

Table 1. American Academy for Ophthalmology's (AAO) Preferred Practice Patterns (PPP) Cataract Management Section (see Appendix A) Mapped to Reliable Systematic Reviews published through March 15, 2016

AAO PPP Cataract Management Section	Relevant and Reliable Systematic Review Mapped to this Section			Relevance of Review to other sections of AAO PPP-2011
	First Author, Year of Publication	Citation	Title	
Nonsurgical Management				
	Hodge, 2005	Evid Rep Technol Assess (Summ). 2005 Jul;(117):1-6.	Effects of omega-3 fatty acids on eye health.	Cataract Prevention
	Mathew Milan, 2012	Cochrane Database Syst Rev. 2012 Jun 13;6:CD004567.	Antioxidant vitamin supplementation for preventing and slowing the progression of age-related cataract.	Cataract Prevention
	Zhao, 2014	Nutrients. 2014 Feb 28;6(3):931-49.	The effect of multivitamin/mineral supplements on age-related cataracts: a systematic review and meta-analysis.	Cataract Prevention; Cataract Management-Surgical Management-Outcomes
Surgical Management				
Indications for Surgery				
No reliable systematic review				
Contraindications to Surgery				
No reliable systematic review				
Preoperative Medical Evaluation				
No reliable systematic review				
Indications for Surgery				
No reliable systematic review				
Contraindications to Surgery				
No reliable systematic review				
Preoperative Medical Evaluation				
	Keay, 2012	Cochrane Database Syst Rev. 2012 Mar 14;3:CD007293.	Routine preoperative medical testing for cataract surgery.	Cataract Socioeconomic Considerations- Cost Considerations; Cataract Socioeconomic Considerations- Cost-effectiveness of Cataract Surgery; Cataract Management-Surgical Management-Complications of Cataract Surgery
Biometry and Intraocular Lens Power Calculation				
No reliable systematic review				
Anesthesia				
	Friedman, 2001	Ophthalmology. 2001 Mar;108(3):519-29.	Synthesis of the literature on the effectiveness of regional anesthesia for cataract surgery.	Cataract Management-Surgical Management-Complications of Cataract Surgery; Cataract Management-Surgical Management-Outcomes

Table 1. American Academy for Ophthalmology's (AAO) Preferred Practice Patterns (PPP) Cataract Management Section (see Appendix A) Mapped to Reliable Systematic Reviews published through March 15, 2016

AAO PPP Cataract Management Section	Relevant and Reliable Systematic Review Mapped to this Section			Relevance of Review to other sections of AAO PPP-2011
	First Author, Year of Publication	Citation	Title	
	Davison, 2007	Cochrane Database Syst Rev. 2007 Jul 18;(3):CD006291.	Sub-Tenon's anaesthesia versus topical anaesthesia for cataract surgery.	Cataract Management-Surgical Management-Complications of Cataract Surgery; Cataract Management-Surgical Management-Outcomes
	Ezra, 2007	Cochrane Database Syst Rev. 2007 Jul 18;(3):CD005276.	Topical anaesthesia alone versus topical anaesthesia with intracameral lidocaine for phacoemulsification.	Cataract Management-Surgical Management-Complications of Cataract Surgery; Cataract Management-Surgical Management-Outcomes
	Ezra, 2008	Ophthalmology. 2008 Mar;115(3):455-87.	Supplementary intracameral lidocaine for phacoemulsification under topical anesthesia. A meta-analysis of randomized controlled trials.	Cataract Management-Surgical Management-Complications of Cataract Surgery; Cataract Management-Surgical Management-Outcomes
	Alhassan, 2008	Cochrane Database Syst Rev. 2008 Jul 16;(3):CD004083.	Peribulbar versus retrobulbar anaesthesia for cataract surgery.	Cataract Management-Surgical Management-Complications of Cataract Surgery; Cataract Management-Surgical Management-Outcomes
	Alhassan, 2015	Cochrane Database Syst Rev. 2015 Jul 2;7:CD004083.	Peribulbar versus retrobulbar anaesthesia for cataract surgery.	Cataract Management-Surgical Management-Complications of Cataract Surgery; Cataract Management-Surgical Management-Outcomes
	Guay, 2015	Cochrane Database Syst Rev. 2015 Aug 27;8:CD006291.	Sub-Tenon's anaesthesia versus topical anaesthesia for cataract surgery.	
	Lesin, 2015	Surv Ophthalmol. 2015 May-Jun;60(3):196-203.	Factors associated with postoperative pain and analgesic consumption in ophthalmic surgery: a systematic review	Cataract Management-Surgical Management-Postoperative Management
Infection Prophylaxis				
No reliable systematic review				
Toxic Anterior Segment Syndrome				
No reliable systematic review				
Cataract Surgery Checklist				
No reliable systematic review				
Surgical Techniques				
	Riaz, 2006	Cochrane Database Syst Rev. 2006 Oct 18;(4):CD001323.	Surgical interventions for age-related cataract	Cataract Management-Surgical Management-Outcomes; Cataract Management-Surgical Management-Complications of Cataract Surgery

