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1 Background

1.1 Introduction

Cochrane Eyes and Vision (CEV) shares the vision of all Cochrane contributors, which is “a world of improved health where decisions about health and health care are informed by high-quality, relevant and up-to-date synthesized research evidence”. Cochrane views its mission as “responsibility to promote evidence-informed health decision-making by producing high-quality, relevant, accessible systematic reviews and other synthesized research evidence.” In many ways, Cochrane is a virtual organization due to its international membership. It comprises a Central Executive Office, which handles administrative tasks; a Central Editorial Unit, which is responsible for production and quality of the Cochrane Library; Centers, the voice of Cochrane within the respective countries who build partnerships with other organizations and provide training; Cochrane Review Groups (CRGs), which perform systematic reviews; Cochrane Fields, which promote the production of systematic reviews within broad areas that cross the focused areas of Cochrane Groups; Methods Groups, which develop and test the rigorous methods used by Cochrane Review Groups, and a Consumer Network, which provides for input from the lay public, for example input into selection of review questions.

In 2018, CRGs were grouped into eight networks (largely by similarity of topics). Each Network has a Network team comprising of a Senior Editor, Associate Editor, and a Network Support Fellow. The objectives of the Network structure are to support review production and capacity, prioritize topic, foster collaboration, support knowledge translation, and ensure accountability and sustainability of CRGs. CEV is under Cochrane Musculoskeletal, Oral, Skin and Sensory (MOSS) Network.

Cochrane Eyes and Vision (CEV)

CEV was registered as a CRG in 1997. Like Cochrane, CEV is an international network. Members of CEV work together to prepare, maintain, and promote access to systematic reviews of interventions specifically for the treatment or prevention of eye diseases or visual impairment. CEV also conducts systematic reviews of the accuracy of diagnostic tests for common ocular diseases or conditions. Currently, CEV has a main editorial office and two satellites, one in the United States (US) and one in Italy. Each of the CEV units has specific roles.

Cochrane Eyes and Vision UK Editorial Base

The CEV Editorial Base coordinates the process of producing Cochrane Reviews on eyes and vision, from title registration through to final publication of protocols and reviews in The Cochrane Library. The CEV Editorial Base, located at the London School of Hygiene and Tropical Medicine in London, United Kingdom (UK) since 1997 will be moved to Queen’s University, Belfast, Northern Ireland in April 2021. The CEV Editorial Base has been funded by the UK National Institute for Health Research (NIHR) since 1998.

The CEV UK Editorial Base is supported by a group of clinical and statistical editors covering all aspects of eye disease and visual impairment. The UK Editorial Base is responsible for ensuring that the protocols and reviews registered by authors are within CEV’s scope and that they meet Cochrane’s high standards. The UK Editorial Base comprises:

- Two Coordinating Editors, Dr. Richard Wormald (RW) and Dr. Jennifer Evans (JE), who guide editorial policy and strategic direction, and act as the Sign off editors on protocols and reviews for publication;
- A Managing Editor, Ms. Anupa Shah, who is responsible for the overall management, organization and day-to-day operations of CEV;
- An Information Specialist, Ms. Iris Gordon, who assists with identifying the evidence to be included in the systematic reviews by creating and running the electronic searches; and
- Other clinical experts located across UK serve as Contact Editors for CEV.
Cochrane Eyes and Vision US (CEV@US)

CEV@US has been funded by a contract with the National Eye Institute (NEI) from 2002 to 2009, a U01 grant from 2009 to 2017, and a UG1 cooperative agreement from 2017-2022. CEV@US was located at Brown University (2002 to 2005), Johns Hopkins Bloomberg School of Public Health (JHBSPH), Baltimore, Maryland (2005 to 2019), and has been located at the Department of Ophthalmology, University of Colorado Anschutz Medical Campus since October 1, 2019.

Dr. Kay Dickersin served as the PI of the NEI grant and Director of CEV@US until June 30, 2018. Dr. Tianjing Li became the PI and Director as of July 1, 2018. Dr. Li is also a Coordinating Editor for CEV beginning in 2018. CEV@US employs a Project Director, Methodologists, a Program Coordinator, a Review Production Manager, and several Research Assistants. In addition, Drs. Henry Jampel, Naresh Mandava, Alan Palestine, Barbara Hawkins, Roberta Scherer, and other Co-Investigators assist with assuring high quality systematic reviews, as contacts for reviewers, and as partners in performing methods research.

1.2 Goals of CEV@US

The overall objective of CEV@US is to facilitate the conduct of high quality, regularly updated systematic reviews in both ophthalmology and optometry, and the dissemination of review findings to help providers and patients make evidence-informed decisions.

Under the current cooperative agreement, CEV@US has five specific aims:

- Build a comparative effectiveness research workforce within the field of vision science by educating and training health professionals on key topics;
- Partner with professional societies, academic medical centers, journals, and others to ensure that the knowledge underpinning clinical practice is reliable, available, and applied;
- Prepare systematic reviews addressing prioritized questions, publish the reviews, and regularly update them as new research emerges;
- Conduct foundational methodological research related to systematic reviews; and
- Disseminate the results of our research.

