

# SERENA XIAOHONG WANG, MD

## CURRICULUM VITAE

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### Medical Education and Qualifications:

ECFMG		October 1996
Kunming Medical College, Dept. of Medicine	M.D	1980 - 1985
Kunming Medical College, Dept. of Ophthalmology	Diploma	1985 –1987

### Appointments:

2013- Current	Associate professor, Department of Ophthalmology, University of Texas at Dallas, Southwestern Medical Center, Dallas, TX
2006-2013	Assistant professor, Department of Ophthalmology, University of Texas at Dallas, Southwestern Medical Center, Dallas, TX
2004-2006	Private practice, Pediatric Ophthalmology and Strabismus, P.A., and Center for Adult Strabismus, Dallas, TX
2003-2004	Fellow, Pediatric Ophthalmology and Strabismus, Department of Ophthalmology, University of Texas at Dallas, Southwestern Medical Center, Dallas, TX
2000-2003	Resident, Department of Ophthalmology, University of Texas at Dallas, Southwestern Medical Center, Dallas, TX
1999-2000	Intern, Department of Anesthesiology, University of Texas at Dallas, Southwestern Medical Center, Dallas, TX
1997-1999	Fellow, Cornea & External Disease, Department of Ophthalmology, University of Texas at Dallas, Southwestern Medical Center, Dallas, TX
1995-1997	Research associate, Regional Eye Care Associates, Texarkana, Arkansas

- 1994-1995            Research Fellow, Glaucoma Service, Department of Ophthalmology,  
Storm Eye Institute Medical University of South Carolina, Charleston SC
- 1993-1994            Research fellow, Pediatric Ophthalmology & Strabismus, Department of  
Ophthalmology, Storm Eye Institute Medical University of South Carolina,
- 1987-1993            Physician, Department of Ophthalmology, First Affiliated Hospital  
Kunming Medical College, Yunnan, China

### **Professional Memberships:**

- American Academy of Ophthalmology  
American Association of Pediatric Ophthalmology and Adult Strabismus  
The Association for Research in Vision and Ophthalmology  
Texas Association of Pediatric Ophthalmology and Adult Strabismus

### **Committee/Professional Activities**

- Member: America Academy of Ophthalmology 2018 Annual meeting Pediatric Ophthalmology /  
Adult Strabismus Subspecialty Meeting Planning Committee
- Member: America Academy of Ophthalmology 2017 Annual meeting Pediatric Ophthalmology /  
Adult Strabismus Subspecialty Meeting Planning Committee
- Member: American Association of Pediatric Ophthalmology and Adult Strabismus Society and  
Chinese Association of Pediatric Ophthalmology and Adult Strabismus Society Joint meeting  
planning Committee 2017
- Member: International affairs Committee, American Association of Pediatric Ophthalmology  
and Adult Strabismus Society 2012- present
- Member Operating Room Committee, Children's Health at Plano 2010- present

### **Awards:**

- 2017                    Friendship Golden Award for Distinguished Contribution to Promoting  
International Exchange and Collaboration on Chinese Pediatric  
Ophthalmology and Strabismus, Chinese Association of Pediatric  
Ophthalmology and Strabismus, October, 2018, Shanghai, China

- 2016 Best Pediatric Specialist in D Magazine  
2015 Best Pediatric Specialist in D Magazine  
2014 One honor point from the AAPOS Board of Directors for extensive work in translating and revising the Terms and Conditions into Chinese on AAPOS website  
2001: National Eye Institute ARVO Travel Grant: “Contact Lens Induced Corneal Warpage in Patients Scheduled for Photorefractive Surgery”  
1994: HELMA Award, Storm Eye Institute, Best Research Project: “Size of the pediatric capsular bag and its implication for IOL implantation”  
1994: Best Paper of Session Award at the Congress of the American Society of Cataract and Refractive Surgery, Boston, April 1994: “Comparison of mechanized and manual curvilinear capsulectomy in pediatric eyes”  
1980 -1985: Annual Student Award Scholarship  
Kunming Medical College, Department of Medicine

**Invited Speaker/ Guest lecture (Extramural)**

Invited Speaker: “Pediatric Uveitic Cataract Surgery” American Association of Pediatric Ophthalmology and Adult Strabismus Society and Chinese Association of Pediatric Ophthalmology and Adult Strabismus Society Joint meeting Shanghai, China October 12-15, 2017

Invited speaker: “Contact Lens in Aphakia Children” The Inaugural Asia-Pacific Strabismus and Pediatric Ophthalmology and The Inaugural Hong Kong Pediatric Ophthalmology Congress 2017, Hong Kong October 11-12, 2017

Invited Speaker, “Combined cataract and strabismus surgery” Chinese Medical Association, 22nd Annual Ophthalmological Society Conference, Fuzhou, China September 13-17, 2017

40° SIMASP invited lecturer, 1. Inferior Oblique Muscle Surgery, 2. Difficult Cataract Cases, 3. Interesting Strabismus Cases, 4. Management of Aphakia & Pseudophakia after Pediatric Cataract Surgery; 40th SIMASP, Sao Paulo, Brazil, February 16-18, 2017

Invited Speaker, Contact Lenses in Aphakic Children. International conference on Cataract and optometrist meeting. Manchester UK, August 2016.