Table 1. American Academy for Ophthalmology’s (AAO) Preferred Practice Patterns (PPP) Cataract Management Section (see Appendix A) Mapped to Reliable Systematic Reviews published through March 15, 2016

AAO PPP Cataract Management Section	Relevant and Reliable Systematic Review Mapped to this Section			Relevance of Review to other sections of AAO PPP-2011
	First Author, Year of Publication	Citation	Title	
	Ang, 2012	Cochrane Database Syst Rev. 2012 Apr 18;4:CD008811.	Manual small incision cataract surgery (MSICS) with posterior chamber intraocular lens versus extracapsular cataract extraction (ECCE) with posterior chamber intraocular lens for age-related cataract.	Cataract Management-Surgical Management-Outcomes; Cataract Socioeconomic Considerations-Cost-effectiveness of Cataract Surgery
	Yu, 2012	J Cataract Refract Surg. 2012 May;38(5):894-901.	Biaxial microincision cataract surgery versus conventional coaxial cataract surgery: meta-analysis of randomized controlled trials.	Cataract management-surgical management-outcomes; cataract management-surgical management-complications of cataract surgery
	Riaz, 2013	Cochrane Database Syst Rev. 2013 Oct 10;10:CD008813.	Manual small incision cataract surgery (MSICS) with posterior chamber intraocular lens versus phacoemulsification with posterior chamber intraocular lens for age-related cataract.	Cataract Management-Surgical Management-Outcomes; Cataract Management-Surgical Management-Cost Considerations
	Quinones, 2013	Washington (DC): Department of Veterans Affairs; 2013 Dec. VA Evidence-based Synthesis Program Reports.	Benefits and harms of femtosecond laser assisted cataract surgery: a systematic review	Cataract Management-Surgical Management-Outcomes; Cataract Management-Surgical Management-Complications of Cataract Surgery
	de Silva, 2014	Cochrane Database Syst Rev. 2014 Jan 29;1:CD008812.	Phacoemulsification with posterior chamber intraocular lens versus extracapsular cataract extraction (ECCE) with posterior chamber intraocular lens for age-related cataract.	Cataract Management-Surgical Management-Outcomes; Cataract Management-Surgical Management-Complications of Cataract Surgery
	Ang, 2014	Cochrane Database Syst Rev. 2014 Nov 18;11:CD008811.	Manual small incision cataract surgery (MSICS) with posterior chamber intraocular lens versus extracapsular cataract extraction (ECCE) with posterior chamber intraocular lens for age-related cataract	Cataract Management-Surgical Management-Outcomes; Cataract Socioeconomic Considerations-Cost-effectiveness of Cataract Surgery
Intraocular Lenses				
	Li, 2008	Ophthalmology. 2008 May;115(5):830-8.	Effect of AcrySof versus silicone or polymethyl methacrylate intraocular lens on posterior capsule opacification.	Cataract Management-Surgical Management-Complications of Cataract Surgery; Cataract Management-Surgical Management-Posterior Capsular Opacification; Cataract Management-Surgical Management-Optical and Refractive Considerations; Cataract Management-Surgical Management-Outcomes
	Medical Advisory Secretariat, Ontario Ministry of Health, 2009	Ont Health Technol Assess Ser. 2009;9(15):1-62.	Intraocular lenses for the treatment of age-related cataracts: an evidence-based analysis.	Cataract Management-Surgical Management-Outcomes; Cataract Management-Surgical Management-Optical and Refractive Considerations; Cataract Management-Surgical Management-Complications of Cataract Surgery; Cataract Socioeconomic Considerations-Cost-effectiveness of Cataract Surgery

