Supplementary Tables have been published as submitted, and have not been copyedited, typeset or checked for scientific content by Acta Dermato-Venereologica

 Table SI. PRISMA 2020 checklist for systematic reviews.

Section and	ltem		Location					
	#	Checklist item	where item is					
Торіс	#							
TITLE								
Title	1	Identify the report as a systematic review.	Title page					
ABSTRACT	1							
Abstract	2	See the PRISMA 2020 for Abstracts checklist.	Abstract					
INTRODUCTIO	N							
Rationale	3	Describe the rationale for the review in the context of existing knowledge.	Introduction					
Objectives	4	Provide an explicit statement of the objective(s) or question(s) the review addresses.	Methods					
METHODS	1							
Eligibility	5	Specify the inclusion and exclusion criteria for the review and how studies were grouped for the	Methods					
criteria		syntheses.						
Information	6	Specify all databases, registers, websites, organisations, reference lists and other sources searched or	Methods					
sources		consulted to identify studies. Specify the date when each source was last searched or consulted.						
Search strategy	[,] 7	Present the full search strategies for all databases, registers and websites, including any filters and limits	Methods					
		used.						
Selection	8	Specify the methods used to decide whether a study met the inclusion criteria of the review, including how	Methods					

Section and	ltom		Location					
Section and	Item	Checklist item	where item is					
Торіс	#							
process		many reviewers screened each record and each report retrieved, whether they worked independently, and						
		if applicable, details of automation tools used in the process.						
Data collection	9	Specify the methods used to collect data from reports, including how many reviewers collected data from	Methods					
process		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.						
Data items	10a	List and define all outcomes for which data were sought. Specify whether all results that were compatible	Methods					
		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.						
	10b	List and define all other variables for which data were sought (e.g. participant and intervention	Methods					
		characteristics, funding sources). Describe any assumptions made about any missing or unclear						
		information.						
Study risk of	11	Specify the methods used to assess risk of bias in the included studies, including details of the tool(s)	Methods					
bias		used, how many reviewers assessed each study and whether they worked independently, and if						
assessment		applicable, details of automation tools used in the process.						
Effect	12	Specify for each outcome the effect measure(s) (e.g. risk ratio, mean difference) used in the synthesis or	Methods					
measures		presentation of results.						
Synthesis	13a	Describe the processes used to decide which studies were eligible for each synthesis (e.g. tabulating the	Methods					
methods		study intervention characteristics and comparing against the planned groups for each synthesis (item #5)).						
l	13b	Describe any methods required to prepare the data for presentation or synthesis, such as handling of	Methods					

Section and	ltom-		Location					
Topic	ltem #	Checklist item	where item is					
горіс	#							
		missing summary statistics, or data conversions.						
	13c	Describe any methods used to tabulate or visually display results of individual studies and syntheses.	Methods					
	13d	Describe any methods used to synthesize results and provide a rationale for the choice(s). If meta-	Methods					
		analysis was performed, describe the model(s), method(s) to 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.	Not applicable					
		subgroup analysis, meta-regression).						
	13f	Describe any sensitivity analyses conducted to assess robustness of the synthesized results.	Not applicable					
Reporting bias	14	Describe any methods used to assess risk of bias due to missing results in a synthesis (arising from	Methods					
assessment		reporting biases).						
Certainty	15	Describe any methods used to assess certainty (or confidence) in the body of evidence for an outcome.	Not applicable					
assessment								
RESULTS	<u> </u>							
Study selection	16a	Describe the results of the search and selection process, from the number of records identified in the	Methods					
		search to the number of studies included in the review, ideally using a flow diagram.						
	16b	Cite studies that might appear to meet the inclusion criteria, but which were excluded, and explain why	Methods					
		they were excluded.						
Study	17	Cite each included study and present its characteristics.	Tables					
characteristics								