Invited lecturer: “Common Pediatric Eye Diseases” Yunnan Western regional pediatric ophthalmology training program September 18-20, 2015, Dali, China

Visiting professor: “ Management of Pediatric Cataracts” Department of Ophthalmology, First affiliated Hospital, Kunming Medical University, Kunming China, March 29, 2015

Invited Speaker: “Techniques for Pediatric Cataract Surgery” The 30<sup>th</sup> Asia- Pacific Academy of Ophthalmology Congress(APAO) held in conjunction with The 20<sup>th</sup> Congress of the Chinese Ophthalmologic Society (CCOS) Guangzhou, China April 1-4, 2015

Invited speaker: “Pearl of Pediatric cataract surgery”, The 10<sup>th</sup> International Symposium of Ophthalmology, Hong Kong September 27, 2014

Invited speaker: “Update on Pediatric Cataract Surgery” International Symposium of Ophthalmology Guangzhou, China, November 9-11, 2013

Invited Speaker, Aphakia and Pseudophakia Management after Cataract Surgery in Children; The 15<sup>th</sup> National Congress of Pediatric Ophthalmology and Strabismus, Tianjin, China, June 23, 2013

Visiting Faculty lectures Visiting faculty lectures: **1.** IATS study update; **2.** Congenital Ocular Anomalies **3.** Commitment Strabismus **4.** Inferior oblique muscle surgery, American Association of Pediatric Ophthalmology and Strabismus joint training program with Chinese Association of Pediatric Strabismus Tianjin, China, June 21-25, 2013.

Visiting professor: “Treatment update on Childhood Cataracts” Department of Ophthalmology, Tianjin Medical University, Tianjin China June 24, 2012

Visiting faculty lectures: **1.** Pediatric Cataract Surgery; **2.** Congenital Abnormalities **3.** Vertical Strabismus, **4.** Intraocular Lens calculation in Pediatric cataract surgery, American Association of Pediatric Ophthalmology and Strabismus joint training program with Chinese Association of Pediatric Strabismus Tianjin, China, June 21-25, 2012.

### **Extra-departmental Lecturer**

Departments of Pediatrics, Family Practice, and UT Southwestern Medical School

Childhood Eye Problems, Challenges in Pediatric Cataract Surgery – Ophthalmology Review for Primary Care Physician, October 26, 2014

“Primary Care Issues in Pediatric Ophthalmology “Department of Pediatrics, Children’s Health  
Dallas, June 1, 2016

“ Common Pediatric Eye Diseases” Family Practice 2010, 2012, 2014

“ Ocular Infectious Diseases “ Department of Infectious Disease 2011

### **Funded Research (Extramural)**

Principal Investigator (Dallas Site) : Pediatric Cataract Surgery Outcomes Registry ( STU  
042012-057) JAEB – NIH (National Eye Institute and PEDIG *Pediatric Eye Disease Investigator  
Group* )(5U10EY011751-15

Principal Investigator ( Dallas site) : Investigational Plan for the Clinical Study of the  
ARTISAN® Aphakia Lens for the Correction of Aphakia in Children STU 082013-072)  
10/30/2013

Ophtec

Principal Investigator: A Randomized, Double-Masked, Parallel-Group, Phenylephrine-  
Controlled Study of the Effect of OMS302 Added to Standard Irrigation Solution on  
Intraoperative Pupil Diameter and Acute Postoperative Pain in Children Ages Birth through  
Three Years Undergoing Unilateral Cataract Extraction with or without Lens Replacement (STU  
082014-079) 10/16/2014 – 8/09/2017

Omeros

Co-Investigator: Infant Aphakia Treatment Study (STU 052011-151) - July 22, 2011

Emory/NIH (National Eye Institute )

Principal Investigator : A Randomized, Multicenter, Double Masked, Parallel-Group Study  
Assessing the Safety and Efficacy of Loteprednol Etabonate Ophthalmic Gel, 0.5% versus  
Prednisolone Acetate Ophthalmic Suspension, 1% for the Treatment of Intraocular Inflammation  
Following Surgery for Childhood Cataract (STU 062013-002)

