold RW: NICU ROP Exam Process, NIC/Q Pod Visit, NICU Providence, June 12, 2007.

Arnold RW, West E: Enhanced vision Screening for school nurses: Amblyopia- blurred Vision – Cure – Detection. ASD Inservice, Anchorage, August 17, 2007.

Arnold RW, Palin S, Parnell, S, Kirk VG, Leman R, ABCD: The ABCD Launch- Statewide elimination of Amblyopia. [TCH@P](#), Anchorage, August 29, 2007

Christiansen SP, Chandler DL, Holmes JM, Arnold R, Birch EE, Melia M, Repka MX, Suh DW, Ticho BH, Wallace DK, PEDIG: Alignment instability in infantile esotropia. (poster), AAPOS, Washington DC, April 4, 2008.

Pratt L, Arnold RW: Muscle tension and oculocardiac reflex: influence of duration and second muscle. (poster), AAPOS, Washington DC, April 5, 2008.

Arnold RW, West E, Arnold K: Amblyopia reduction in Anchorage and Alaska through objective and sensory school screening. Anchorage School District Nurses; September 9, 2008.

Arnold RW: photoscreening time is ready, Pediatric Subspecialty Day, AAO, Atlanta November 8, 2008

Arnold RW: Practical Portable Clinical Photoscreening, American Orthoptics Association, AAO, Atlanta, November 9, 2008

Arnold RW: Review the Kirk Article, Editor's Choice, AAO, Atlanta, November 10, 2008.

Silbert, David I, Matta NS, Arnold RW, Singman EL: Evaluation of the Plusoptix S04 photoscreener and the MTI photoscreener compared to comprehensive pediatric ophthalmology examination (Poster), AAPOS, San Francisco April 18, 2009.

Arnold RW: Practical Electronic Medical Record Comparison (Workshop), AAPOS, San Francisco April 19, 2009.

Arnold RW, O'Neil J: practical experience and future of photoscreening, Pediatric Reception at AAPOS, San Francisco, April 19, 2009.

Matta NS, Arnold RW, Singman EL, Silbert DI: What do we do when the film runs out? Comparing the PlusOptix to the MTI Photoscreener, World congress of Pediatric Ophthalmology, Poster, Barcelona, Spain September 12-13, 2009.

Silbert, DI, Arnold RW, Matta NS, Singman EL: What do we do when the film runs out? Comparing the PlusOptix to the MTI Photoscreener, European Strabismological Association. Belgrade Serbia, October 4, 2009.

Arnold RW: Management of Pediatric Red eye, and the Iritis Model. Alaska Family Practice Residency Noon Lecture, January 14, 2010, Anchorage, Alaska

Arnold RW: Burma Vision, Alaska Eye Meeting, Anchorage, Alaska April 7, 2010.

Arnold RW, Eby E, Aleshire J, Arnold AW: Home monitoring of JRA iritis; Feasibility of a model. AAPOS (poster), Orlando, Florida, April 17, 2010.

Arnold RW: Eliminate Amblyopia in Alaska- Presentation to Ward Hinger and Stephanie Birch, 17th floor Robert Atwood Building, Anchorage, July 12, 2010.

Arnold RW: Vision Screening, optics, refraction and optical dispensing. FBR medic training, Tha Uh Wah Camp, Kawthoolei Jungle School of Medicine, October 25-November 2, 2010.

Arnold RW, Tulip D: Remote vision screen plus provision of spectacles eliminates blindness. AAP Grand Rounds, Anchorage, Alaska (ARH), December 14, 2010.

Arnold RW: Vision screening, optics, refraction and optical dispensing. FBR Medic Training, Leh Tong Ku, Thai-Burma Border, March 7-11, 2011.

Arnold RW: High prevalence of AAPOS amblyopia risk factors, AAPOS. San Diego. March 31, 2011.

Arnold RW: Burma Vision. Sons of Norway, Anchorage. October 13, 2011.

Arnold RW: Eye trauma. Flight Nurse Conference, Alaska Regional Hospital. November 3, 2011.

Arnold RW, Mortensen C: Red eye and iritis, Alaska Family Practice Residency noon conference, November 15, 2011.