Table 1. American Academy for Ophthalmology’s (AAO) Preferred Practice Patterns (PPP) Cataract Management Section (see Appendix A) Mapped to Reliable Systematic Reviews published through March 15, 2016

AAO PPP Cataract Management Section	Relevant and Reliable Systematic Review Mapped to this Section			Relevance of Review to other sections of AAO PPP-2011
	First Author, Year of Publication	Citation	Title	
	Takakura, 2010	J Cataract Refract Surg. 2010 Mar;36(3):380-8.	Functional assessment of accommodating intraocular lenses versus monofocal intraocular lenses in cataract surgery: metaanalysis.	Cataract Management-Surgical Management-Outcomes; Cataract Management-Surgical Management-Optical and Refractive Considerations; Cataract Management-Surgical Management-Complications of Cataract Surgery; Cataract Management-Surgical Management-Posterior Capsular Opacification
	Calladine, 2012	Cochrane Database Syst Rev. 2012 Sep 12;9:CD003169.	Multifocal versus monofocal intraocular lenses after cataract extraction.	Cataract Management-Surgical Management-Outcomes; Cataract Management-Surgical Management-Optical and Refractive Considerations; Cataract Management-Surgical Management-Complications of Cataract Surgery; Cataract Visual Function and Quality of Life
	Zhu, 2012	PLoS One. 2012;7(3):e33013.	Comparison of blue light-filtering IOLs and UV light-filtering IOLs for cataract surgery: a meta-analysis.	Cataract Management-Surgical Management-Surgical Techniques; Cataract Management-Surgical Management-Outcomes; Cataract Management-Surgical Management-Optical and Refractive Considerations
	Schuster, 2013	Ophthalmology. 2013 Nov;120(11):2166-75.	The impact on vision of aspheric to spherical monofocal intraocular lenses in cataract surgery: a systematic review with meta-analysis.	Cataract Management-Surgical Management-Outcomes; Cataract Management-Surgical Management-Optical and Refractive Considerations
	Leung, 2014	Cochrane Database Syst Rev. 2014 Mar 4;3:CD007284.	Types of intraocular lenses for cataract surgery in eyes with uveitis	Cataract Management-Surgical Management-Ocular Comorbidities; Cataract Management-Surgical Management-Outcomes
	Ong Hon, 2014	Cochrane Database Syst Rev. 2014 May 1;5:CD009667.	Accommodative intraocular lens versus standard monofocal intraocular lens implantation in cataract surgery.	Cataract Management-Surgical Management-Outcomes; Cataract Management-Surgical Management-Optical and Refractive Considerations
	Xu, 2014	J Refract Surg. 2014 Sep;30(9):634-44.	Refractive versus diffractive multifocal intraocular lenses in cataract surgery: a meta-analysis of randomized controlled trials	Cataract Management-Surgical Management-Optical and Refractive Considerations
Optical and Refractive Considerations				
No reliable systematic review				
Outcomes				
	Conner-Spady, 2007	Can J Ophthalmol. 2007 Aug;42(4):543-51.	A systematic literature review of the evidence on benchmarks for cataract surgery waiting time.	Cataract Visual Function and Quality of Life