1.3 Framework

CEV@US conducts systematic reviews for publication in The Cochrane Library. Topics for reviews are identified based on gaps from previous reviews and from interest and suggestions of experts in the field. Once a review topic has been identified and approved by the CEV Coordinating Editor, the CEV@US team coordinates the review. This coordination includes overall management using Cochrane’s Archie and RevMan review management systems; developing the protocol; creating and executing execution of literature searches; screening articles; abstracting and synthesizing data; drafting the manuscript alongside clinical experts; identifying contact editors and potential peer reviewers; managing the editorial and peer review process; and publishing in The Cochrane Library.
## Participants

### 2.1 Current faculty and staff

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<td><a href="mailto:Jennifer.Evans@lshtm.ac.uk">Jennifer.Evans@lshtm.ac.uk</a></td>
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</table>
## 2.4 Members of CEV@US Advisory Board

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Institution</th>
<th>Dates</th>
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</thead>
<tbody>
<tr>
<td>Sangeeta Bhargava, PhD</td>
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<td>Project Officer National Eye Institute Executive Plaza South 6120 Executive Blvd, Suite 350, MSC 7164 Bethesda, MD 20892 phone: (301) 451-2020 email: <a href="mailto:sangeeta.bhargava@nih.gov">sangeeta.bhargava@nih.gov</a></td>
<td>2017-present</td>
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<td>Roy Chuck, MD, PhD</td>
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<td>Anne Coleman, MD, PhD</td>
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<td>2003-present</td>
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<td>Adam Glassman, MS</td>
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<td>William Vaughan</td>
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<td>Marie Diener-West, PhD</td>
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<td>Donald S. Minckler, MD</td>
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2.5 Partnering organizations

American Academy of Ophthalmology
American Academy of Optometry
American Glaucoma Society
American Society of Retina Specialists
Asian-Oceanic Glaucoma Society
European Glaucoma Society
Consumers United for Evidence-based Healthcare (consumer organization)
Diabetic Retinopathy Clinical Research Network (DRCR.net)
Pediatric Eye Disease Investigator Group (PEDIG)
Dry Eye Zone (Rebecca Petris) (consumer organization)
MD Support (Dan Roberts) (consumer organization)
Tear and Film Society (consumer organization)

2.6 CEV Centers for Evidence-Based Vision Care

Responsibilities of being a Center:
- Complete 5 or more CEV reviews or have 3 or more first authors of CEV reviews;
- Attend or host Cochrane-related trainings; and
- Complete and update reviews in a timely fashion.

Current CEV Centers for Evidence-based Vision Care:
1. The Wilmer Eye Institute at Johns Hopkins, Baltimore, Md (January 2014)
2. The Byers Eye Institute, Stanford University, Palo Alto, Ca (transferred from the Truhlsen Eye Institute, University of Nebraska Medical Center, Omaha, Ne in April 2017) (July 2015)
3. The Stein Eye Institute, University of California, Los Angeles, Los Angeles, Ca (March 2018)
4. Ohio State University College of Optometry, Columbus, Oh (April 2019)
5. Montefiore Medical Center, Department of Ophthalmology and Vision Sciences, New York, Ny (September 2019)
6. G.B. Bietti Foundation, Milan, Italy (July 2020)
7. The University of Florence, Florence, Italy (July 2020)

3 Research activities

3.1 Peer reviewed scientific publications

3.1.1 The Cochrane Library – Systematic reviews and updates of systematic reviews published with at least one US-based author

   - Dickersin K, Li T. Surgery for nonarteritic anterior ischemic optic neuropathy. Cochrane Database of Systematic Reviews 2015, Issue 3. Art. No.: CD001538. doi:10.1002/14651858.CD001538.pub4 (no change to conclusions) (PMC4439207) [Flagged as stable and no longer being updated.]

   • Wilkinson CP. Interventions for asymptomatic retinal breaks and lattice degeneration for preventing retinal detachment. Cochrane Database of Systematic Reviews 2012, Issue 3. Art. No.: CD003170. doi:10.1002/14651858.CD003170.pub3 (no change to conclusions) (PMC4730545)


   - Gehlbach P, Li T, Hatef E. Statins for age-related macular degeneration. Cochrane Database of Systematic Reviews 2012, Issue 3. Art. No.: CD006927. doi:10.1002/14651858.CD006927.pub3 (no change to conclusions) (PMC3804324)


• Lindsley K, Nichols JJ, Dickersin K. Interventions for acute internal hordeolum. Cochrane Database of Systematic Reviews 2013, Issue 4. Art. No.: CD007742. doi:10.1002/14651858.CD007742.pub3 (no change to conclusions) (PMC4261920)


34. Hatt SR, Gnanaraj L. Interventions for intermittent exotropia. Cochrane Database of Systematic Reviews 2013, Issue 5. Art. No.: CD003737. doi:10.1002/14651858.CD003737.pub3 (PMC4307390)


88. Gutierrez M, Rodriguez JL, Zamora-de La Cruz D, Flores Pimentel MA, Jimenez-Corona A, Novak LC, Cano Hidalgo R, Graue F. Pars plana vitrectomy combined with scleral buckle versus pars plana...