Arnold RW: Aapos, B-Scan A-scan poster. March 25, 2012, San Antonio, Texas

Arnold RW, Trujillo A, Trujillo C, McAllister, R: Eye Lecture and Practical Teaching-3 hours, Alaska Family Practice Residency, Anchorage, Ak, June 29, 2012.

Arnold RW: Burma Vision method for remote missions. Christian Medical and Dental Association, Providence W Aud. Anchorage, Alaska August 25, 2012.

Arnold RW, Nay Hser: Basic eye anatomy and vision screening; FBR Medic Training, Bung Klung, Thai-Burma border, March 12, 2013

Nay Hser, Arnold RW, Therin, M (D): Vision screening, acuity and optics, FBR Medic Training, LehTongKoh, Thai-Bruma border, March 14, 2013.

Arnold RW, Armitage MD: iCheckKids, SPOT, iScreen and PlusoptiX performance in a high-risk, young pediatric eye practice. Aapos. Boston, Mass., April 6, 2013. (Discussed by Sean Donahue, MD, PhD)

Arnold RW: Ocular manifestations of Neurofibromatosis. NF Symposium Alaska. May 19, 2013, Providence Alaska Medical Center.

Arnold RW, Armitage MD: Practical Validation of Plusoptix S12, iScreen, SPOT and iCheckKids. American Academy of pediatrics, Orlando, Florida, October 28, 2013 (Poster)

Arnold RW: Prctial Photoscreening in Alaska. All Alaska Pediatric Symposium. Girdwood, Alaska november 1-2, 2013.

In Progress:

Arnold, R.W., Bartley, G.B. Intraoperative fire.

Arnold, R.W., Yung, C.W., Engel, W.K., Plager, D.A., Helveston, E.M., Ellis, F.D. Ocular polydysmorphogenesis: With and without the CNS defects of the Walker-Warburg Syndrome.

Hughes R, Davidson J, Arnold RW, Helveston EM: A comparison of the Mentor BVAT® stereo test with Titmus®, Randot® and TNO®.

Arnold RW: Desagitalized rectus muscles: intraoperative evidence of retraequatorial muscle pulleys?

Longitudinal Infant Visual Exams (Providence IRB)

A nasolacrimal dilatory/rasp to reduce silicone stent wirestripping.

Byers K, Arnold RW: Treatment of congenital nasolacrimal duct obstruction in Alaska.

Arnold RW, Steiner G: PTK for deprivational amblyopia in Alaska.

Rosen CE, Arnold RW: Alaska experience with pediatric orbital masses

Pratt LE and Arnold: OCR muscles and ADBC compare

iCheckKids validate- with Silbert, D and Matta N. (2013)

Arnold RW, Coon LJ. Estimating the rarity of spectacles: to whom do these glasses belong? *J Forensic Sciences*. 2007;in press.

Web Sites

www.abcd-vision.org

www.share-the-joy.com (lapsed)

www.burmavision.com

www.akeyedoc.com (transferred)

www.runforreliefburma.org

www.ROPCheck.com

AFFILIATIONS:

Providence Hospital, Anchorage, Alaska (Section Chief, Ophthalmology;Surgery '92-92)
Columbia Alaska Regional Hospital, Anchorage, Alaska
The Surgery Center, Anchorage, Alaska
Geneva Woods Surgery Center, Anchorage, Alaska
Cordova Hospital, Cordova, Alaska
Kodiak Island Hospital, Kodiak, Alaska
Alaska Native Hospital, Anchorage, Alaska
Elmendorf Airforce Base Hospital consulting surgeon
Providence MatSu Medical Clinic, Wasilla, Alaska
Valley Hospital, Palmer, Alaska (withdrawn anytime they allow abortion)
South Penninsula Hospital, Homer, Alaska