Table 1. American Academy for Ophthalmology’s (AAO) Preferred Practice Patterns (PPP) Cataract Management Section (see Appendix A) Mapped to Reliable Systematic Reviews published through March 15, 2016

AAO PPP Cataract Management Section	Relevant and Reliable Systematic Review Mapped to this Section			Relevance of Review to other sections of AAO PPP-2011
	First Author, Year of Publication	Citation	Title	
	Fedorowicz, 2011	Cochrane Database Syst Rev. 2011 Jul 6;(7):CD004242.	Day care versus in-patient surgery for age-related cataract.	Cataract Provider and Setting; Cataract Management-Cost-effectiveness of Cataract Surgery; Cataract Management-Complications of Cataract Surgery; Cataract Management-Surgical Management-Postoperative Management
	Song, 2014	PLoS One. 2014 Nov 4;9(11):e112054.	Age-related cataract, cataract surgery and subsequent mortality: a systematic review and meta-analysis	Cataract Natural History
	Lawrence, 2015	Cochrane Database Syst Rev. 2015 Nov 2;11:CD004242.	Day care versus in-patient surgery for age-related cataract.	Cataract Provider and Setting; Cataract Management-Cost-effectiveness of Cataract Surgery; Cataract Management-Complications of Cataract Surgery; Cataract Management-Surgical Management-Postoperative Management
Complications for Cataract Surgery				
	Rossetti, 1998	Ophthalmology. 1998 Mar;105(3):397-405.	Medical prophylaxis and treatment of cystoid macular edema after cataract surgery. The results of a meta-analysis.	Cataract Management-Surgical Management-Outcomes
	Hodge, 2007	CMAJ. 2007 Apr 24;176(9):1285-90.	The consequences of waiting for cataract surgery: a systematic review.	Cataract Management-Surgical Management-Outcomes
	Buehl, 2008	J Cataract Refract Surg. 2008 Nov;34(11):1976-85.	Effect of intraocular lens design on posterior capsule opacification.	Cataract Management-Surgical Management-Posterior Capsular Opacification; Cataract Management-Surgical Management-Intraocular Lenses; Cataract Management-Surgical Management-Outcomes
	Findl, 2010	Cochrane Database Syst Rev. 2010 Feb 17;(2):CD003738.	Interventions for preventing posterior capsule opacification.	Cataract Management-Surgical Management-Surgical Techniques; Cataract Management-Surgical Management-Intraocular Lenses; Cataract Management-Surgical Management-Posterior Capsular Opacification
	Yilmaz, 2012	Eye (Lond). 2012 Feb;26(2):252-8.	Ketorolac therapy for the prevention of acute pseudophakic cystoid macular edema: a systematic review.	Cataract Management-Surgical Management-Outcomes;
	Sivaprasad, 2012	Cochrane Database Syst Rev. 2012 Feb 15;2:CD004239.	Non-steroidal anti-inflammatory agents for treating cystoid macular oedema following cataract surgery.	Cataract Management-Surgical Management-Outcomes; Cataract Management-Surgical Management-Postoperative Management
	Gower, 2013	Cochrane Database Syst Rev. 2013 Jul 15;7:CD006364.	Perioperative antibiotics for prevention of acute endophthalmitis after cataract surgery.	Cataract Management-Surgical Management-Infection Prophylaxis; Cataract Management-Surgical Management-Outcomes

Table 1. American Academy for Ophthalmology’s (AAO) Preferred Practice Patterns (PPP) Cataract Management Section (see Appendix A) Mapped to Reliable Systematic Reviews published through March 15, 2016