Bausch and Lomb, thru 6/23/2017

Principle Investigator: A Phase 3B, Multicenter, Randomized, Double-Masked,Parallel-Group,  
Active-Controlled Study of the Safety and Efficacy of Difluprednate Ophthalmic Emulsion,  
0.05% (Durezol?) 4 Times Daily (QID) and Prednisolone Acetate Ophthalmic Suspension,1.0%  
(Pred Forte) QID for the Treatment of Inflammation Following Cataract Surgery in Children 0 to  
3 Years of Age (STU 102010-050) - 8/2/2012

Alcon

Co-investigator : A 3 Month, Multicenter, Double-Masked Safety and Efficacy Study of Travoprost Ophthalmic Solution, 0.004% Compared to Timolol (0.5% or 0.25%) in Pediatric Glaucoma Patients (STU 052012-077) - closed 5/2/2014

## Publications

Issaho DC, Wang SX, Weakley DR Jr.  
Intermittent exotropia surgery: results in different age groups. *Arq Bras Oftalmol*. 2017 Nov-Dec;80(6):355-358. doi: 10.5935/0004-2749.20170087.

Repka MX, Dean TW, Lazar EL, Yen KG, Lenhart PD, Freedman SF, Hug D, Rahmani B, Wang SX, Kraker RT, Wallace DK; Pediatric Eye Disease Investigator Group.  
Cataract Surgery in Children from Birth to Less than 13 Years of Age: Baseline Characteristics of the Cohort. *Ophthalmology*. 2016 Dec;123(12):2462-2473. doi: 10.1016/j.ophtha.2016.09.003. Epub 2016 Oct 18.

Issaho DC, Wang SX, de Freitas D, Weakley DR Jr. Variability in Response to Bilateral Medial Rectus Recessions in Infantile Esotropia. *J Pediatr Ophthalmol Strabismus*. 2016 Sep 1;53(5):305-10. doi: 10.3928/01913913-20160629-02. Epub 2016 Aug 4.

Zhang H, Wang X., Childhood Cataract Published by Tianjin Technology and Translation Publication, Inc. 2015

Beauchamp CL, Stager DR Jr, Weakley DR Jr, Wang X, Felius J.  
Surgical findings with the tinted AcrySof intraocular lens in children  
*J AAPOS*. 2007 Apr;11(2):166-9. Epub 2006 Nov 9.

Stager DR Jr, Wang X, Weakley DR Jr, Felius J  
The effectiveness of Nd:YAG laser capsulotomy for the treatment of posterior capsule opacification in children with acrylic intraocular lenses.  
*JAAPOS*. 2006 Apr;10(2):159-63

Stager DR Jr, Wang S, Stager DR Sr, Beauchamp GR, Felius J  
Nasal myectomy of the inferior oblique muscles for recurrent elevation in adduction.

JAAPOS. 2004 Oct; 8(5):462-5

Wang X, McCulley JP, Bowman RW, Cavanagh HD  
Time to resolution of contact lens-induced corneal warpage prior to refractive surgery.  
CLAO J 2002 Oct;28(4):169-71

Wang X, Shen J, McCulley JP, Bowman RW, Petroll WM, Cavanagh HD.  
Intraocular pressure measurement after hyperopic LASIK. CLAO J 2002 Jul;28(3):136-9

Wang X, McCulley JP, Bowman W, Cavanagh HD.  
Results of combined myopic astigmatic LASIK treatment and retreatments.  
CLAO J 2002 Jan;28(1):55-60

Miller AE, McCulley JP, Bowman RW, Cavanagh HD, Wang XH.  
Patient satisfaction after LASIK for myopia. CLAO 2001;27:84-88.

Bluestein EC, Wilson ME, Wang XH, Rust PF, Apple DJ.  
Dimensions of the pediatric crystalline lens: implications for intraocular lenses in children.  
J Pediatr Ophthalmol Strabismus. 1996 Jan-Feb;33(1):18-20.

Wang XH, Stewart W.C, Jackson G.J. Difference in Optic Discs in LTG Patients with relatively low or high Pressure. Acta Ophthalmologica Scandinavia 1996, 74, 364-367

Stroman GA, Stewart WC, Wang XH, Hamzavi S, Powers TP. Use of indocyanine green with diode laser transscleral cyclophotocoagulation in a cadaver eye model. Ophthalmic Surg Lasers 1995;26:582-3.