Section and	ltom		Location					
	ltem #	Checklist item	where item is					
Торіс	#							
Risk of bias in	18	Present assessments of risk of bias for each included study.	Supplementary					
studies			Table					
Results of	19	For all outcomes, present, for each study: (a) summary statistics for each group (where appropriate) and	Tables					
individual		(b) an effect estimate and its precision (e.g. confidence/credible interval), ideally using structured tables or						
studies		plots.						
Results of	20a	For each synthesis, briefly summarise the characteristics and risk of bias among contributing studies.	Tables					
syntheses	20b	Present results of all statistical syntheses conducted. If meta-analysis was done, present for each the	Not applicable					
		summary estimate and its precision (e.g. confidence/credible interval) and measures of statistical						
		heterogeneity. If comparing groups, describe the direction of the effect.						
	20c	Present results of all investigations of possible causes of heterogeneity among study results.	Not applicable					
	20d	Present results of all sensitivity analyses conducted to assess the robustness of the synthesized results.	Not applicable					
Reporting	21	Present assessments of risk of bias due to missing results (arising from reporting biases) for each	Not applicable					
biases		synthesis assessed.						
Certainty of	22	Present assessments of certainty (or confidence) in the body of evidence for each outcome assessed.	Not applicable					
evidence								
DISCUSSION	<u> </u>	1						
Discussion	23a	Provide a general interpretation of the results in the context of other evidence.	Discussion					
	23b	Discuss any limitations of the evidence included in the review.	Discussion					

Section and Topic	ltem #	Checklist item	Location where item is reported
	23c	Discuss any limitations of the review processes used.	Discussion
	23d	Discuss implications of the results for practice, policy, and future research.	Discussion
OTHER INFOR	MATIO	N	
Registration	24a	Provide registration information for the review, including register name and registration number, or state	Methods
and protocol		that the review was not registered.	
	24b	Indicate where the review protocol can be accessed, or state that a protocol was not prepared.	Methods
	24c	Describe and explain any amendments to information provided at registration or in the protocol.	Methods
Support		Describe sources of financial or non-financial support for the review, and the role of the funders or sponsors in the review.	Title page
Competing	26	Declare any competing interests of review authors.	Title page
interests			
Availability of	27	Report which of the following are publicly available and where they can be found: template data collection	Title page
data, code and other materials		forms; data extracted from included studies; data used for all analyses; analytic code; any other materials used in the review.	

Table SII. Risk of bias was assessed for each study using the Quality Assessment Tool for Observational Cohort and Cross-Sectional Studies (National Institute

of Health)

	Was the research question or objective in this paper clearly stated?	Was the study population clearly specified and defined?	Was the participation rate of eligible persons at least 50%?	Were all the subjects selected or recruited from the same or similar populations?	Was a sample size justification, power description, or variance and effect estimates provided?	For the analyses in this paper, were the exposure(s) of interest measured prior to the outcome(s) being measured?	Was the timeframe sufficient so that one could reasonably expect to see an association between exposure and outcome if it existed?	For exposures that can vary in amount or level, did the study examine different levels of the exposure?	Were the exposure measures (independent variables) clearly defined, valid, reliable, and implemented consistently across all study participants?	Was the exposure(s) assessed more than once over time?	Were the outcome measures (dependent variables) clearly defined, valid, reliable, and implemented? Consistently across all study participants?	Were the outcome assessors blinded to the exposure status of participants?	Was loss to follow-up after baseline 20% or less?	Were key potential confounding variables measured and adjusted statistically for their impact on the relationship? between exposure(s) and outcome(s)?	Summary Quality
Aguayo-Carreras et al (26) (2020)	\checkmark	~	~	\checkmark	\checkmark	NA	NA	\checkmark	\checkmark	х	\checkmark	NA	NA	\checkmark	i
Aguayo-Carreras et al (25) (2021)	~	√	\checkmark	\checkmark	x	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	√	\checkmark	\checkmark	ii
Van Beugen et al (28) (2017)	\checkmark	\checkmark	\checkmark	\checkmark	x	NA	NA	\checkmark	\checkmark	х	\checkmark	\checkmark	NA	\checkmark	i
Molina-Leyva et al (20) (2015)	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	ii
Basinska et al (24) (2013)	\checkmark	\checkmark	\checkmark	\checkmark	х	NA	NA	\checkmark	\checkmark	х	\checkmark	\checkmark	NA	х	i
Panasiti et al (37)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

