

Heath W. Barto
Maple Grove, MN 55369
(612) 961-3877
heath.barto@gmail.com

EDUCATION

University of Minnesota, Minneapolis, MN
Orthoptic Training Program, Department of Ophthalmology, 2008
Bachelor of Arts in Physiology, 2006
Bachelor of Science in Biology, minor in Chemistry, 2005

Certification in Orthoptics by the American Orthoptic Council
September 19, 2008
Re-certified November 2016 – valid for 2017-2020

PROFESSIONAL AFFILIATIONS

American Academy of Certified Orthoptics
Member since 2008
Education Committee Member (2010-2013)
International Orthoptic Association
Member since 2008
Pediatric Eye Disease Investigator Group (PEDIG)
Masked Examiner – IX1, IXT2, HTS1, CITS
AAPOS Orthoptist Member since 2015

PROFESSIONAL EXPERIENCE

Northwest Eye Clinic; Maple Grove, MN
March 2014 - Present

Certified Orthoptist

- Perform extensive sensorimotor evaluations for diagnosis and treatment of strabismus and amblyopia
- Evaluate and monitor amblyopia therapies as directed by Pediatric Ophthalmologist
- Patient evaluations during physician clinics for comprehensive pediatric ophthalmology examinations
- Conduct independent adult and pediatric strabismus orthoptic clinics
- Triage phone messages and discussion of treatment plans with patients

Seattle Children's Hospital; Seattle, WA
June 2013 – February 2014

Certified Orthoptist

- Perform extensive sensorimotor evaluations for diagnosis and treatment of strabismus and amblyopia
- Evaluate and monitor amblyopia therapies as directed by Pediatric Ophthalmologist
- Perform sensorimotor evaluations in independent orthoptic clinics

- Patient evaluations during attending clinics for comprehensive pediatric ophthalmology examinations

Ann and Robert H. Lurie Children's Hospital of Chicago; Chicago, IL

August 2008 – May 2013

Certified Orthoptist

- Perform sensorimotor evaluations during independent orthoptic clinics
- Perform extensive sensorimotor evaluations for diagnosis of strabismus and amblyopia in attending clinics
- Evaluate and monitor amblyopia therapies as directed by Pediatric Ophthalmologist
- Triage and patient care explanations
- Oversee strabismus examinations for residents, fellows, and orthoptic students

Co-Program Director - Orthoptic Training Program

- Didactic and clinical instruction of AOC approved curriculum
- Administrative duties of recruitment, applications, and maintaining student records

Lions Gift of Sight (previously Minnesota Lions Eye Bank), Minneapolis, MN

August 2007 – July 2008; January 2015- present

Procurement Technician

- Perform enucleations for research or tissue for transplants
- Perform insitu surgical procedure to recover cornea tissue for transplantation
- Use of surgical and sterile techniques for tissue recovery intended for transplant
- Provide professional rapport with hospital and ME employees in community
- Teaching of new employees as well as community outreach on organ donation

Sun Country Airlines, Eagan, MN (MSP International Airport Terminal 2)

October 2006 – July 2008

Stations Customer Service Agent

- Ticket counter: domestic/international check-in, customer service, sales
- Gate: departures, boarding, arrivals, security, service, efficiency
- Icelandair: performed gate and ticket counter services for international flights

AppTec Laboratory Services, Eagan, MN

April 2006 – October 2006

Research Assistant I

- Perform all phases of testing used in the detection of mycoplasma
- Cleaning, environmental monitoring, and preparing reagents for testing

University of Minnesota, School of Dentistry, Minneapolis, MN

September 2005 – March 2006

Junior Scientist

- Maintained cancer cell lines (split, feed, freeze, count cells)
- Live animal surgeries (surgical prep, anesthesia, surgical procedure, post surgical care, and euthanasia) to study biomaterial for bone bio-implantation

3M ESPE Dental Products Division

March 2002 – August 2005

Technical Aide

- Research and development of dental adhesives, dental linings, composite materials, glass ionomers, and nanoparticle technology

RESEARCH AND LECTURES

“Stereoacuity outcomes following surgical correction of the nonaccommodative component in partially accommodative esotropia”

Sudhi P. Kurup MD, Heath W. Barto CO, Gihyun Myung MD, Marilyn B. Mets MD
Journal of American Association for Pediatric Ophthalmology and Strabismus {JAAPOS} Vol. 22, Issue 2, p92-96

“Strabismus in patients with neurofibromatosis type 1–associated optic pathway glioma”

Reut Parness-Yossifon, Robert Listernick, Joel Charrow, Heath Barto, Janice Lasky Zeid
Journal of American Association for Pediatric Ophthalmology and Strabismus {JAAPOS}, Vol. 19, Issue 5, p422–425

Resident lecture series - Northwestern University/Lurie Children’s

“Ocular Motility and Motor Physiology” Dec 7, 2012; Feb 2010

“Clinical Optics” February 4, 2011

New Resident Orientation - Northwestern University/Lurie Children’s

“Pediatric Ophthalmology Exam Techniques” July 2010, 2011, and 2012

Poster presenter at International Orthoptic Congress 2012, Toronto, Canada

“Outcomes including binocularity following the surgical correction of the non-accommodative component in accommodative esotropia”

“The effects of surgical correction on stereo acuity in adult strabismus patients”

Heath W. Barto, Tiffany Jean, Marilyn B. Mets

Journal of American Association for Pediatric Ophthalmology and Strabismus {JAAPOS}, Vol. 14, Issue 1, e12

Published in issue: February 2010

Poster presenter at AAPOS Annual Meeting 2010, Orlando, FL

“The effect of surgical correction on stereo acuity in adult strabismus patients”