

Retinal Specialist

1. MCG Criteria Used

Clinical Criteria: MCG Care Guidelines, 30th Edition

- Vitrectomy (MCG ORG: S-1190 ISC, 30th Edition)
- Retinal Detachment Repair (MCG ORG: S-1030 ISC, 30th Edition)

Applicable CPT / HCPCS Codes:

CPT / HCPCS Code	Description
67036	Vitrectomy, mechanical, pars plana approach
67039-67043	Vitrectomy with focal endolaser photocoagulation, epiretinal membrane removal, or internal limiting membrane peeling
67101, 67105	Repair of retinal detachment by cryotherapy or photocoagulation, and by scleral buckling or vitrectomy
67107, 67108	Repair of retinal detachment by scleral buckling and by vitrectomy with associated procedures
67110	Repair of retinal detachment by injection of pneumatic retinopexy
67113	Repair of complex retinal detachment with vitrectomy and membrane peeling

2. Statement of Rationale

Akido Labs uses the criteria in MCG Care Guidelines (30th Edition) to supplement the general Medicare criteria regarding vitreoretinal surgery, including pars plana vitrectomy and repair of retinal detachment, where Medicare coverage criteria are not fully established or require additional clinical specificity. MCG criteria are used to ensure consistency in reviewing the conditions to be met for coverage of vitreoretinal procedures and to determine when such services are medically necessary, including the appropriate level of care. Vitreoretinal surgery in the Medicare Advantage population addresses sight-threatening conditions where timing is often critical to visual outcome, while the procedures themselves are predominantly ambulatory and carry risks including endophthalmitis, elevated intraocular pressure, cataract progression, and recurrent detachment. Absent consistent, evidence-based criteria, there is material risk of both inappropriate denial of medically necessary sight-preserving surgery and inappropriate approval of inpatient admission where ambulatory surgery is the standard.

Potential Clinical Harms:

Retinal Detachment Repair: Inappropriate denial or delay of retinal detachment repair, particularly for a macula-on detachment threatening the central vision, could allow progression to macular involvement and permanent, irreversible vision loss, since the visual prognosis depends heavily on prompt repair before the macula detaches. Inappropriate approval of inpatient admission for a routine detachment repair that is standardly performed as ambulatory surgery exposes the patient to unnecessary hospitalization.

Vitrectomy: Inappropriate denial of vitrectomy for conditions such as nonclearing vitreous hemorrhage, tractional retinal detachment, macular hole, or endophthalmitis could permit progressive and potentially irreversible vision loss. Inappropriate approval of vitrectomy for indications that do not meet criteria exposes the patient to the procedural risks of intraocular surgery without offsetting benefit.

Clinical Benefits:

Retinal Detachment Repair: MCG criteria define the indications for retinal detachment repair and prioritize timely intervention, recognizing the urgency of macula-threatening detachment, and establish ambulatory surgery as the expected setting with defined criteria for when inpatient care is needed. By supporting prompt repair when criteria are met, these criteria directly mitigate the harm of permanent vision loss from delayed treatment identified above, while the ambulatory-setting default prevents unnecessary hospitalization.

Vitrectomy: MCG criteria reserve vitrectomy for defined vitreoretinal indications including nonclearing vitreous hemorrhage, tractional retinal detachment, macular hole, epiretinal membrane, and endophthalmitis, ensuring the procedure is directed at conditions where surgical benefit is established. This evidence-based selection directly counters both the harm of progressive vision loss in patients who meet criteria and the harm of unnecessary intraocular surgery in those who do not. The clinical benefits of using MCG Care Guidelines are highly likely to outweigh any clinical harms, including delayed or decreased access to services, because the criteria incorporate indication thresholds drawn from ophthalmology specialty society guidance and are unlikely to lead to inappropriate denials.

3. Explanation of Supplementation

Basis for Use: Original Medicare clinical criteria are not fully established and require supplementation to ensure consistent medical necessity and level-of-care determinations for vitreoretinal surgery. While Medicare statutes establish the general 'reasonable and necessary' standard, they do not specify the clinical indications and thresholds (e.g., which vitreoretinal conditions warrant vitrectomy, or the urgency and setting criteria for retinal detachment repair) required to distinguish indicated from nonindicated procedures and to determine the appropriate level of care.