3.1.2 The Cochrane Library – Protocols of systematic reviews published with at least one US-based author


3.1.3 Journal articles – Co-publications of CEV reviews


3.1.4 Journal articles – Methodological


33. Le JT, Qureshi R, Li T. Open access journals in ophthalmology and vision science: all that glitters is not gold. Ophthalmology. 2018;125(9):1314-6. doi:10.1016/j.ophtha.2018.06.019 (PMC6261311)


3.2 Clinical practice guidelines


3.3 Other clinical papers


3.4 Editorials, book reviews, and letters

3.5 Books and book chapters

3.6 Cochrane Colloquium – Posters and oral presentations
1. Manheimer E, Lefebvre C, Timimi H, Rutks I, Ghersi D. Lessons learned and ongoing challenges in developing an international, collaborative register of controlled trials with many contributors. (poster)
2. Wieland S, Brodney S, Dickersins K. Designing an efficient and precise search strategy for observational studies. (poster)

5. Wieland S, Manheimer E, Brodney S. Status of MEDLINE records classified as CCT on the basis of abstracts. (poster)


8. Dickersin K. Supporting the review process with study-based registers. A vision for the Cochrane Collaboration. (oral)
9. Scherer R, Brodney-Folse, Costantino CA, Dickersin K. Training handsearchers: going from a paper to a web-based course. (poster)

11. Scherer RS. Are harms reported in abstracts of trial results from conference proceedings? (oral)

12. Li T, Dickersin K, Ssemanda E, Scherer R, Ervin A. Evidence-based priority-setting for new systematic reviews: a case study for primary open-angle glaucoma. (oral)
15. Wieland S, Dickersin K. Why were they missed? Randomized controlled trials (RCTs) identified through the MEDLINE Retagging Project but not the US National Library of Medicine (NLM). (poster)

16. Dickersin, K. Report from the stakeholder summit on using quality systematic reviews to inform evidence-based guidelines. Creating a closer working relationship between Cochrane and guidelines developers. (special session)
17. Scherer R. Evidence-based priority-setting for new systematic reviews: A case study of primary open-angle glaucoma using practice guidelines. (oral)

21. Scherer R, Ervin A, Dickersin K. Correspondence between Cochrane classification of trials and MEDLINE publication type indexing. (oral)
22. Vedula S. Inconsistent reporting of analyses in selected industry-sponsored clinical trials. (oral)

23. Huynh L, Scherer RW, Ervin A, Dickersin K. Primary outcomes reported in abstracts and ClinicalTrials.gov- Do they agree? (oral)
24. Li T, Dickersin K. Impact, accountability and sustainability of the Cochrane Prioritization Project-Eyes and Vision Group experience. (oral)
25. Vedula SS, Mahendraratnam N, Rutkow H, Kaufmann C, Rosman L, Twose C, Dickersin K. A snowballing technique as an alternative to screening 2 million citations: A case study but will it work? (poster)
27.Dickersin K, Wieland S, Lindsley K. Developing and implementing a free, online course on peer review of the biomedical literature. (poster)
29. Saldanha IJ, Vedula SS, Yu T, Rosman L, Twose C, Li T, Dickersin K. Learning by doing- Teaching systematic review methods in 8 weeks. (poster)
30. Yu T, Dickersin K. Outcome reporting in clinical trials and systematic reviews on medical interventions for primary open-angle glaucoma. (poster)

32. Li T, Vedula S, Hadar N, Parkin C, Lau J, Dickersin K. Technological solutions for efficient and sustainable data abstraction in systematic reviews. (poster)
33. Lindsley K, Cameron N, Wormald R, Li T, Dickersin K. Evaluating the transitivity assumption when constructing network meta-analyses: lumping or splitting? (oral)
34. Rosman L, Twose C, Li M, Li T, Dickersin K. Teaching searching in an intensive systematic review course: “How many citations should I expect to review?” (poster)
35. Saldanha IJ, Wang X, Li T, Dickersin K. Completeness of outcome specification across Cochrane systematic review of three common eye conditions: Time to be more explicit! (poster)
36. Saldanha IJ, Wang X, Li T, Dickersin K. Variation in outcome measure usage across Cochrane systematic reviews related to three common eye conditions. (oral)
37. Scherer R. Full publication of studies presented at biomedical meetings – updated systematic review of follow-up studies. (poster)
38. Scherer R. Participants in the online course “Handsearching: Identifying and Classifying Controlled Trial Reports”. (poster)
39. Ssemanda E, Ugarte-Gil C, Li T, Dickersin K. Interventions for age-related macular degeneration: what is the quality of the evidence? (poster)
40. Ssemanda E, Ugarte-Gil C, Li T, Dickersin K. Systematic reviews and meta-analyses in eyes and vision: first steps in identifying gaps in ophthalmology research. (accepted, but not presented)

42. Fusco N, Saldanha IJ, Gresham G, Li T. Lack of originality in non-Cochrane systematic reviews. (poster)
43. Gresham G, Matsumura S, Li T. Faster may not be better: data abstraction for systematic reviews. (poster)
44. Lindsley K, Virgili G, Bacherini D, Dickersin K, Li T. Keeping up with the evidence: prioritizing, updating, and refining the scope of Cochrane systematic reviews for the treatment of age-related macular degeneration. (poster)
45. Saldanha IJ, Li T, Heyward J, Dickersin K. Are Cochrane review protocols available and protocol amendments documented? A study of two review groups’ reviews on HIV/AIDS and four common eye conditions. (poster)
47. Wang X, Hui X, Lindsley K, Li T, Yu T, Wormald R, Dickersin K. Priority setting project for open-angle glaucoma and angle-closure glaucoma: where we are now? (poster)