Stewart WC, Connor AB, Wang XH. Anatomic Features of the optic disc and risk of progression in ocular hypertension. Acta Ophthalmologica Scandinavia 1995, 237-241

Wang XH, Wilson ME, Bluestein EC, Auffarth G, Apple, DJ.  
Pediatric Cataract Surgery and Intraocular Lens Implantation Techniques: A Laboratory Study. J. Cataract & Refractive Surgery 1994; 20; 607-609

Wang XH, Wilson ME, Bluestein EC. Cornea Topographical Changes After Strabismus Surgery in Pediatric Eyes Transaction of VII International Strabismological Association / 20th American Association of Pediatric Ophthalmology and Strabismus Joint Meeting, Vancouver, June 18-22, 1994; 35-38

Wilson ME, Bluestein EC, Wang XH, Current Trend in the Use of Intraocular Lenses in Children. J. Cataract & Refractive Surgery 1994; 20; 579-583

Wilson ME., Apple DJ, Bluestein EC, Wang XH. Intraocular Lenses for Pediatric Implantation Biomaterials, Designs, and Sizing. J. Cataract & Refractive Surgery 1994; 20; 584-591

Wilson ME, Bluestein EC, Wang XH. Comparison of Mechanized Anterior Capsulectomy and

Manual Continuous Capsulorhexis in Pediatric eyes. J. Cataract & Refractive Surgery 1994; 20; 584-591

Bluestein EC, Wilson ME, Wang XH, Dimensions of the pediatric capsular bag: Implications for the intraocular lenses in Children Transaction of VII International Strabismological Association / 20th American Association of Pediatric Ophthalmology and Strabismus Joint Meeting, Vancouver, June 18-22, 1994; 499-502

Wei J.C., Wang XH. Retinal angiography in patients with eye contusion. Journal of Injuries and Occupational Disease of the Eye 1990 ; 2 ; 66-71

Wei JC, Wang XH. Fuchs` spot and its fluore-angiographical changes. Yunnan Medicine 1990;11; 41-43

### **Presentations /Posters**

Moderator

Pediatric Ophthalmology 2017: Sightseeing in New Orleans – For the Pediatric Ophthalmologist: PED04 - **Section III: Architectural Details – Corneal Structure and Disease**

“Interesting Pediatric Intraocular Surgeries” Texas Association of Pediatric Ophthalmology and Adults Strabismus Annual Meeting, Houston, TX, September 17, 2016

“Interesting Pediatric Intraocular Surgeries” Texas Association of Pediatric Ophthalmology and Adults Strabismus Annual Meeting, San Antonio, TX, September 17, 2016

Refractive Trend of Stage 3 retinopathy of Prematurity

Kim Le, Xihui Lin, Serena Wang, Poster AAO 2016 annual meeting New Orleans November 2015

Casey Beal, Serena Wang, Outcomes of Cataract Surgery in Pediatric Uveitic Cataract with and without Intraocular Lens placement AAPOS annual meeting 2014, Palm Spring CA

Michael Repka, Trevano Dean, Elizabeth Lazar, Sharon Freedman, Denise Hug, Phoebe Lenhart, Bahram Rahmani, Serena Wang, Kimberly G. Yen and Ramond T. Kraker

Pediatric Cataract Surgery: Baseline Characteristics of a North American Pediatric Eye Disease Registry



Zac West, MD, Serena Wang, MD

The Accuracy of Intraocular Lens Formulas in Children Age 2-18 The Association for Research in Vision and Ophthalmology annual meeting  
2012, Florida

Luisa Hopker, MD Serena Wang, MD, David Weakley Jr, MD

Refractive Changes in Children with Marfan Syndrome  
The Association for Research in Vision and Ophthalmology annual meeting  
2011, Florida

Ichihara E, Wang S, Weakley DR Jr

Pediatric Traumatic Cataract at Children's Medical Center During the Period 2006-2009:  
Surgical Intervention, Epidemiology and Outcomes, Poster presentation ARVO 2011

Lori Dao M.D., Serena Wang M.D., David Weakley, Jr., M.D., Philip Lieu.

Outcomes of Open Globe Ocular Injuries in Children from 2000-2009 at Children's Medical Center, Dallas, Texas American Association for Pediatric Ophthalmology and Strabismus Annual Meeting, April 14, 2010 Orlando, Florida

#### References:

1. David Weakley, MD  
Dept. of Ophthalmology, UT SW Med. Ctr. At Dallas  
5323 Harry Hines Blvd., Dallas, TX 75235  
☎: 214-456-2383
2. Mugen Liu, MD  
Dept. of Ophthalmology, UT SW Med. Ctr. At Dallas  
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3. Kamel Itani, MD  
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