Applicable Medicare References: Social Security Act Section 1862(a)(1): 'Reasonable and necessary' standard Medicare Benefit Policy Manual, Chapter 6: Hospital Services Covered Under Part B (CMS IOM Publication 100-02) Medicare Benefit Policy Manual, Chapter 15: Covered Medical and Other Health Services (CMS IOM Publication 100-02) Medicare Program Integrity Manual, Chapter 6, Section 6.5 (CMS IOM Publication 100-08) Code of Federal Regulations: 42 CFR 416.65 (ambulatory surgical center covered services); 42 CFR 419.22; 42 CFR 422.101 Medicare Coverage Database: <https://www.cms.gov/medicare-coverage-database/search.aspx> For vitreoretinal procedures, no specific NCD or LCD fully establishes clinical indication thresholds; Original Medicare criteria are not fully established, requiring supplementation. Within the above statutes and regulations, MCG criteria assist in determining the appropriateness of vitrectomy based on defined vitreoretinal indications; the appropriateness and urgency of retinal detachment repair; and the appropriate level of care, recognizing that these procedures are predominantly ambulatory. Use of these criteria helps ensure vitreoretinal procedures are not incorrectly denied when medically appropriate, nor incorrectly approved when not reasonable and necessary, and may decrease inappropriate denials by creating a consistent set of evidence-based review criteria.

4. Summary of Clinical Evidence

Note: The following evidence summary is derived directly from MCG Care Guidelines, 30th Edition (guidelines S-895 and S-810). The reference lists below are drawn from those respective MCG guidelines.

Background

Vitreectomy (MCG ORG: S-1190 ISC) Vitrectomy is the surgical removal of the vitreous gel, most commonly by a pars plana approach, performed to treat a range of vitreoretinal conditions including nonclearing vitreous hemorrhage, tractional retinal detachment, macular hole, epiretinal membrane, retained lens material, and endophthalmitis. It is predominantly an ambulatory procedure; inpatient stay may be needed only when justified by specific clinical circumstances or comorbidities.

Retinal Detachment Repair (MCG ORG: S-1030 ISC) Retinal detachment repair restores apposition of the detached retina by methods including pneumatic retinopexy, scleral buckling, and vitrectomy, often combined with cryotherapy or laser photocoagulation. The urgency of repair depends on whether the macula is attached, since macula-on detachments threatening central vision warrant prompt intervention to preserve visual outcome. Repair is predominantly performed in an ambulatory setting.

Evidence Summary

Vitreectomy (MCG ORG: S-1190 ISC) This guideline (30th Edition) is supported by peer-reviewed articles and ophthalmology specialty society guidance establishing the indications for vitrectomy across vitreoretinal conditions and the predominantly ambulatory nature of the procedure.

Retinal Detachment Repair (MCG ORG: S-1030 ISC) This guideline (30th Edition) is supported by peer-reviewed articles and ophthalmology specialty society guidance, including preferred practice pattern guidance, establishing the indications and methods for retinal detachment repair and the relationship between timing of repair and visual prognosis.

Rationale (from MCG) Use of these MCG care guidelines helps the clinician identify patient-specific clinical factors that establish the medical necessity and appropriate setting of vitreoretinal surgery. The evidence-based clinical criteria ensure patients receive timely and appropriate sight-preserving care, reduce unnecessary risks and hospitalization, and provide a standard that can reduce disparities in care. These guidelines supplement but do not replace, modify, or supersede existing Medicare regulations or applicable NCDs or LCDs.

Related CMS Coverage Guidance (as cited in MCG 30th Edition): Code of Federal Regulations (CFR): 42 CFR 416.65; 42 CFR 419.22; 42 CFR 422.101; CMS IOM Publication 100-02, Medicare Benefit Policy Manual, Chapters 6 and 15; CMS IOM Publication 100-08, Medicare Program Integrity Manual, Chapter 6, Section 6.5; Medicare Coverage Database: <https://www.cms.gov/medicare-coverage-database/search.aspx>

References with Citation Summary -- Vitrectomy (MCG ORG: S-1190 ISC, 30th Edition)

1. Engelbert M, Chang S. Vitrectomy. In: Yanoff M, Duker JS, editors. Ophthalmology. 6th ed. Elsevier; 2023:438-442. [Context Link 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28]
2. Kim SJ, Bailey ST, Lim JI, Vemulakonda GA, Ying GS, Flaxel CJ. Posterior Vitreous Detachment, Retinal Breaks, and Lattice Degeneration. Preferred Practice Pattern [Internet] American Academy of Ophthalmology. 2025 Feb Accessed at: <https://www.aao.org/>. [accessed 2025 Sep 04] DOI: 10.1016/j.ophtha.2024.12.023. [Context Link 1, 2] View abstract...
3. Sultan ZN, Agorogiannis EI, Iannetta D, Steel D, Sandinha T. Rhegmatogenous retinal detachment: a review of current practice in diagnosis and management. BMJ Open Ophthalmology 2020;5(1):e000474. DOI: 10.1136/bmjophth-2020-000474. [Context Link 1] View abstract...