2015: Vienna, Austria. October 3-7, 2015.
Law A, Lindsley K, Rouse B, Wormald R, Dickersin K, Li T. Over 56,000 participants’ data ‘wasted’: an example from randomized controlled trials of medical interventions for open-angle glaucoma. (poster)


Saldanha I, Scherer R, Dickersin K. Agreement in results data between conference abstracts and full reports of randomized controlled trials: should we depend on conference abstracts? (rapid oral)

**2016: Seoul, South Korea. October 23-27, 2016.**

Datar R, Lindsley K, Clearfield E, Dickersin K. Cochrane systematic review training for Cochrane Eyes and Vision authors. (poster)


Le J, Datar R, Fitton N, Hesson D, Jampel H, Lindsley K, Li T. Disseminating Cochrane findings to consumers through online, animated video summaries. (short oral)


Scherer RW, Meerpohl JJ, Pfeifer N, Schmucker C, Schwarzger G, von Elm E. Fitting a square peg into a round hole: Adapting Cochrane methods to conduct a methods review. (short oral)

**2017: Global Evidence Summit, Cape Town, South Africa. September 13-16, 2017.**

Le J, Stewart G, Dickersin K, Li T. Social media strategy for disseminating systematic review evidence. (poster)


Lindsley K, Clearfield E, Money S, Saldanha I, Chuck R. Outcome choice and potential loss of valuable information - an example from a Cochrane Eyes and Vision systematic review. (long oral)

**2018: Edinburgh, United Kingdom. September 16-18, 2018.**

Le J, Qureshi R, Rosman L, Scherer R, Li T. All that glitters is not gold: predatory journals may be open access, but not openly accessible. (poster)

**2019: Santiago, Chile. October 22-25, 2019. (Cancelled due to civil unrest)**

E JY, Saldanha IJ, Canner J, Schmid CH, Le JT, Li T. Does level of experience matter when abstracting data for systematic reviews? (oral)

Saldanha IJ, Hughes K, Kirkham J, Li T, de Alva Oliveira R, Williamson R. Core outcome sets and Cochrane reviews – Cochrane can and should do more. (oral)


3.7 Other posters and oral presentations

**2002: Seminar for Brown University School of Medicine, Department of Community Health, Providence, Ri, April 3.**

1. Brodney S. The Cochrane Collaboration: What does it have to offer? (oral)

**2002: Association for Research in Vision and Ophthalmology, Fort Lauderdale, Fl, May 5-10.**

3. Brodney S. Cochrane Eyes and Vision Group (CEVG) and plans to increase the US contribution to CEVG. (oral)


5. Dickersin K. Minimizing Bias in Systematic Reviews. (invited presentation)


8. Dickersin K. Proposed collaboration between vision journals and Cochrane Eyes and Vision Group. (invited presentation)

2003: McKesson Health Solutions, Newton, Ma, April 8.
9. Brodney S. The Cochrane Collaboration: What it is and how its work can be useful to you. (invited presentation)

2004: Rhode Island Department of Health, Ri, November 22.
10. Brodney S. Using The Cochrane Library to address public health questions. (oral)

2005: Retina Journal Club, Rhode Island Hospital, Providence, Ri, January 13 and Brown Medical School, Providence, Ri, January 27.
11. Folse S. Critical appraisal of a Cochrane systematic review and randomized trial. (oral)

2005: Center for Gerontology and Health Care Research, Brown University, Providence, Ri, January 18.
12. Brodney S. The Cochrane Collaboration: What is it? How can its work be useful to you? (oral)

13. Wieland S, Dickersin K. Insufficient Reporting and Indexing of Exposures Limit MEDLINE Searches for Observational Studies. (poster)

16. Von Elm E, Scherer R. Do clinical trials get published after presentation at biomedical meetings? A systematic review of follow-up studies. (oral)

17. Dickersin K. Developing evidence-based guidelines in vision care: Can the promise become the practice? (oral)


22. Scherer R. Evidence-based glaucoma management. (oral)

25. Virgili G, Wormald R, Dickersin K. Special Interest Group: Anti-VEGF agents, antioxidants, photodynamic therapy, and laser photocoagulation to treat age-related macular degeneration (AMD): What is the evidence from systematic reviews? (oral)

2007: Society for Clinical Trials, Montreal, Québec, May 20-23.

27. Ervin A. Handsearching key vision journal and conference proceedings. (oral)

29. Sieving PC, Scherer RW. Clinical Trials Reported at ARVO: An Analysis of Full Publication. ARVO e-abstract 632.

2008: Society for Clinical Trials, St. Louis, Mo, May 18.
31. Scherer RW, Ervin A, Dickersin K. Where are authors registering clinical trials? (oral)

32. Dickersin K. Overview of the Cochrane Collaboration. (oral)

33. Incorporating systematic reviews into practice guidelines. (oral)

34. Scherer RW, Ervin A, Taylor J, Dickersin K. Is protocol information recorded in clinicaltrials.gov useful for systematic reviewers relying on conference abstracts? (oral)
35. Rodriguez-Barraquer I, Swenor B, Scherer R, Dickersin K. Commercial relationships, funding, and full publication of randomized controlled trials initially reported in conference abstracts. (oral)

