Table S1: PRISMA Checklist (2020).

Section and Topic	Item #	Checklist item	Location where item is reported
TITLE			
Title	1	Identify the report as a systematic review.	Pg 1
ABSTRACT			
Abstract	2	Made as per the Journal guidelines	Pg 1
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of existing knowledge.	Pg 2
Objectives	4	Provide an explicit statement of the objective(s) or question(s) the review addresses.	Pg 3
METHODS			
Eligibility criteria	5	Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses.	Supplementary Table 2
Information sources	6	Specify all databases, registers, websites, organisations, reference lists and other sources searched or consulted to identify studies. Specify the date when each source was last searched or consulted.	Pg 3
Search strategy	7	Present the full search strategies for all databases, registers and websites, including any filters and limits used.	Supplementary Table 3
Selection process	8	Specify the methods used to decide whether a study met the inclusion criteria of the review, including how many reviewers screened each record and each report retrieved, whether they worked independently, and if applicable, details of automation tools used in the process.	Pg 3&4
Data collection process	9	Specify the methods used to collect data from reports, including how many reviewers collected data from each report, whether they worked independently, any processes for obtaining or confirming data from study investigators, and if applicable, details of automation tools used in the process.	Pg 3
Data items	10a	List and define all outcomes for which data were sought. Specify whether all results that were compatible with each outcome domain in each study were sought (e.g. for all measures, time points, analyses), and if not, the methods used to decide which results to collect.	Pg 3
	10b	List and define all other variables for which data were sought (e.g. participant and intervention characteristics, funding sources). Describe any assumptions made about any missing or unclear information.	Pg 3&4
Study risk of bias assessment	11	Specify the methods used to assess risk of bias in the included studies, including details of the tool(s) used, how many reviewers assessed each study and whether they worked independently, and if applicable, details of automation tools used in the process.	Pg 4
Effect measures	12	Specify for each outcome the effect measure(s) (e.g. risk ratio, mean difference) used in the synthesis or presentation of results.	Pg 4
Synthesis methods	13a	Describe the processes used to decide which studies were eligible for each synthesis (e.g. tabulating the study intervention characteristics and comparing against the planned groups for each synthesis (item #5)).	Pg 4
	13b	Describe any methods required to prepare the data for presentation or synthesis, such as handling of missing summary statistics, or data conversions.	NA
	13c	Describe any methods used to tabulate or visually display results of individual studies and syntheses.	Pg 4
	13d	Describe any methods used to synthesize results and provide a rationale for the choice(s). If meta-analysis was performed, describe the model(s), method(s) to	Pg 4

Section and Topic	Item #	Checklist item	Location where item is reported
		identify the presence and extent of statistical heterogeneity, and software package(s) used.	
	13e	Describe any methods used to explore possible causes of heterogeneity among study results (e.g. subgroup analysis, meta-regression).	Pg 4
	13f	Describe any sensitivity analyses conducted to assess robustness of the synthesized results.	Pg 9
Reporting bias assessment	14	Describe any methods used to assess risk of bias due to missing results in a synthesis (arising from reporting biases).	Pg 9
Certainty assessment	15	Describe any methods used to assess certainty (or confidence) in the body of evidence for an outcome.	NA
RESULTS			
Study selection	16a	Describe the results of the search and selection process, from the number of records identified in the search to the number of studies included in the review, ideally using a flow diagram.	Figure 1
	16b	Cite studies that might appear to meet the inclusion criteria, but which were excluded, and explain why they were excluded.	Pg 4
Study characteristics	17	Cite each included study and present its characteristics.	Pg 5, table 1
Risk of bias in studies	18	Present assessments of risk of bias for each included study.	Pg 7, Supplementary Tables 4a & 4b
Results of individual studies	19	For all outcomes, present, for each study: (a) summary statistics for each group (where appropriate) and (b) an effect estimate and its precision (e.g. confidence/credible interval), ideally using structured tables or plots.	Figure 2
	20a	For each synthesis, briefly summarise the characteristics and risk of bias among contributing studies.	Table 1, Supplementary Tables 4a,4b
Results of syntheses	20b	Present results of all statistical syntheses conducted. If meta-analysis was done, present for each the summary estimate and its precision (e.g. confidence/credible interval) and measures of statistical heterogeneity. If comparing groups, describe the direction of the effect.	Figure 2
	20c	Present results of all investigations of possible causes of heterogeneity among study results.	Table 2
	20d	Present results of all sensitivity analyses conducted to assess the robustness of the synthesized results.	Pg 7 & Figure 2
Reporting biases	21	Present assessments of risk of bias due to missing results (arising from reporting biases) for each synthesis assessed.	Pg 8, Figure 3a
Certainty of evidence	22	Present assessments of certainty (or confidence) in the body of evidence for each outcome assessed.	NA
DISCUSSION			
Discussion	23a	Provide a general interpretation of the results in the context of other evidence.	Pg 9 & 10
	23b	Discuss any limitations of the evidence included in the review.	Pg 10 & 11
	23c	Discuss any limitations of the review processes used.	Pg 10 & 11
	23d	Discuss implications of the results for practice, policy, and future research.	Pg 11