American Academy of Ophthalmology (Fellow '91)
American Association for Pediatric Ophthalmology and Strabismus (Member 2/11/92)
Socio-Economic Committee (93-96, 2011-)
Vision Screening Committee (97-) Chair (2003-6)
Consultant (2007- 2012)
Nominating Committee (97-98)
Alaska Physicians and Surgeons (96-)
Alaska Eye Meeting (coordinator '92-)
Anchorage Grace Brethren Church (Member, Deacon 1996-9)
Faith Christian Community (2011-) (Missions Council 2011, Chair 2012-)
Grace Christian School Board (1999- , Treasurer 2000-01, President 2001-5)
Anchorage Crisis Pregnancy Center, Medical Advisory Board (90-93)
Alaska State Medical Association
Alaska Biathlon Association (USBA # 2962)
Bible Study Fellowship (1990-96)
Nordic Ski Association of Anchorage
Anchorage Trail Patrol-founder 1995
Promise Keepers (ID# 503391: 1995-)
Alaska Parenting Ophthalmic Advisory Board: 1993-9
Pediatric Eye Screening Study Group (1999-0)
Eye Screening Project (2000-2)
Pediatric Eye Disease Investigator Group (PEDIG) (1999-)
Amblyopia Treatment Study (1999-)
Esotropia Treatment Study (2005-)
Alaska Men's Ministry (Board of Directors, VP; 2006-)
Free Burma Rangers (2004-)
Thai Christian Foundation
Glacier Medical Software (president 2010-)

Students and Research Associates:

- '90 **Griff Steiner** (Univ of Nevada Medical School, Reno)
- '92 Shachar Tauber, M.D., (Tulane) ASEO#1
- '93 William Gruzensky, M.D. (Loma Linda/U.C. Davis) ASEO#2
- '94 Stanley Pletcher, M.D. (U Indiana) ASEO#3
- '95 Robert Wolf, M.D. (U Minn) ASEO#4
- '96 **Scott A. Limstrom**, M.D. (U Arizona) ASEO#5
- '97 Kara Ann Byers (Dimond High School, UAF)
- '98 **Matt Stump** (Seattle Pacific University)
- '98 **Adam Jastrzebski Ballinger** (Service High School, University of Washington)
- '99 **Elisha Gionet** (Grace Christian School, Univ of Washington)
- '99 **John Blackledge** (UAA, U Penn Dental)
- '99 **Jason Hickel** (Grace Christian School)
- '99 **Michael Owen** (Grace Christian School)
- '99 **Tatiana A. Kovtoun** (UAA, Ben Gurian; BGCU Medical School, Syracuse General Surgery)
- '99 **Christy Machida** (Grace Christian School, Columbia U)
- '00 Jenny Hultquist (Grace Christian School)
- '00 **Andrew W. Arnold** (Grace Christian School)
- '01 Heather March (Grace Christian School)
- '01 **Dustin Lang** (Wheaton, Univ. Wash Medical School)
- '01 Valla Jafari, M.D.ASEO#6
- '03 Hans Tulip (Grace Christian School, Masters College, U of W)
- '04 **Rachel Leman** (Grace Christian School, UAA)
- '04 Charles Chiang (ASEO #7)
- '05 Matt Hammons, MD (ASEO #8)
- '05 **Holly Ryan** (Grace Christian School)
- '06 **Michelle M. Clausen** (Westmont, GCS, Johns Hopkins)
- '06 **Valerie G Kirk** (South and GCS)
- '06 **Erin Eby** (South, Polaris)
- '06 **Jennifer Aleshire** (Dimond, Homeschool)
- '07 Matt Madsen (Midwestern Osteopathic University, Phoenix, Arizona)
- '07 **Lucas E Pratt**, (Covenant College)
- '08 Seth Kresovsky, MD (ASEO #9) IU Residency
- '09 Matthew Guess, MD (ASEO #10), IU Residency
- '10 **Elizabeth Winkle** (Grace, Dartmouth)
- '11 Aleah Bond (Westmond College)
- '11 **Laura Ellen Arnold** (Grace)
- '11 **Bethanne Davis** (Grace)
- '11 Curtis Mortensen, MD (Alaska Family Practice Residency)
- '11 **Kayla Rowe**, (Grace)
- '11 **Jodi Davis** (Grace)
- '11 Brian Cresap (Grace)
- '12 Claire Trujillo (Grace)
- '12 Anna Trujillo (Grace)
- '13 Becky Clark, MD (Ak Family Practice Residency)
- '13 Maya Tsao-Wu (Grace)
- '13 Lauren Tsao-Wu (Grace)