36. Dickersin K. Methods of randomization. (oral)

37. Vedula S. Blood pressure control for diabetic retinopathy. (poster)

2011: Wilmer Research Meeting, Baltimore, Md, April 15.
38. Scherer R, Hawkins B, Ervin A, Dickersin K. Over 17,000 eye trials identified by the Cochrane Eyes and Vision Group: The contribution of handsearching. (poster)

2011: National Medical Association Medical Section, Washington, DC.
39. Ervin, AM. Introduction to critical appraisal. (invited presentation)


2012: Wilmer Research Meeting, Baltimore, Md, April.
42. Yu T, Li T, Friedman D, Dickersin K, Puhan M. Setting priorities for comparative effectiveness research on management of primary angle closure: A survey of Asia-Pacific clinicians. (poster)
43. Li T, Hawkins B, Dickersin K. Perpetuation of incorrect meta-analysis methods? Analysis of systematic reviews cited by systematic reviews. (poster)
44. Lindsley K, Ng S, Hat ef E, Akpek E. Interventions for chronic blepharitis: a systematic review. (poster)

45. Li T. Systematic reviews, meta-analysis, and the Cochrane Collaboration. (invited presentation)

2012: Summer Invitational Research Institute, American Optometric Association and the American Academy of Optometry, Columbus, Oh, July 10.
46. Dickersin K. Selecting the appropriate study design. (invited presentation)
47. Dickersin K. Developing a Cochrane systematic review. (invited presentation)

2013: Medical Library Association Annual Meeting, Boston, Ma, May 3-8.

2013: Peer Review Congress, Chicago, Il, September 8-10.
49. Yu T, Li T, Hawkins B, Dickersin K. Reporting of crossover trials on medical interventions for glaucoma. (oral)
50. Scherer RW, Ugarte-Gil C. Author’s reasons for unpublished research presented at biomedical conferences: a systematic review. (oral)

51. Li T. The US Cochrane Center: Evidence to action.

52. Gresham G, Matsumura S, Li T. Evaluating the efficiency and efficacy of data abstraction for systematic reviews using systematic review data repository. (poster)
53. Shi Q, Li T. Impact of publication bias on network meta-analysis: a network meta-analysis of primary open angle glaucoma or ocular hypertension drugs using publicly available data from FDA clinical reviews. (oral)
54. Rouse B, Li T. Would network meta-analysis have changed clinical practice guideline recommendations? A case study on first-line medical therapies for primary open-angle glaucoma. (poster)

**2014: EnRich Webinar, virtual, October.**
55. Li T. Systematic reviews and meta-analysis: standard methods and open questions. (invited presentation)

**2014: World Ophthalmology Congress, Tokyo, Japan, April.**
56. Li T. Network meta-analysis of glaucoma medical treatment trials. (invited presentation)

57. Li T. Key concepts in evidence-based medicine. (invited presentation)

**2015: Research Waste / EQUATOR Conference, Edinburgh, UK, September 28-30.**
58. Dickersin K, Saldanha I, Le J, Law A, Scherer R, Li T. Use of a well-known surrogate outcome instead of a patient-important outcome can be viewed as research waste: Examination of an ad hoc sample of clinical trials and systematic reviews. (oral)
59. Li T, Rouse B, Shi Q, Dickersin K. Working from all angles. (top scoring oral)
60. Scherer RW, Saldanha IJ, Parlett L, Dickersin K. Do trial registers close the gap in finding RCT results reported in conference abstracts? (poster)

**2015: 1st Conference of Chinese Evidence-based Medicine and Clinical Research in Ophthalmology, Wenzhou, China, October 9-11.**
61. Li T. How do we know what we know? Introduction to systematic reviews. (invited presentation)
62. Li T. Introduction to network meta-analysis: why should we care? (invited presentation)
63. Lindsley K. Evidence-based treatment for age-related macular degeneration. (invited presentation)

**2016: Grand rounds, Roski Eye Institute, University of South California. Los Angeles, Ca. June.**
64. Li T. Landmark trials and systematic reviews – Is one study enough? (invited presentation)

**2016: Grand rounds, Department of Preventative Medicine, University of South California. Los Angeles, Ca. June.**
65. Li T. Untangling the evidence and enhancing guidelines through network meta-analysis. (invited presentation)

**2016: Association of Vision Science Librarians Annual Meeting, Anaheim, Ca, November 10.**
66. Le J. Introduction to systematic reviews and meta-analysis for optometry and vision science. (oral)

**2018: Epidemiology Research Institute, University of the West Indies, Kingston, Jamaica, April.**
67. Access to multiple reports of clinical trials: problems or solutions? (oral)

**2018: International Symposium on Sjogren’s Syndrome, Washington, DC, USA, April 18-21**
68. Saldanha I, Dickersin K, Petris R, Akpek E. Identifying outcomes important to patients with Sjögren’s Syndrome. (oral)

**2018: Society for Clinical Trials, Portland, OR, May 20-23.**
69. Wen J, Bicket A, Dickersin K, Li T. Adverse events in 103 randomized trials on 1stline glaucoma eye drops. (poster)

**2018: American Academy of Optometry Meeting, San Antonio, Tx November 7**
71. Le J. The impact of predatory publishing within the evidence synthesis community. (oral)
2018: 7th Core Outcome Measures for Effectiveness Trials (COMET) Meeting, Amsterdam, Netherlands, November 15-16.
72. Saldanha I, Petris R, Han G, Dickersin K, Akpek E. Patient-important outcomes for dry eye: Bridging a huge gap in patient and researcher priorities. (poster)
73. Saldanha IJ, Le JT, Li T. Considerations for core outcome set (COS) development in a field relatively naive to COSs.