(2020)															
Lim et al (38)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
(2018)								NA I				NA	114		
Mols et al (39)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
(2010)			10.1		10.0	10,0									
Chilicka et al (2)	~	\checkmark	\checkmark	\checkmark	\checkmark	NA	NA	\checkmark	\checkmark	x	\checkmark	NA	NA	\checkmark	i
(2017)			-	-	-			-			-			-	
Sereflican et al (21)	√	\checkmark	\checkmark	\checkmark	x	NA	NA	\checkmark	\checkmark	x	\checkmark	NA	NA	\checkmark	i
(2019)				-				-	-		-				
Krowchuk et al (22)	\checkmark	\checkmark	\checkmark	\checkmark	x	NA	NA	\checkmark	\checkmark	x	\checkmark	NA	NA	\checkmark	i
(1991)															
Ramos Alejo-Pita et al (23)	\checkmark	\checkmark	\checkmark	\checkmark	х	NA	NA	\checkmark	\checkmark	х	\checkmark	NA	NA	\checkmark	i
(2020)															
Mols et al (29)	\checkmark	\checkmark	1	\checkmark	х	NA	NA	\checkmark	\checkmark	х	\checkmark	NA	NA	\checkmark	i
(2010)															
White et al (30)	~	\checkmark	x	\checkmark	x	~	\checkmark	~	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	ii
(2007)															
Barone et al (19)	\checkmark	\checkmark	\checkmark	\checkmark	х	NA	NA	\checkmark	\checkmark	х	\checkmark	NA	NA	\checkmark	i
(2008)															
Yilmaz et al (31)	\checkmark	\checkmark	\checkmark	\checkmark	х	NA	NA	\checkmark	\checkmark	х	\checkmark	NA	NA	1	i
(2016)															
Sanchez-Diaz et al (32)	\checkmark	\checkmark	\checkmark	\checkmark	х	NA	NA	\checkmark	\checkmark	x	\checkmark	NA	NA	\checkmark	i
(2022)															
Quality was rated as 0 for poor (0-4 o	out of 14	question	ns), i for f	air (5–1	0 out of 14 o	questions),	or ii for go	ood (11–14	out of 14 que	estions); N	A: not applicab	le, NR: n	ot report	ed.	

	Epidemiological	Number of	Severity score	Туре D	Quality-of-life	Mood	Relevant results	CEBM
	design	patients		Personality	scores	disturbances		level of
		(total)		assessment/Use		assesed		evidence
				of continuous or				
				dichotomus				
				method to				
				analyze type D				
				personality				
				impact				
	<u> </u>		Acne	Vulgaris and Hidrade	enitis Suppurativa			
Chilicka et al	Cross-sectional	300	Hellgren-	DS14	HRQOL:	Not assessed.	Patients with acne showed higher rates of	4
(2)			Vincent Scale	questionnaire	Satisfaction with		Type D Personality than controls (40.67% vs	
(2017)			(HVS)	Dichotomous and	Life Scale.		15.67%).	
				continuous			Life satisfaction was lower in patients with	
				method			higher scores of negative affectivity and	
							social inhibition.	
Sereflican et al	Cross-sectional	122	Global Acne	DS14	Not assessed	HADS-A	Patients with acne showed higher rates of	4
(21)			Grading	questionnaire		HADS-D	Type D Personality than controls (49% vs	
(2019)			System			Perceived	18%).	
				Dichotomous		Stress Scale	Type D Personality was not associated with	
				method		Anxiety-	acne severity.	
						Sensitivity	Type D Personality was associated with	
						Index-3	higher rates of anxiety (HADS-A, ASI-3, PSS)	
							and depression (HADS-D).	

 Table SIII. Overview of the studies included in the systematic review

Krowchuk et al	Cross-sectional	39	Allen and	Self-reported	Piers-Harris self-	Not assessed.	Fifty-three percent of adolescents with acne	4
(22)			Smith Acne	social inhibition	concept scale		felt socially inhibited by the disorder	
(1991)			Severity Scale				sometimes to always. No significant	
				Not applicable.			differences were observed between females	
							and males with respect to self-reported social	
							inhibition.	
Ramos Alejo-	Cross-sectional	27 patients	International	DS14	HRQOL:	HADS-A	Negative affectivity in Hidradenitis	4
Pita et al (23)		and 27	Hidradenitis	questionnaire	Dermatology	HADS-D	Suppurativa patients was associated with	
(2020)		cohabitants	Suppurativa		Quality of life		lower rates of quality of life both in patients	
			Severity Score	Dichotomous and	Index and		and cohabitants.	
			System (IHS4)	continuous	Family			
			Hurley Stage	method	Dermatology			
					Quality of Life			
					Index.			
					Sexual			
					dysfunction:			
					Female sexual			
					function index,			
					International			
					Index of Erectile			
					Function			
				Ps	oriasis			
Aguayo-	Cross-sectional		PASI	DS14	HRQOL: Short	HADS-A	Prevalence of Type D Personality in psoriasis	4
Carreras et al				questionnaire	Form Health	HADS-D	patients was 38.4%.	
(26)					Survey-36			