Section and Topic	Item #	Checklist item	Location where item is reported
		OTHER INFORMATION	
Registration and protocol	24a	Provide registration information for the review, including register name and registration number, or state that the review was not registered.	Pg 3
	24b	Indicate where the review protocol can be accessed, or state that a protocol was not prepared.	Pg 3
	24c	Describe and explain any amendments to information provided at registration or in the protocol.	NA
Support	25	Describe sources of financial or non-financial support for the review, and the role of the funders or sponsors in the review.	Pg 11
Competing interests	26	Declare any competing interests of review authors.	Pg 11
Availability of data, code and other materials	27	Report which of the following are publicly available and where they can be found: template data collection forms; data extracted from included studies; data used for all analyses; analytic code; any other materials used in the review.	Pg 11

Table S2. Inclusion and exclusion criteria.

Research Question: What is the prevalence of ocular manifestations in Monkeypox patients?

	Inclusion	Exclusion
Participants	Confirmed Monkeypox patients • All gender • All age groups	Suspected or probable Monkeypox patients
Disease	Ocular manifestations	
Outcome	Prevalence of Ocular manifestations	Risk factors and treatment of ocular manifestations of mpox patients.
Study Designs	Prevalence studies, case series, cross-sectional studies, cohort studies, case control studies, surveys.	Qualitative, Policy, case reports and Opinion reports.
	Geography-Global level Date of Search- Publish till December 12th December 2022 English Language Human studies	
	Published and Un-published data	

Table S3. The adjusted search terms as per searched electronic databases [as of 12.12.2022].

Database	No	Search Query	Results
		Cochrane	
	#1	((mpox:ti,ab) OR (monkeypox:ti,ab)) OR (mpxv:ti,ab)	12
	#2	((((((eye:ti,ab) OR (ophthalmic:ti,ab)) OR (ocular:ti,ab)) OR (optic:ti,ab)) OR (vision:ti,ab)) OR (visual:ti,ab)	127,174
	#3	#1 AND #2 AND (English[Filter])	0
		EBSCOHost-Academic Search Complete	
	#1	TX mpox OR TX monkeypox OR TX mpxv	387