2018: Grand rounds, Department of Ophthalmology, University of Colorado School of Medicine, Denver, Co. April.
74. Li T. Generating and disseminating trust-worthy evidence in eyes and vision. (invited presentation)

75. Li T. Access to multiple reports of clinical trials: problems or solutions? (invited presentation)

76. Qureshi R, Lê J, Rosman L, Twose C, Scherer R, Li T. Reliable and unreliable systematic reviews in retina/vitreous conditions. (poster)
77. Li T, Downie L, Michelessi M, Lois N, Watson S. Excellence in sight: enhancing the methodological rigor of clinical research to inform eye care practice and future research – Special Interest Group (SIG). (oral)

2019: Health Journalism Annual Conference, Baltimore, Md, May 2-5.
78. Li T. Translating systematic reviews’ health evidence for news stories. (invited presentation)

79. Li T, Qureshi R, Berlin J, Rosner G. Synthesizing adverse events data: Challenges and approaches. (oral)

80. Li T. A failed attempt to conduct an individual patient data network meta-analysis. (oral)
81. Li T. Panel discussion: data interoperability and platform usability. Sharing clinical trial data: challenges and away forward. (invited presentation)

2019: Straus Health Sciences Library Meeting University of Colorado Anschutz Medical Campus, Denver, Co. December.
82. Li T. An overview of Cochrane Eyes and Vision. (invited presentation)

2019: Faculty meeting, Department of Ophthalmology, School of Medicine, University of Colorado Anschutz Medical Campus, Denver, Co. December.
83. Li T. Cochrane Eyes and Vision. (invited presentation)

2019: Residents meeting, Department of Ophthalmology, School of Medicine, University of Colorado Anschutz Medical Campus, Denver, Co. December.
84. Li T. Cochrane Eyes and Vision. (invited presentation)

85. Li T. Evidently Cochrane. (invited presentation)

86. Li T. Planning a Cochrane review to compare multiple interventions – the role of network meta-analysis. (invited presentation)

2020: Society for Clinical Trials, Baltimore, Md, May 17-20. (Cancelled due to COVID-19 pandemic)
87. Qureshi R, Loudon K, Chan AW, Collin J, Treweek S, Li T. Reading between the lines – SPIRIT items commonly left unspecified in trial protocols. (oral)

2020: International Society for Pharmacoeconomics and Outcomes Research, Orlando, Fl, May 16-20. (Cancelled due to COVID-19 pandemic)

88. E JY, Ramulu PY, Fapohunda K, Li T, Scherer RW. How often are abstracts presented at vision conferences developed into full length publications: a systematic review? (poster)


89. Mihailovic A, E JY, West SK, David S, Friedman DS, Gitlin LN, Li T, Schrack J, Ramulu PY. Characterizing the impact of fear of falling on accelerometer-defined physical activity and future falls in older adults with glaucoma. (oral)

90. E JY, Schrack JA, Mihailovic A, Wanigatunga AA, West SK, Friedman DS, Gitlin LN, Li T, Ramulu PY. Patterns of daily physical activity across the spectrum of visual field damage in glaucoma patients. (oral)


91. Li T. Evaluating harms of interventions – let’s start at the very beginning. (invited presentation)

2020: 24th Annual Ophthalmology Symposium, University of Colorado Anschutz Medical Campus, virtual. September.

92. Li T. Minimally Invasive Glaucoma Devices – patient preference, patient reported outcomes, and effectiveness. (invited presentation)


3.8 Media mentions

2018:

2019:


4. A patch or eye drops are similarly effective for the treatment of “lazy eye” in children. NIHR Alerts. https://evidence.nihr.ac.uk/alert/a-patch-or-eye-drops-are-similarly-effective-for-the-treatment-of-lazy-eye-in-children; accessed on December 30, 2020

2020:

