



Ocular Sarcoidosis (CROJ) Web References

This self-guided learning module is based on an article and continuing education course from the Clinical Refractive Optometry (CRO) Journal's online learning platform (<https://www.CROJournal.com>).

Prior Reading:

Desai H, Shenouda-Awad N. The Inflammatory Dilemma: A Unique Case of Ocular Sarcoidosis and The Road to Diagnosis and Management. *CRO Journal*. Published online June 23, 2023. [doi:10.57204/001c.82038](https://doi.org/10.57204/001c.82038) <https://clinicaloptometry.scholasticahq.com/article/82038>

Reference Q1

Which laboratory test is the most useful for confirming a diagnosis of sarcoidosis?

Gundlach E, Hoffmann MM, Prasse A, Heinzelmann S, Ness T. Interleukin-2 receptor and angiotensin-converting enzyme as markers for ocular sarcoidosis. *PLoS ONE*. 2016;11(1):e0147258. [doi:10.1371/journal.pone.0147258](https://doi.org/10.1371/journal.pone.0147258)

Herbert CP, Rao NA, Mochizuki M, et al. International criteria for the diagnosis of ocular sarcoidosis: results of the first International Workshop on Ocular Sarcoidosis (IWOS). *Ocul Immunol Inflamm*. 2009;17(3):160-169. [doi:10.1080/09273940902818861](https://doi.org/10.1080/09273940902818861)

Rothova A. Ocular involvement in sarcoidosis. *Br J Ophthalmol*. 2000;84(1):110-116. [doi:10.1136/bjo.84.1.110](https://doi.org/10.1136/bjo.84.1.110)

Reference Q2

Rao DA, Dellaripa PF. Extrapulmonary manifestations of sarcoidosis. *Rheum Dis Clin North Am*. 2013;39(2):277-297. [doi:10.1016/j.rdc.2013.02.007](https://doi.org/10.1016/j.rdc.2013.02.007)

Reference Q3

When a patient has been diagnosed with neuro-sarcoidosis, the indicated first-line treatment is:

Ungprasert P, Matteson EL. Neurosarcoidosis. *Rheum Dis Clin North Am*. 2017;43(4):593-606. [doi:10.1016/j.rdc.2017.06.008](https://doi.org/10.1016/j.rdc.2017.06.008)

Reference Q4

Peak incidence of ocular sarcoidosis occurs at:



Rothova A. Ocular involvement in sarcoidosis. *Br J Ophthalmol*. 2000;84(1):110-116. [doi:10.1136/bjo.84.1.110](https://doi.org/10.1136/bjo.84.1.110)

Rybicki BA, Major M, Popovich J, Maliank MJ, Iannuzzi MC. Racial differences in sarcoidosis incidence: a 5-year study in a health maintenance organization. *Am J Epidemiol*. 1997;145(3):234-241. [doi:10.1093/oxfordjournals.aje.a009096](https://doi.org/10.1093/oxfordjournals.aje.a009096)

Reference Q5

The organ(s) most commonly affected in systemic sarcoidosis is (are) the:

Rao DA, Dellaripa PF. Extrapulmonary manifestations of sarcoidosis. *Rheum Dis Clin North Am*. 2013;39(2):277-297. [doi:10.1016/j.rdc.2013.02.007](https://doi.org/10.1016/j.rdc.2013.02.007)

Reference Q6

Which of the following is a chronic cause of visual impairment due to uveitis?

Demirci H, Christianson MD. Orbital and adnexal involvement in sarcoidosis: analysis of clinical features and systemic disease in 30 cases. *Am J Ophthalmol*. 2011;151(6):1074-1080.e1. [doi:10.1016/j.ajo.2010.12.011](https://doi.org/10.1016/j.ajo.2010.12.011)

Reference Q7

Which clinical sign of the conjunctiva is NOT an expected finding in ocular sarcoidosis?