#2	TX eye OR TX ophthalmic OR TX ocular OR TX optic OR TX vision OR TX visual	400409
#3	#1 AND #2 AND (English[Filter])	127
EMBASE		
#1	((mpox:ti,ab) OR (monkeypox:ti,ab)) OR (mpxv:ti,ab)	2421
#2	((((((eye:ti,ab) OR (ophthalmic:ti,ab)) OR (ocular:ti,ab)) OR (optic:ti,ab)) OR (vision:ti,ab)) OR (visual:ti,ab)	1,183,268
#3	#1 AND #2 AND (English[Filter])	49
ProQuest		
#1	((TI,AB(mpox)) OR (TI,AB(monkeypox))) OR (TI,AB(mpxv))	535
#2	((((((TI,AB(eye)) OR (TI,AB(ophthalmic))) OR (TI,AB(ocular))) OR (TI,AB(optic))) OR (TI,AB(vision))) OR (TI,AB(visual))	441629
#3	1 AND 2 AND (English[Filter])	17
PubMed		
#1	((mpox[Title/Abstract]) OR (monkeypox[Title/Abstract])) OR (mpxv[Title/Abstract])	2,219
#2	((((((eye[Title/Abstract]) OR (ophthalmic[Title/Abstract])) OR (ocular[Title/Abstract])) OR (optic[Title/Abstract])) OR (vision[Title/Abstract])) OR (visual[Title/Abstract])	940,706
#3	1 AND 2 AND (English[Filter])	40
Scopus		
#1	((TITLE-ABS(mpox)) OR (TITLE-ABS(monkeypox))) OR (TITLE-ABS(mpxv))	2,110
#2	((((((TITLE-ABS(eye)) OR (TITLE-ABS(ophthalmic))) OR (TITLE-ABS(ocular))) OR (TITLE-ABS(optic))) OR (TITLE-ABS(vision))) OR (TITLE-ABS(visual))	2,125,543
#3	#1 AND #2 AND (English[Filter])	38
Web of Science		
#1	(((TI=mpox OR AB=mpox)) OR ((TI=monkeypox OR AB=monkeypox)) OR ((TI=mpxv OR AB=mpxv))	1625
#2	(((((((TI=eye OR AB=eye)) OR ((TI=ophthalmic OR AB=ophthalmic))) OR ((TI=ocular OR AB=ocular))) OR ((TI=optic OR AB=optic))) OR ((TI=vision OR AB=vision))) OR ((TI=visual OR AB=visual))	1,125,399
#3	#1 AND #2 AND (English[Filter])	26

Table S4a: Quality assessment of included case series with the use of *National Heart, Lung, and Blood Institute* (*NHLBI*) **quality assessment tool.**

Author (YOP)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Overall Quality
Patel et al. (2022)	Y	Y	Y	Y	NA	Y	NA	Y	Y	Good
Thornhill et al. (2022)	Y	Y	CD	N	NA	Y	NA	Y	Y	Fair

Table S4. b: Quality assessment of included cross-sectional and cohort studies with the use of *National Heart, Lung, and Blood Institute* (*NHLBI*) quality assessment tool.

Author (YOP)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Quality rating
Català et al. (2022)	Y	Y	N	Y	N	NA	NA	NA	Y	NI	Y	N	NA	N	Poor
deSousa et al., (2022)	Y	Y	Y	Y	N	NA	NA	NA	Y	NI	Y	N	NA	N	Fair
Hughes et al., (2014)	Y	N	NI	NI	N	NA	NA	NA	Y	NI	N	N	NA	N	Poor
Huhn et al. (2005)	Y	Y	Y	Y	N	NA	NA	NA	Y	NI	Y	N	NA	N	Fair
Jazek et al., (1988)	Y	Y	Y	Y	N	NA	NA	NA	Y	NI	Y	N	NA	N	Fair
Jazek et al., (1988)	Y	Y	Y	Y	N	NA	NA	NA	Y	NI	Y	N	NA	N	Fair
Mande et al., (2022)	Y	Y	Y	Y	N	NA	NA	NA	Y	NI	Y	N	NA	N	Fair
Ogoina et al. (2020)	Y	Y	Y	N	N	NA	NA	NA	Y	NI	Y	N	NA	N	Poor
Pittman et al., (2022)	Y	Y	Y	Y	N	NA	NA	NA	Y	NI	Y	N	NA	Y	Good
Whitehouse et al., (2021)	Y	Y	Y	Y	N	NA	NA	NA	Y	NI	Y	N	Y	N	Good