## 4 Education and outreach

### 4.1 Classroom and online instruction

<table>
<thead>
<tr>
<th>Dates</th>
<th>Title</th>
<th>Location</th>
<th>Developers/teachers</th>
<th>Duration</th>
<th>Number of participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>1995-2019</td>
<td>Systematic Reviews &amp; Meta-analysis Course - JHSPH</td>
<td>Baltimore, MD</td>
<td>Kay Dickersin &amp; Tianjing Li</td>
<td>48 hours in class</td>
<td>~50 students/year</td>
</tr>
<tr>
<td>2013-present</td>
<td>Summer course: Systematic Reviews &amp; Meta-analysis Course - JHSPH</td>
<td>Baltimore, MD</td>
<td>Tianjing Li, Kay Dickersin, Ian Saldanha</td>
<td>20 hours</td>
<td>262</td>
</tr>
<tr>
<td>2015-present</td>
<td>Coursera: Systematic Reviews &amp; Meta-analysis Course – JHSPH</td>
<td><a href="https://www.coursera.org/learn/systematic-review">https://www.coursera.org/learn/systematic-review</a></td>
<td>Tianjing Li &amp; Kay Dickersin</td>
<td>13 hours</td>
<td>88,223</td>
</tr>
<tr>
<td>2011-present</td>
<td>Understanding Evidence-based Healthcare: A Foundation for Action - Course for Physicians</td>
<td><a href="https://courseplus.jhu.edu/core/index.cfm/go/course.home/cid/1740/">https://courseplus.jhu.edu/core/index.cfm/go/course.home/cid/1740/</a></td>
<td>Musa Mayer, Steven Goodman, Kay Dickersin</td>
<td>6 hours</td>
<td>839¹</td>
</tr>
<tr>
<td>2012-present</td>
<td>Spotlight Session on FDA: a supplemental module from Understanding Evidence-Based Healthcare</td>
<td><a href="https://www.youtube.com/playlist?list=PLoNq5zvuX8j0y4KEQe91FTaiPNXosz04">https://www.youtube.com/playlist?list=PLoNq5zvuX8j0y4KEQe91FTaiPNXosz04</a></td>
<td>Musa Mayer &amp; Kay Dickersin</td>
<td>1 hour</td>
<td>44²</td>
</tr>
<tr>
<td>2011-present</td>
<td>Translating Critical Appraisal of a Manuscript into Meaningful Peer Review</td>
<td><a href="https://courseplus.jhu.edu/core/index.cfm/go/course.home/cid/1738/">https://courseplus.jhu.edu/core/index.cfm/go/course.home/cid/1738/</a></td>
<td>Kay Dickersin &amp; Fiona Godlee, Tom Liesegang, Anne Coleman, David Friedman, Marie Diener-West, Karla Zadnik, Don Minckler, Ann-Margret Ervin, Richard Wormald, Milo Puhan, Joanne Katz</td>
<td>11 hours</td>
<td>2,206</td>
</tr>
</tbody>
</table>
Handsearching:
Identifying and Classifying
Controlled Trial Reports

https://courseplus.jhu.edu/course/index.cfm/go/course.home/cid/1737/

Robert Scherer
7 hours 640

1 Number of participants until 2017.
2 These videos were previously hosted on Cochrane United States webpages; however, they transitioned to YouTube in 2018. Therefore, number of views reflects the period from 2018 to current day.

The Cochrane YouTube Channel with presentations from Colloquium meetings can be found at: https://www.youtube.com/user/CochraneCollab?feature=csp-in-feed

4.2 Cochrane Colloquium workshops

1. Owens N, Heatherington J, Allen C. Things you are too busy to look for today, to make your life easier tomorrow.
2. Scherer R. Train the trainers: techniques for training systematic reviewers.

3. Folse SB, O’Connor D. Train the trainer: techniques for training systematic reviewers.


5. Scherer R, Ervin A. Handsearching online journals – Do we need new rules?

8. Scherer R. Train the trainers: techniques for training systematic reviewers.

10. Scherer R, Mitchell R. How to handsearch paper and electronic journals and conference proceedings to identify articles eligible for the Cochrane Central Register of Controlled Trials.

13. Scherer R. Train the trainers: techniques for training systematic reviewers.

15. Dickersin K. Developing a good presentation about your consumer organization and its contributions to evidence-based healthcare (EBHC).

17. Li T, Becker L, Schmid C. Using network meta-analysis methods to compare multiple interventions.

**2012: Auckland, New Zealand. September 30-October 3, 2012.**
19. Dickersin K, Fitton N. How to ask an answerable question for healthcare and health research.
20. Personalizing research priority setting exercises: developing a research priority setting exercise to achieve the objectives of a Cochrane entity.

**2013: Quebec City, Canada. September 19-23, 2013.**
22. Li T (workshop collaborator (did not attend)). Planning and conducting a Priority Setting Exercise for a Cochrane entity.
23. Li T, Hadar N. Systematic Review Data Repository (SRDR): Beyond old school data abstraction.
25. Li T. Comparing multiple treatments 1 – intervention review or overview.

**2014: Hyderabad, India. October 21-25, 2014.**
27. Li T (workshop collaborator (did not attend)), Becker L. Comparing multiple treatments 1 – intervention review or overview.
29. Saldanha IJ, Wormald R, Cullen N, Adams C, Dickersin K. Should Cochrane limit the number of outcomes in a systematic review?

**2015: Vienna, Austria. October 1-7, 2015.**

**2016: Seoul, South Korea. October 23-27, 2016.**
32. Li T, Chaimani A. Comparing multiple interventions workshop 1: introduction to indirect comparison and network meta-analysis.
33. Lindsley K, Virgili G. Becoming a systematic review editor or peer reviewer for journals.

**2017: Global Evidence Summit, Cape Town, South Africa. September 13-16, 2017.**
34. Lindsley K, Le J, Li T. Becoming a systematic review editor or peer reviewer for journals.

**2018: Edinburgh, United Kingdom. September 16-18, 2018.**

**2019: Santiago, Chile. October 22-25, 2019. (Cancelled due to civil unrest)**

4.3 CEV/US Cochrane Center workshops

**2003: CEVG-US Cochrane Center Workshop, Brown University, Providence, Ri, October 17.**
1. Developing a protocol for a systematic review workshop (20 participants).
2. How to conduct a systematic review (25 participants).