4. Zhou Y, DiSclafani M, Jeang L, Shah AA. Open globe injuries: review of evaluation, management, and surgical pearls. *Clinical Ophthalmology (Auckland, N.Z.)* 2022;16:2545-2559. DOI: 10.2147/OPTH.S372011. [Context Link 1, 2, 3, 4, 5] View abstract...
5. Fung AT, Galvin J, Tran T. Epiretinal membrane: A review. *Clinical & Experimental Ophthalmology* 2021;49(3):289-308. DOI: 10.1111/ceo.13914. [Context Link 1, 2] View abstract...
<https://careweb.careguidelines.com/ed30/isc/0378200a.htm> 5/8 6/29/26, 2:15 PM ISC - Vitrectomy
6. Vithalani NM, Basu S. Therapeutic vitrectomy in the management of uveitis: opportunities and challenges. *Seminars in Ophthalmology* 2022;37(78):820-829. DOI: 10.1080/08820538.2022.2078166. [Context Link > 1, 2] View abstract... Inpatient & Surgical Care > Optimal Recovery Guidelines Ophthalmology > Vitrectomy (S-1190)
7. Hong EH, Shin YU, Cho H. Retinopathy of prematurity: a review of epidemiology and current treatment strategies. *Clinical and Experimental Pediatrics* 2021;Online. DOI: 10.3345/cep.2021.00773. [Context Link 1, 2] View abstract...
8. Meier P, Wiedemann P. Surgery for pediatric vitreoretinal disorders. In: Sadda SR, et al., editors. *Ryan's Retina*. 7th ed. Elsevier; 2023:2317-2340. [Context Link 1, 2, 3]
9. Iovino C, et al. Pars plana vitrectomy in inherited retinal diseases: a comprehensive review of the literature. *Life (Basel, Switzerland)* 2023;13(6):DOI: 10.3390/life13061241. [Context Link 1, 2, 3, 4] View abstract...
10. Ehlers JP, et al. Intravitreal pharmacotherapies for diabetic macular edema: a report by the American Academy of Ophthalmology. *Ophthalmology* 2022;129(1):88-99. DOI: 10.1016/j.ophtha.2021.07.009. [Context Link 1] View abstract...
11. Mansour SE, Browning DJ, Wong K, Flynn HW, Bhavsar AR. The evolving treatment of diabetic retinopathy. *Clinical Ophthalmology (Auckland, N.Z.)* 2020;14:653-678. DOI: 10.2147/OPTH.S236637. [Context Link 1, 2] View abstract...
12. Brunner S, Binder S. Surgery for proliferative diabetic retinopathy. In: Sadda SR, et al., editors. *Ryan's Retina*. 7th ed. Elsevier; 2023:22532278.e1. [Context Link 1, 2]
13. Patel S, Kim SJ, Sternberg P. Surgery for ocular trauma: principles and techniques of treatment. In: Sadda SR, et al., editors. *Ryan's Retina*. 7th ed. Elsevier; 2023:2226-2252. [Context Link 1]
14. Helmy YAH, et al. Pediatric and adolescent traumatic macular hole: a systematic review. *American Journal of Ophthalmology* 2024;265:165-175. DOI: 10.1016/j.ajo.2024.05.001. [Context Link 1] View abstract...
15. Lee BJ, Jun JH, Afshari NA. Challenges and outcomes of cataract surgery after vitrectomy. *Current Opinion in Ophthalmology* 2025;36(1):70-75. DOI: 10.1097/ICU.0000000000001096. [Context Link 1] View abstract...
16. Cao K, et al. Efficacy and safety of vitrectomy for congenital cataract surgery: a systematic review and meta-analysis based on randomized and controlled trials. *Acta Ophthalmologica* 2019;97(3):233-239. DOI: 10.1111/aos.13974. [Context Link 1] View abstract...
17. Watane A, et al. Scleral-sutured intraocular lens dislocations secondary to eyelet fractures. *American Journal of Ophthalmology* 2021;221:273278. DOI: 10.1016/j.ajo.2020.07.049. [Context Link 1] View abstract...
18. Sella S, Rubowitz A, Sheen-Ophir S, Ferencz JR, Assia EI, Ton Y. Pars plana vitrectomy for posteriorly dislocated intraocular lenses: risk factors and surgical approach. *International Ophthalmology* 2021;41(1):221-229. DOI: 10.1007/s10792-020-01570-7. [Context Link 1] View abstract...
19. Ryan EH. Current treatment strategies for symptomatic vitreous opacities. *Current Opinion in Ophthalmology* 2021;32(3):198-202. DOI: 10.1097/ICU.0000000000000752. [Context Link 1] View abstract...
20. Dysager DD, Koren SF, Grauslund J, Wied J, Subhi Y. Efficacy and safety of pars plana vitrectomy for primary symptomatic floaters: a systematic review with meta-analyses. *Ophthalmology and Therapy* 2022;11(6):2225-2242. DOI: 10.1007/s40123-022-00578-9. [Context Link 1] View abstract...
21. Reichstein D, Karan K. Endoresection utilizing pars plana vitrectomy for benign and malignant intraocular tumors. *Current Opinion in Ophthalmology* 2019;30(3):151-158. DOI: 10.1097/ICU.0000000000000561. [Context Link 1] View abstract...
22. Rodger DC, Shildkrot Y, Elliott D. Infectious endophthalmitis. In: Yanoff M, Duker JS, editors. *Ophthalmology*. 6th ed. Elsevier; 2023:662-668. [Context Link 1]