(2020)				Dichotomous	Sexual		Type D Personality was associated with worse	
				method	dysfunction:		HRQOL (in all the studied subscales: general,	
					Massachusetts		functional, physical, mental, vitality, pain,	
					General		social).	
					Hospital-Sexual		Type D Personality was associated with	
					Functioning		sexual dysfunction (worse sexual arousal),	
					Questionnaire		and sleep disturbances (higher rates of sleep	
					Social		disorders and early awakening).	
					adaptation: Self-		Type D Personality was associated with	
					Applied Scale of		higher rates of anxiety and depression.	
					Social			
					Adaptation			
					Sleep quality:			
					Self-referred.			
Aguayo-	Prospective	154	PASI	DS14	Not assessed	HADS-A,	The stability over the time of Type D	2b
Carreras et al	cohort study			questionnaire		HADS-D	Personality was assessed: 47.5% of the	
(25)							patients maintained Type D Personality	
(2021)				Dichotomous			criteria at week 208.	
				method			Factors associated with Type D Personality	
							maintenance were higher PASI scores,	
							incomplete education and being divorced-	
							widowed.	
							Type D Personality was associated with	
							higher rates of anxiety and depression at	
							baseline and at week 208.	

Van Beugen et	Cross-sectional	514	PASI	DS14	Perceived	Not assessed	Type D Personality was found to be	4
al (28)				questionnaire	stigmatization		associated with higher levels of perceived	
(2017)					(Impact of		stigmatization in psoriasis patients. Social	
				Dichotomous and	Chronic Skin		inhibition seemed to be a strong predictor of	
				continuous	Disease on Daily		perceived stigmatization.	
				method	Life			
					questionnaire)			
Tekin a et al	Cross-sectional	71	PASI	Type D	DLQI	HADS-A	Negative correlations were found	4
(27)				personality scale		HADS-D	between type D personality subscales	
(2018)							(negative affectivity and social inhibition)	
				Dichotomous and			and quality of life. Additionally, higher	
				continuous			levels of negative affect and social inhibition	
				method			correlated with disease severity	
Molina-Leyva	Prospective study	1610	PASI	DS14	Short Form	HADS-A	Prevalence of Type D Personality was higher	2b
et al (20)				questionnaire	Health Survey	HADS-D	in psoriasis patients than in controls (38.7%	
(2015)					(SF-36)		vs 23.7%)	
				Dichotomous and			Type D Personality increased the risk of	
				continuous	Massachusetts		anxiety a 3.2-fold.	
				method	General		Type D Personality was significantly	
					Hospital-Sexual		associated with an impaired general, sexual	
					Functioning		and psoriasis-related HRQOL.	
					Questionnaire			
Basinska et al	Cross-sectional	176	PASI	DS14	Self-reported	Not assessed.	Type D Personality was found to be more	4
(24)				questionnaire	psoriasis		frequent among psoriasis patients when	
(2013)					symptomatology		compared to controls, as well as both	

				Continuous			subscales of type D personality. A higher	
				method			difference between groups was found when	
							performing stratified analysis (with female	
							patients having higher rates of Type D	
							Personality).	
Panasiti et al	Literature review	-	-	-	-	-	The results of the review are analyzed in	-
(37)							separate rows, addressing each article	
(2020)							included in the review.	
Lim et al (38)	Literature Review	-	-	-	-	-	The results of the review are analyzed in	-
(2018)							separate rows, addressing each article	
							included in the review.	
Mols et al (39)	Systematic	-	-	-	-	-	The results of the review are analyzed in	-
(2010)	Review						separate rows, addressing each article	
							included in the review.	
		I		Skin canc	er			
Mols et al (29)	Cross-sectional	562	Clinical stage	DS14	Short Form	Not assessed.	Type D Personality was found to be not	4
(2010)			(TNM	questionnaire	Health Survey		associated to clinical stage in melanoma	
			classification)		(SF-36).		survivors, although a selection bias is	
				Dichotomous	Impact of		expected (only melanoma survivors were	
				method	Cancer		included). Type D Personality was found to be	
					Questionnaire		not associated to stage at diagnosis, Breslow	
					(IOC)		thickness, nor primary treatment.	
							Type D Personality patients showed worse	
							quality of life scores in all of the items of the	
							SF-36 questionnaire. As well, these patients	