3. How to conduct a systematic review (24 participants).

4. Completing a Cochrane systematic review (25 participants).

5. Completing a Cochrane systematic review (22 participants).

6. Completing a Cochrane systematic review (14 participants).

2006: CEVG-US Cochrane Center Workshop, Centers for Disease Control and Prevention, Atlanta, Ga, May 10-12.
7. Completing a Cochrane systematic review (25 participants).

8. Completing a Cochrane systematic review (23 participants).

9. Completing a Cochrane systematic review (22 participants).

10. Completing a Cochrane systematic review (29 participants).

11. Completing a Cochrane systematic review (23 participants).

12. Completing a Cochrane systematic review (30 participants).

13. Completing a Cochrane systematic review (21 participants).

14. Completing a Cochrane systematic review (24 participants).

15. Workshop on developing a systematic review (26 participants).

16. Workshop on developing a systematic review (26 participants).

17. Workshop on developing a systematic review (24 participants).

18. Health systems training workshop: health technology assessment and systematic reviews (34 participants).

19. Workshop on developing a systematic review (24 participants).
20. Workshop on developing a Cochrane systematic review (18 participants).

21. Workshop on developing a Cochrane systematic review (27 participants).

22. Workshop on developing a Cochrane systematic review (18 participants).

23. Workshop on developing a Cochrane systematic review (21 participants).

24. Workshop on developing a Cochrane systematic review (23 participants).

25. Workshop on developing a Cochrane systematic review (24 participants).

26. Workshop on developing a Cochrane systematic review (21 participants).

27. Workshop on developing a Cochrane systematic review (4 participants).

28. Workshop on developing a Cochrane systematic review (26 participants).

2018: CEV Workshop, Cochrane Caribbean, Kingston, Jamaica, April.
29. Workshop on conducting a Cochrane systematic review (17 participants).

30. 2-day Workshop on conducting a Cochrane systematic review (38 participants).

2020: CEV Workshop, Columbus, Oh, March 19-20. (Cancelled due to COVID-19 pandemic)
31. 2-day Workshop on conducting a Cochrane systematic review.

4.4 Peer review workshops

1. Translating critical appraisal of a manuscript into meaningful peer review (32 participants).

2. Translating critical appraisal of a manuscript into meaningful peer review (21 participants).

2005: Providence, Ri, January 22.
3. Translating critical appraisal of a manuscript into meaningful peer review (25 participants).

4. Translating critical appraisal of a manuscript into meaningful peer review.


4.5 Evidence-based Ophthalmology and Optometry workshops
1. Evidence-based ophthalmology: a workshop on finding, synthesizing, and applying clinical evidence (30 participants).

2003: American Academy of Optometry, Dallas, Tx, December 5.
2. Evidence-based optometry: a workshop on finding, synthesizing, and applying clinical evidence (over 100 participants).

3. Finding and using the best evidence for healthcare practice (34 participants).


5. Evidence-based ophthalmology: a workshop on finding, synthesizing, and applying clinical evidence.

7. Applying Cochrane systematic review methodology to improve evidence-based clinical practice and practice guidelines


10. Dickersin K. Using systematic reviews to inform practice.


12. Pediatric Eye Disease Investigator Group evidence-based healthcare workshop (147 participants).


14. Evidence-based healthcare (26 participants).

2011: Blue Cross Blue Shield Medical Directors Webinar.
15. Evidence-based Healthcare Resources of the Cochrane Collaboration (15 participants).


2012: Howard University, Washington, DC.
2015: Center for Tobacco Products, FDA, Silver Spring, Md, November 16.
18. Dickersin K. Evidence evaluation and synthesis for decision-making workshop.

4.6 Workshops for eyes and vision librarians

2003: Association of Vision Science Librarians, Dallas, Tx, December 5.

2. Critical appraisal of the healthcare literature.


4.7 Other workshops

2006: Cochrane Behavioral Medicine, New York, Ny, February 16-17.
1. Cochrane systematic review workshop for the Cochrane Behavioral Medicine Field (11 participants).

2008: Society for Clinical Trials, St. Louis, Mo, May 18.

3. Network meta-analysis methods meeting and workshop.

2011: North American Diagnostic Test Accuracy Reviews Training Workshop (hosted), Baltimore, Md, June 14-16.
4. Rob Scholten and John Deeks, guest conveners.

5. Li T. Introduction to systematic reviews and meta-analysis.

6. Workshop on risk of bias coordinated by Dr. Tianjing Li.

7. Li T. Cochrane Risk of Bias Tool 2 for crossover trials.

5 Funding

5.1 Current grants

2018 – 2022 Comparative Effectiveness Research & Cochrane Eyes and Vision (CEV) National Eye Institute, UG1EY020522 $4,994,295 Principal Investigator: Tianjing Li

5.2 Awarded grants

National Eye Institute, U01EY020522  
$7,145,058  
Principal Investigator: Kay Dickersin

2009 – 2012  Challenge Grant: Comparative Effectiveness & Medical Interventions for Primary Open Angle Glaucoma  
National Eye Institute, RC1EY020140  
$901,280  
Principal Investigator: Kay Dickersin

Cochrane Collaboration  
$69,587  
Principal Investigator: Kay Dickersin

National Eye Institute, N01EY21003-9-0-1  
$5,381,920  
Principal Investigator: Kay Dickersin