23. Ramachandran A, Das T, Pathengay A, Pappuru RR, Dave VP. Surgical approach to endophthalmitis: an overview. *Eye (London, England)* 2024;38(13):2516-2521. DOI: 10.1038/s41433-024-03089-y. [Context Link 1] View abstract...
24. Mapelli C, et al. Acute retinal necrosis: clinical features, diagnostic pitfalls, treatment, and outcome of an insidious disease in children. case report and review of the literature. *Frontiers in Pediatrics* 2022;10:Online. DOI: 10.3389/fped.2022.854325. [Context Link 1] View abstract...
25. Saeed OB, Siatkowski RM, Coussa RG. Primary scleral buckling vs. vitrectomy for stage 4A retinopathy of prematurity: a systematic review and meta-analysis of surgical outcomes. *Eye (London, England)* 2025;DOI: 10.1038/s41433-024-03563-7. [Context Link 1] View abstract...
26. Sokol JT, et al. Macular hole closure with medical treatment. *Ophthalmology. Retina* 2021;5(7):711-713. DOI: 10.1016/j.oret.2020.11.018. [Context Link 1] View abstract...
27. Bonnar J, et al. Scleral buckle, vitrectomy, or combined surgery for inferior break retinal detachment: systematic review and meta-analysis. *Ophthalmology. Retina* 2023;7(10):837-847. DOI: 10.1016/j.oret.2023.05.006. [Context Link 1] View abstract...
28. Pecaku A, et al. Reattachment rate with pneumatic retinopexy versus pars plana vitrectomy for single break rhegmatogenous retinal detachment. *British Journal of Ophthalmology* 2024;109(1):113-118. DOI: 10.1136/bjo-2023-324005. [Context Link 1] View abstract...
29. Pandit S, Ho AC, Yonekawa Y. Recent advances in the management of proliferative diabetic retinopathy. *Current Opinion in Ophthalmology* 2023;34(3):232-236. DOI: 10.1097/ICU.0000000000000946. [Context Link 1, 2] View abstract...
30. Laser Surgery Policy Statement. Preferred Practice Pattern [Internet] American Academy of Ophthalmology. 2025 Feb Accessed at: <http://www.aao.org/guidelines/>. [accessed 2025 Sep 04] [Context Link 1, 2]
31. Aleman AI, Kiyakoza L, Sridhar J, Sengillo J. Management of vitreous floaters: a review. *Current Opinion in Ophthalmology* 2024;35(5):365-368. DOI: 10.1097/ICU.0000000000001075. [Context Link 1] View abstract...
32. Derveniz P, Derveniz N, Smith JM, Steel DH. Anti-vascular endothelial growth factors in combination with vitrectomy for complications of proliferative diabetic retinopathy. *Cochrane Database of Systematic Reviews* 2023, Issue 5. Art. No.: CD008214. DOI: 10.1002/14651858.CD008214.pub4. [Context Link 1] View abstract...
33. Smith JR, et al. Treatment of noninfectious uveitic macular edema with periocular and intraocular corticosteroid therapies: a report by the American Academy of Ophthalmology. *Ophthalmology* 2024;131(9):1107-1120. DOI: 10.1016/j.ophtha.2024.02.019. [Context Link 1] View abstract... <https://careweb.careguidelines.com/ed30/isc/0378200a.htm> 6/8 6/29/26, 2:15 PM ISC - Vitrectomy
34. Intravitreal Injections - 2025. Preferred Practice Pattern [Internet] American Academy of Ophthalmology. 2025 Accessed at: <http://www.aao.org/guidelines/>. [accessed 2025 Apr Guidelines 07] [Context Link 1] Inpatient & Surgical Care > Optimal Recovery > Ophthalmology > Vitrectomy (S-1190)
35. Durand ML, Barshak MB, Sobrin L. Eye infections. *New England Journal of Medicine* 2023;389(25):2363-2375. DOI: 10.1056/NEJMra2216081. [Context Link 1] View abstract...
36. Shao EH, Yates WB, Ho IV, Chang AA, Simunovic MP. Endophthalmitis: Changes in Presentation, Management and the Role of Early Vitrectomy. *Ophthalmology and Therapy* 2021;10(4):877-890. DOI: 10.1007/s40123-021-00406-6. [Context Link 1] View abstract...
37. Far PM, et al. Tap and inject versus pars plana vitrectomy for postprocedural endophthalmitis. a meta-analysis. *Retina* 2021;41(10):2009-2016. DOI: 10.1097/IAE.0000000000003203. [Context Link 1] View abstract...
38. Proprietary health insurance data sources (2023-2024); and Medicare 5% Standard Analytical File (2022-2023). [Context Link 1, 2, 3]
39. Premier PINC AI™ Healthcare Database (PHD), 01/01/2023-12/31/2024. Premier, Inc. [Context Link 1]
40. Rush RB, Velazquez JC, Rosales CR, Rush SW. Gas tamponade for the prevention of postoperative vitreous hemorrhaging after diabetic vitrectomy: a randomized clinical trial. *American Journal of Ophthalmology* 2022;242:173-180. DOI: 10.1016/j.ajo.2022.06.015. [Context Link 1] View abstract...
41. Hudson T. The role of social determinates of health in discharge practices. *Nursing Clinics of North America* 2021;56(3):369-378. DOI: 10.1016/j.cnur.2021.04.004. [Context Link 1] View abstract...