Demirci H, Christianson MD. Orbital and adnexal involvement in sarcoidosis: analysis of clinical features and systemic disease in 30 cases. *Am J Ophthalmol*. 2011;151(6):1074-1080.e1. [doi:10.1016/j.ajo.2010.12.011](https://doi.org/10.1016/j.ajo.2010.12.011)

Reference Q8

Granulomas observed in sarcoidosis consist primarily of:

Rothova A. Ocular involvement in sarcoidosis. *Br J Ophthalmol*. 2000;84(1):110-116. [doi:10.1136/bjo.84.1.110](https://doi.org/10.1136/bjo.84.1.110)

Reference Q9

The most frequent ocular manifestation of sarcoidosis is:

Jamilloux Y, Kodjikian L, Broussolle C, Sève P. Sarcoidosis and uveitis. *Autoimmunity Reviews*. 2014;13(8):840-849. [doi:10.1016/j.autrev.2014.04.001](https://doi.org/10.1016/j.autrev.2014.04.001)



Reference Q10

Which of the following would be most attributed to an increased severity of keratoconjunctivitis sicca in ocular sarcoidosis?

Demirci H, Christianson MD. Orbital and adnexal involvement in sarcoidosis: analysis of clinical features and systemic disease in 30 cases. *Am J Ophthalmol*. 2011;151(6):1074-1080.e1. [doi:10.1016/j.ajo.2010.12.011](https://doi.org/10.1016/j.ajo.2010.12.011)

Reference Q11

Ocular involvement is the presenting symptom in approximately what percentage of cases of sarcoidosis?

Rothova A, Alberts C, Glasius E, Kijlstra A, Buitenhuis HJ, Breebaart AC. Risk factors for ocular sarcoidosis. *Doc Ophthalmol*. 1989;72(3-4):287-296. [doi:10.1007/bf00153496](https://doi.org/10.1007/bf00153496)

Reference Q12

Which of the following is characteristic of sarcoid-related uveitis?

Dana MR, Merayo-Llodes J, Schaumberg DA, Foster CS. Prognosticators for visual outcome in sarcoid uveitis. *Ophthalmology*. 1996;103(11):1846-1853. [doi:10.1016/s0161-6420\(96\)30417-x](https://doi.org/10.1016/s0161-6420(96)30417-x)

Reference Q13

In most cases, effective management of sarcoid-related uveitis is accomplished with:

Pasadhika S, Rosenbaum JT. Ocular sarcoidosis. *Clin Chest Med*. 2015;36(4):669-683. [doi:10.1016/j.ccm.2015.08.009](https://doi.org/10.1016/j.ccm.2015.08.009)

Reference Q14

A 2017 multicenter retrospective study investigating the sensitivity and specificity of clinical signs and laboratory tests for diagnosing ocular sarcoidosis found that the only investigative test that was sensitive by itself was:

Herbort CP, Rao NA, Mochizuki M, et al. International criteria for the diagnosis of ocular sarcoidosis: results of the first International Workshop on Ocular Sarcoidosis (IWOS). *Ocul Immunol Inflamm*. 2009;17(3):160-169. [doi:10.1080/09273940902818861](https://doi.org/10.1080/09273940902818861)



Acharya NR, Browne EN, Rao N, Mochizuki M. Distinguishing features of ocular sarcoidosis in an international cohort of uveitis patients. *Ophthalmology*. 2018;125(1):119-126. [doi:10.1016/j.ophtha.2017.07.006](https://doi.org/10.1016/j.ophtha.2017.07.006)

Reference Q15

Approximately what percentage of patients with sarcoidosis will have lung involvement?

Rao DA, Dellaripa PF. Extrapulmonary manifestations of sarcoidosis. *Rheum Dis Clin North Am*. 2013;39(2):277-297.

Rao DA, Dellaripa PF. Extrapulmonary manifestations of sarcoidosis. *Rheum Dis Clin North Am*. 2013;39(2):277-297. [doi:10.1016/j.rdc.2013.02.007](https://doi.org/10.1016/j.rdc.2013.02.007)