White et al (30) (2007)	Prospective study	261	Not assessed	Positive And Negative Affect Scale (PANAS)	Not assessed.	Not assessed.	showed a greater impact on all of the subscales of the Impact of Cancer Questionnaire. After adjustment for potential confounders, there was no significant association between negative affect and risk of melanoma	2b
				Not applicable			development.	
				Other disea	ises			
Barone et al	Cross-sectional	217	Not assessed	Type D	Not assessed.	Anxiety	There were no differences between atopic	4
(19)				Personality Scale-		Sensitivity	and non-atopic asthmatics patients in terms	
(2008)				16		Index.	of Type D Personality rates.	
(Atopic				Not applicable		Beck		
dermatitis)						Depression		
						Inventory-II		
Yilmaz et al	Cross-sectional	200	Modified Itch	DS14	Not assessed.	HADS-A	Type D Personality rates were higher in	4
(31)			Severity Scale	questionnaire		HADS-D	patients with isolated itching of the external	
(2016)							auditory canal (43 %) than in controls (43% vs	
(Itch of				Dichotomous			15%).	
auditory				method			Type D Personality was associated with	
canal)							greater severity of itch after multivariate	
							analysis. Type D Personality was associated	
							with higher anxiety rates.	
Atis et al (33)	Cross-sectional	39 patients	Not recorded	DS14	DLQI	HADS-A	Type D personality rates were similar in	3b
(2021) (Vitiligo		with		questionnaire		HADS-D	controls, alopecia and vitiligo patients.	
		alopecia and					Patients with vitiligo and higher scores of	

and Alopecia		46 patients		Dichotomous and			type D personality had poorer quality of life.	
Areata)		with vitiligo		continuous			This relationship was not found in patients	
				method			with AA. HADS-A and HADS-D scores	
							correlated with type D personality scores in	
							both groups.	
Sanchez-Diaz	Cross-sectional	75	Urticaria	DS14	HRQOL:	HADS-A	Type D Personality was not associated with	4
et al (32)			Control Test		Dermatology	HADS-D	worse disease control.	
(2022)				Dichotomous	Life Quality		Regarding quality of life, Type D Personality	
(Chronic				method	Index		was associated with poorer quality of life and	
Spontaneous					Chronic,		higher frequency of sleep disturbances.	
Urticaria)					Urticaria Quality		The presence of anxiety and depression was	
					of Life		higher in patients with Type D Personality	
					Questionnaire.		(Type D Personality increased the probability	
					Sexual		of having anxiety by 51% and depression by	
					dysfunction:		86%).	
					International			
					Index of Erectile			
					Function,			
					Female sexual			
					function Index,			
					Pittsburgh Sleep			
					Quality Index			

Sanchez-Diaz	Cross-sectional	31 patients	Urticaria	DS14	HRQOL:	HADS-A	Long disease duration in patients is	4	
et al (40)		and 31	Control Test		Dermatology	HADS-D	associated with higher rates of type D		
(2022)		cohabitants		Dichotomous	Life Quality		personality in cohabitants. No relationship		
(Chronic				method	Index		between type D personality in cohabitants		
Spontaneous					Chronic,		and severity of the disease or patient's		
Urticaria)					Urticaria Quality		quality of life.		
					of Life				
					Questionnaire.				
					Sexual				
					dysfunction:				
					International				
					Index of Erectile				
					Function,				
					Female sexual				
					function Index,				
					Pittsburgh Sleep				
					Quality Index				
DS14: Questionnaire for assessing Type D Personality; HADS-A/D: Hospital Anxiety and Depression Scale for Anxiety/Depression; PASI: Psoriasis Area and Severity Index;									
CEBM, Center for Evidence-Based Medicine. 1a: Evidence obtained of systematic reviews or meta-analysis of randomized control trials; 1b: Evidence obtained from individual randomized									

control trials; 2a: Evidence obtained from systematic reviews or meta-analysis of cohort studies; 2b: Obtained from individual cohort studies; 3a: Obtained from systematic reviews or

meta-analysis of case-control studies; 3b: Obtained from individual case-control studies; 4: Obtained from case series; and 5: Obtained from expert opinions.