42. Chovanec KA, Arsene C, Beck A, Zachrich K, Liedel B, Wolff-Elliott J. Association of discharge disposition with outcomes. *Population Health Management* 2021;24(1):116-121. DOI: 10.1089/pop.2019.0176. [Context Link 1] View abstract...
43. Admitting, transfer, and discharge. In: Perry AG, Potter PA, Ostendorf WR, Laplante N, editors. *Clinical Nursing Skills and Techniques*. 11th ed. Elsevier; 2025:40-51. [Context Link 1]
44. Centers for Medicare and Medicaid Services. "Condition of participation: Discharge planning." 42 CFR Pt. 482.43 Washington, DC 2025 Jan 01 [accessed 2025 Jul 22] Accessed at: <https://www.ecfr.gov/>. [Context Link 1, 2, 3]
45. Assessment and management of patients with eye and vision disorders. In: Hinkle JL, Cheever KH, Overbaugh KJ, editors. *Brunner & Suddarth's Textbook of Medical-Surgical Nursing*. 15th ed. Wolters Kluwer; 2022:1896-1934. [Context Link 1, 2]
46. Harding MM. Assessment and management: visual problems. In: Harding MM, Kwong J, Hagler D, Reinisch C, editors. *Lewis's Medical-Surgical Nursing: Assessment and Management of Clinical Problems*. 12th ed. St. Louis, MO: Mosby; 2023:407-435. [Context Link 1, 2, 3, 4, 5]
47. Adverse drug reactions and medication errors. In: Burchum JR, Rosenthal LD, editors. *Lehne's Pharmacology for Nursing Care*. 12th ed. Elsevier; 2025:64-75. [Context Link 1, 2]
48. Targeted care planning and care transitions. In: Perez R, editor. *CMSA's Integrated Case Management*. 2nd ed. Springer Publishing Company LLC; 2023:178-189. [Context Link 1, 2]
49. Communication and collaboration. In: Perry AG, Potter PA, Ostendorf WR, Laplante N, editors. *Clinical Nursing Skills and Techniques*. 11th ed. Elsevier; 2025:17-39. [Context Link 1, 2]
50. Elements of Excellence in Transitions of Care (TOC). TOC Checklist [Internet] National Transitions of Care Coalition. 2006 Accessed at: <https://www.ntocc.org>. [accessed 2025 Sep 16] [Context Link 1]
51. Medical-surgical nursing. In: Hinkle JL, Cheever KH, Overbaugh KJ, editors. *Brunner & Suddarth's Textbook of Medical-Surgical Nursing*. 15th ed. Wolters Kluwer; 2022:33-55. [Context Link 1]
52. Transition of care. In: Gillingham DC, editor. *Foundations of Case Management*. Blue Bayou Press; 2021:137-144. [Context Link 1]
53. Becker C, et al. Interventions to improve communication at hospital discharge and rates of readmission: a systematic review and meta-analysis. *JAMA Network Open* 2021;4(8):e2119346. DOI: 10.1001/jamanetworkopen.2021.19346. [Context Link 1] View abstract...
54. The nursing process in drug therapy and patient safety. In: Tucker RG, editor. *Karch's Focus on Nursing Pharmacology*. 9th ed. Wolters Kluwer; 2023:47-57. [Context Link 1]
55. Safe medication preparation. In: Perry AG, Potter PA, Ostendorf WR, Laplante N, editors. *Clinical Nursing Skills and Techniques*. 11th ed. Elsevier; 2025:586-607. [Context Link 1]
56. The case manager's roles, functions, and activities. In: Gillingham DC, editor. *Foundations of Case Management*. Blue Bayou Press; 2021:9-14. [Context Link 1]
57. Anderson TS, Ayanian JZ, Herzig SJ, Souza J, Landon BE. Gaps in primary care follow-up after hospital discharge among Medicare beneficiaries. *Journal of the American Geriatrics Society* 2025;DOI: 10.1111/jgs.19496. [Context Link 1] View abstract...
58. Harding MM. Substance use disorders in acute care. In: Harding MM, Kwong J, Hagler D, Reinisch C, editors. *Lewis's Medical-Surgical Nursing: Assessment and Management of Clinical Problems*. 12th ed. St. Louis, MO: Mosby; 2023:162-178. [Context Link 1]
59. Management of patients with dermatologic disorders. In: Hinkle JL, Cheever KH, Overbaugh KJ, editors. *Brunner & Suddarth's Textbook of Medical-Surgical Nursing*. 15th ed. Wolters Kluwer; 2022:1815-1864. [Context Link 1]
60. Wound care and irrigation. In: Perry AG, Potter PA, Ostendorf WR, Laplante N, editors. *Clinical Nursing Skills and Techniques*. 11th ed. Elsevier; 2025:1110-1140. [Context Link 1]
61. Centers for Medicare and Medicaid Services. "Admissions." 42 CFR 412.3 Washington, DC 2025 Jul [accessed 2025 Jul 22] Accessed at: <https://www.ecfr.gov/current/title-42/chapter-IV/subchapter-B/part-412>. [Context Link 1]
62. Centers for Medicare and Medicaid Services. "Hospital services excluded from payment under the hospital outpatient prospective payment system." 42 CFR 419.22 Washington, DC 2023 Jul [accessed 2025 Jul 22] Accessed at: <https://www.ecfr.gov/>. [Context Link 1]
63. Centers for Medicare and Medicaid Services. "Requirements relating to basic benefits." 42 CFR 422.101 Washington, DC 2025 Jun 03 [accessed 2025 Jul 23] Accessed at: <https://www.ecfr.gov/>.