AAO PPP Cataract Management Section	Relevant and Reliable Systematic Review Mapped to this Section			Relevance of Review to other sections of AAO PPP-2011
	First Author, Year of Publication	Citation	Title	
	Linertova, 2014	Clin Ophthalmol. 2014 Aug 14;8:1515-22.	Intracameral cefuroxime and moxifloxacin used as endophthalmitis prophylaxis after cataract surgery: systematic review of effectiveness and cost-effectiveness	Cataract Management-Surgical Management-Outcomes; Cost Consideration; Cataract Management-Surgical Management-Postoperative Management; Cataract Management-Surgical Management-Infection Prophylaxis
	Wielders, 2015	Am J Ophthalmol. 2015 Nov;160(5):968-981.e33.	Prevention of Cystoid Macular Edema After Cataract Surgery in Nondiabetic and Diabetic Patients: A Systematic Review and Meta-Analysis	Cataract Management-Surgical Management-Postoperative Management
	Mousavi, 2015	Adv Pharmacol Sci. 2015;2015:507151.	Anti-Inflammatory Effects of Heparin and Its Derivatives: A Systematic Review	
Complications for Intraocular Lenses				
No reliable systematic review				
Ocular comorbidities				
	Allen, 2011	Clinical Evidence 2011;02:708	Clin Evid (Online): Cataract	Cataract Management-Surgical Management-Combined Surgery and Special Circumstances
	Zhang, 2015	Cochrane Database Syst Rev. 2015 Jul 14;7:CD008671.	Combined surgery versus cataract surgery alone for eyes with cataract and glaucoma	Cataract Management-Surgical Management-Outcomes
Systemic comorbidities				
No reliable systematic review				
Combined Surgery and Special Circumstances				
	Friedman, 2002	Ophthalmology. 2002 Oct;109(10):1902-13.	Surgical strategies for coexisting glaucoma and cataract: an evidence-based update.	Cataract Management-Surgical Management-Surgical technique; Cataract Management-Surgical Management-Outcomes
	Jampel, 2002	Ophthalmology. 2002 Dec;109(12):2215-24; quiz 2225, 2231.	Effect of technique on intraocular pressure after combined cataract and glaucoma surgery: An evidence-based review.	Cataract Management-Surgical Management-Surgical technique; Cataract Management-Surgical Management-Outcomes
	Do Diana, 2008	Cochrane Database of Systematic Reviews 2008, Issue 3. Art. No.: CD006366.	Surgery for post-vitrectomy cataract	Cataract Management-Surgical Management-Surgical technique; Cataract Management-Surgical Management-Outcomes
	Casparis, 2012	Cochrane Database Syst Rev. 2012 Jun 13;6:CD006757.	Surgery for cataracts in people with age-related macular degeneration.	Cataract Management-Surgical Management-Outcomes; Cataract Management-Surgical Management-Ocular Comorbidities
	Thomas, 2014	Cochrane Database Syst Rev. 2014 Jul 28	Antimetabolites in cataract surgery to prevent failure of a previous trabeculectomy	Cataract Management-Surgical Management-Outcomes

Second Eye Surgery

No reliable systematic review

Table 1. American Academy for Ophthalmology’s (AAO) Preferred Practice Patterns (PPP) Cataract Management Section (see Appendix A) Mapped to Reliable Systematic Reviews published through March 15, 2016

AAO PPP Cataract Management Section	Relevant and Reliable Systematic Review Mapped to this Section			Relevance of Review to other sections of AAO PPP-2011
	First Author, Year of Publication	Citation	Title	
Immediate Sequential (Same Day) Bilateral Cataract Surgery				
	Long, 2006	Cochrane Database Syst Rev. 2006 Jul 19;(3):CD003171.	Surgical interventions for bilateral congenital cataract.	Cataract Management-Surgical Management-Second-Eye Surgery; Cataract Management-Surgical Management-Surgical Techniques; Cataract Management-Surgical Management-Outcomes
Discharge from Surgical Facility				
No reliable systematic review				
Postoperative Management				
No reliable systematic review				
Postoperative Follow-up				
No reliable systematic review				
Posterior Capsule Opacification				
No reliable systematic review				