[Context Link 1] <https://careweb.careguidelines.com/ed30/isc/0378200a.htm> 7/8 6/29/26, 2:15 PM
ISC - Vitrectomy

64. Centers for Medicare and Medicaid Services. Medicare Benefit Policy Manual. Chapter 1 - Inpatient Hospital Services Covered Under Part A Rev. 10892& [Internet] Centers Medicaid Guidelines Services. 2021 Accessed at: <https://www.cms.gov/manuals/>. [accessed 2025 Sep 09] [Inpatient Surgical Carefor> Medicare Optimaland Recovery > Aug Ophthalmology >Vitrectomy (S-1190) Context Link 1]
65. Centers for Medicare and Medicaid Services. Medicare Benefit Policy Manual. Chapter 6 - Hospital Services Covered Under Part B Rev. 12425 [Internet] Centers for Medicare and Medicaid Services. 2023 Dec Accessed at: <http://www.cms.gov/manuals/>. [accessed 2025 Sep 09] [Context Link 1]
66. Centers for Medicare and Medicaid Services. Medicare Benefit Policy Manual. Chapter 15 - Covered Medical and Other Health Services Rev. 13108 [Internet] Centers for Medicare and Medicaid Services. 2025 Apr 11 Accessed at: <https://www.cms.gov/manuals/>. [accessed 2025 Sep 09] [Context Link 1]
67. Centers for Medicare and Medicaid Services. Medicare Program Integrity Manual. Chapter 6, Section 6.5 - Medical Review of Inpatient Hospital Claims for Part A Payment Rev. 10365 [Internet] Centers for Medicare and Medicaid Services. 2020 Oct 02 Accessed at: <https://www.cms.gov/medicare/regulations-guidance/manuals/internet-only-manuals-ioms>. [accessed 2025 Sep 09] [Context Link 1]
68. Medicare Coverage Database. [Internet] Centers for Medicare and Medicaid Services. Accessed at: <https://www.cms.gov/medicare-coveredatabase/search.aspx>? Updated 2025 [accessed 2025 Oct 23] [Context Link 1]

References with Citation Summary -- Retinal Detachment Repair (MCG ORG: S-1030 ISC, 30th Edition)

1. Kim SJ, Bailey ST, Lim JI, Vemulakonda GA, Ying GS, Flaxel CJ. Posterior Vitreous Detachment, Retinal Breaks, and Lattice Degeneration. Preferred Practice Pattern [Internet] American Academy of Ophthalmology. 2025 Feb Accessed at: <https://www.aao.org/>. [accessed 2025 Sep 04] DOI: 10.1016/j.ophtha.2024.12.023. [Context Link 1, 2, 3, 4] View abstract...
2. Todorich B, Faia LJ, Williams GA. Scleral buckling surgery. In: Yanoff M, Duker JS, editors. Ophthalmology. 6th ed. Elsevier; 2023:433-437. [Context Link 1, 2, 3, 4, 5, 6]
3. Honasoge A, Parikh VS, Rao RC, Shah GK. Rhegmatogenous retinal detachment. In: Yanoff M, Duker JS, editors. Ophthalmology. 6th ed. Elsevier; 2023:590-596. [Context Link 1, 2, 3, 4, 5]
4. Diaz JD, Albin TA. Serous detachments of the neural retina. In: Yanoff M, Duker JS, editors. Ophthalmology. 6th ed. Elsevier; 2023:597-603. [Context Link 1, 2, 3, 4]
5. Lee GD, Kitchens JW, Rubsamen PE. Posterior segment ocular trauma. In: Yanoff M, Duker JS, editors. Ophthalmology. 6th ed. Elsevier; 2023:614-619. [Context Link 1, 2]
6. Bonnar J, et al. Scleral buckle, vitrectomy, or combined surgery for inferior break retinal detachment: systematic review and meta-analysis. Ophthalmology. Retina 2023;7(10):837-847. DOI: 10.1016/j.oret.2023.05.006. [Context Link 1] View abstract...
7. Hillier RJ, et al. The pneumatic retinopexy versus vitrectomy for the management of primary rhegmatogenous retinal detachment outcomes randomized trial (PIVOT). Ophthalmology 2019;126(4):531-539. DOI: 10.1016/j.ophtha.2018.11.014. [Context Link 1] View abstract...
8. Proprietary health insurance data sources (2023-2024); and Medicare 5% Standard Analytical File (2022-2023). [Context Link 1, 2, 3]
9. Premier PINC AI™ Healthcare Database (PHD), 01/01/2023-12/31/2024. Premier, Inc. [Context Link 1]
10. Hudson T. The role of social determinates of health in discharge practices. Nursing Clinics of North America 2021;56(3):369-378. DOI: 10.1016/j.cnur.2021.04.004. [Context Link 1] View abstract...
11. Chovanec KA, Arsene C, Beck A, Zachrich K, Liedel B, Wolff-Elliott J. Association of discharge disposition with outcomes. Population Health Management 2021;24(1):116-121. DOI: 10.1089/pop.2019.0176. [Context Link 1] View abstract...
12. Admitting, transfer, and discharge. In: Perry AG, Potter PA, Ostendorf WR, Laplante N, editors. Clinical Nursing Skills and Techniques. 11th ed. Elsevier; 2025:40-51. [Context Link 1]

13. Centers for Medicare and Medicaid Services. "Condition of participation: Discharge planning." 42 CFR Pt. 482.43 Washington, DC 2025 Jan 01 [accessed 2025 Jul 22] Accessed at: <https://www.ecfr.gov/>. [Context Link 1, 2, 3]
14. Assessment and management of patients with eye and vision disorders. In: Hinkle JL, Cheever KH, Overbaugh KJ, editors. Brunner & Suddarth's Textbook of Medical-Surgical Nursing. 15th ed. Wolters Kluwer; 2022:1896-1934. [Context Link 1]
15. Adverse drug reactions and medication errors. In: Burchum JR, Rosenthal LD, editors. Lehne's Pharmacology for Nursing Care. 12th ed. Elsevier; 2025:64-75. [Context Link 1, 2]
16. Pain management. In: Hinkle JL, Cheever KH, Overbaugh KJ, editors. Brunner & Suddarth's Textbook of Medical-Surgical Nursing. 15th ed. Wolters Kluwer; 2022:196-223. [Context Link 1]
17. Goldberg JI, Rosa WE. Pain. In: Harding MM, Kwong J, Hagler D, Reinisch C, editors. Lewis's Medical-Surgical Nursing: Assessment and Management of Clinical Problems. 12th ed. St. Louis, MO: Mosby; 2023:119-145. [Context Link 1]
18. Targeted care planning and care transitions. In: Perez R, editor. CMSA's Integrated Case Management. 2nd ed. Springer Publishing Company LLC; 2023:178-189. [Context Link 1, 2]
19. Communication and collaboration. In: Perry AG, Potter PA, Ostendorf WR, Laplante N, editors. Clinical Nursing Skills and Techniques. 11th ed. Elsevier; 2025:17-39. [Context Link 1, 2]
20. Elements of Excellence in Transitions of Care (TOC). TOC Checklist [Internet] National Transitions of Care Coalition. 2006 Accessed at: <https://www.ntocc.org>. [accessed 2025 Sep 16] [Context Link 1]
21. Medical-surgical nursing. In: Hinkle JL, Cheever KH, Overbaugh KJ, editors. Brunner & Suddarth's Textbook of Medical-Surgical Nursing. 15th ed. Wolters Kluwer; 2022:33-55. [Context Link 1]
22. Transition of care. In: Gillingham DC, editor. Foundations of Case Management. Blue Bayou Press; 2021:137-144. [Context Link 1]
23. Becker C, et al. Interventions to improve communication at hospital discharge and rates of readmission: a systematic review and meta-analysis. JAMA Network Open 2021;4(8):e2119346. DOI: 10.1001/jamanetworkopen.2021.19346. [Context Link 1] View abstract...
24. The nursing process in drug therapy and patient safety. In: Tucker RG, editor. Karch's Focus on Nursing Pharmacology. 9th ed. Wolters Kluwer; 2023:47-57. [Context Link 1]
25. Safe medication preparation. In: Perry AG, Potter PA, Ostendorf WR, Laplante N, editors. Clinical Nursing Skills and Techniques. 11th ed. Elsevier; 2025:586-607. [Context Link 1]
26. The case manager's roles, functions, and activities. In: Gillingham DC, editor. Foundations of Case Management. Blue Bayou Press; 2021:9-14. [Context Link 1]
27. Anderson TS, Ayanian JZ, Herzig SJ, Souza J, Landon BE. Gaps in primary care follow-up after hospital discharge among Medicare beneficiaries. Journal of the American Geriatrics Society 2025;DOI: 10.1111/jgs.19496. [Context Link 1] View abstract...
<https://careweb.careguidelines.com/ed30/isc/0365010a.htm> 5/6 6/29/26, 2:15 PM ISC - Retinal Detachment Repair
28. Harding MM. Assessment and management: visual problems. In: Harding MM, Kwong J, Hagler D, Reinisch C, editors. Lewis's Medical-Surgical Nursing: and Management of Clinical Problems. 12th>ed. St. Louis, MO: Mosby; 2023:407-435. [Context Link 1] Inpatient & Assessment Surgical Care > Optimal Recovery Guidelines Ophthalmology >Retinal Detachment Repair (S-1030)
29. Harding MM. Substance use disorders in acute care. In: Harding MM, Kwong J, Hagler D, Reinisch C, editors. Lewis's Medical-Surgical Nursing: Assessment and Management of Clinical Problems. 12th ed. St. Louis, MO: Mosby; 2023:162-178. [Context Link 1]
30. Management of patients with dermatologic disorders. In: Hinkle JL, Cheever KH, Overbaugh KJ, editors. Brunner & Suddarth's Textbook of Medical-Surgical Nursing. 15th ed. Wolters Kluwer; 2022:1815-1864. [Context Link 1]
31. Wound care and irrigation. In: Perry AG, Potter PA, Ostendorf WR, Laplante N, editors. Clinical Nursing Skills and Techniques. 11th ed. Elsevier; 2025:1110-1140. [Context Link 1]
32. Centers for Medicare and Medicaid Services. "Admissions." 42 CFR 412.3 Washington, DC 2025 Jul [accessed 2025 Jul 22] Accessed at: <https://www.ecfr.gov/current/title-42/chapter-IV/subchapter-B/part-412>. [Context Link 1]
33. Centers for Medicare and Medicaid Services. "Hospital services excluded from payment under the hospital outpatient prospective payment system." 42 CFR 419.22 Washington, DC 2023 Jul [accessed 2025 Jul 22] Accessed at: <https://www.ecfr.gov/>. [Context Link 1]

34. Centers for Medicare and Medicaid Services. "Requirements relating to basic benefits." 42 CFR 422.101 Washington, DC 2025 Jun 03 [accessed 2025 Jul 23] Accessed at: <https://www.ecfr.gov/>. [Context Link 1]
35. Centers for Medicare and Medicaid Services. Medicare Benefit Policy Manual. Chapter 1 - Inpatient Hospital Services Covered Under Part A Rev. 10892 [Internet] Centers for Medicare and Medicaid Services. 2021 Aug Accessed at: <https://www.cms.gov/manuals/>. [accessed 2025 Sep 09] [Context Link 1]
36. Centers for Medicare and Medicaid Services. Medicare Benefit Policy Manual. Chapter 6 - Hospital Services Covered Under Part B Rev. 12425 [Internet] Centers for Medicare and Medicaid Services. 2023 Dec Accessed at: <http://www.cms.gov/manuals/>. [accessed 2025 Sep 09] [Context Link 1]
37. Centers for Medicare and Medicaid Services. Medicare Benefit Policy Manual. Chapter 15 - Covered Medical and Other Health Services Rev. 13108 [Internet] Centers for Medicare and Medicaid Services. 2025 Apr 11 Accessed at: <https://www.cms.gov/manuals/>. [accessed 2025 Sep 09] [Context Link 1]
38. Centers for Medicare and Medicaid Services. Medicare Program Integrity Manual. Chapter 6, Section 6.5 - Medical Review of Inpatient Hospital Claims for Part A Payment Rev. 10365 [Internet] Centers for Medicare and Medicaid Services. 2020 Oct 02 Accessed at: <https://www.cms.gov/medicare/regulations-guidance/manuals/internet-only-manuals-ioms>. [accessed 2025 Sep 09] [Context Link 1]
39. Medicare Coverage Database. [Internet] Centers for Medicare and Medicaid Services. Accessed at: <https://www.cms.gov/medicare-coveredatabase/search.aspx>? Updated 2025 [accessed 2025 Oct 23] [Context Link 1]

5. Public Accessibility

Transparency Tool URL: <https://akido.access.mcg.com/index>

Coverage Summaries URL: <https://www.myfamilymg.com/medical-necessity-supplementation-criteria/documents>

Navigation Instructions: To access these coverage summaries, navigate to the UM Criteria page, scroll to the bottom of the page, and click the Medical Necessity Supplementation Criteria link. All summaries are organized alphabetically by category.