

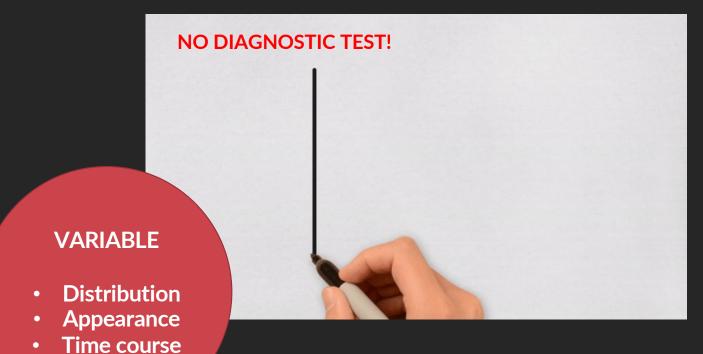


Costs per year are nearly double for patients with uncontrolled disease.

€20,695 vs €11,287

Ariëns LFM, van Nimwegen KJM, Shams M, de Bruin DT, van der Schaft J, van Os-Medendorp H, De Bruin-Weller M. Economic Burden of Adult Patients with Moderate to Severe Atopic Dermatitis Indicated for Systemic Treatment. Acta Den 10.2340/00015555-3212. PMID: 31073619.

WHY IS INNOVATION NEEDED?



UNSTABLE

UNPREDICTABLE

UNBEARABLE

NOT 'JUST A SKIN DISEASE'

Comorbidities in Atopic Dermatitis

- Infections
 - (bacterial, viral, and fungal)
- Mental health disorders
 - (attention-deficit/hyperactivity disorder, anxiety, depression, autism)
- Obesity
- Cardiovascular disease

Atopic March

Atopic dermatitis

Food allergy

Asthma

Allergic rhinitis

Suffering
Stigmatization
Societal costs

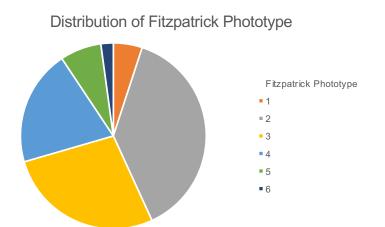
Simpson EL. Curr Dermatol Rep. 2012;1:29-38.

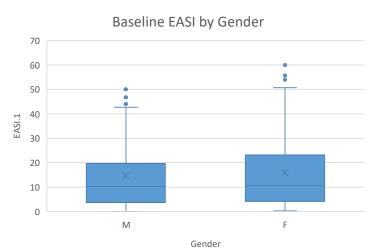


MUHC COE AD

Health-related quality of life in an adult atopic dermatitis cohort

N=207 ADULT AD H&R	Number of Patients with Valid Data (% completeness)	Median / N	IQR / %
Intermittent remission in past year	203 (98%)	72	34.8%
Anxiety or depression secondary to AD	198 (96%)	75	36.2%
Missed school or work in last year due to AD	198 (96%)	69	33.3%



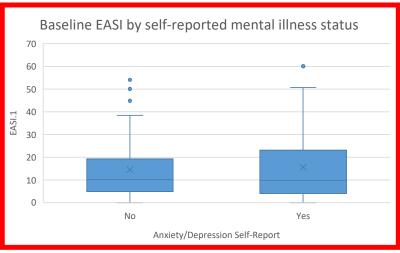


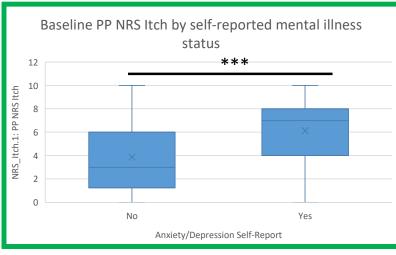
Douglas Michael Lebo^{1,3*}, Charlie Bouchard¹, Alexandra Yacovelli^{1,2}, Valerie Hladky^{1,3}, Rachel Habib^{1,3}, Richie Jeremian^{1,2}, Carolyn Jack^{1,2} **12th International Symposium on Atopic Dermatitis**

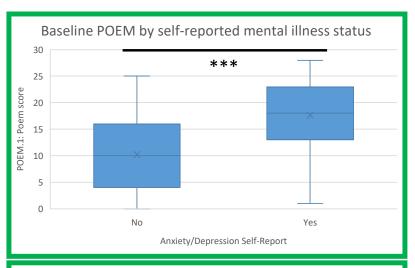


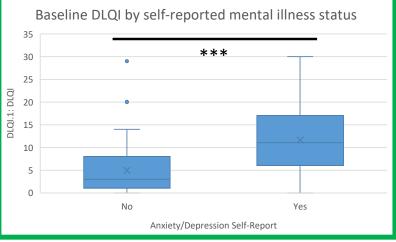
Health-related quality of life in a Montreal atopic dermatitis cohort

n=207
adult
patients









Douglas Michael Lebo^{1,3*}, Charlie Bouchard¹, Alexandra Yacovelli^{1,2}, Valerie Hladky^{1,3}, Rachel Habib^{1,3}, Richie Jeremian^{1,2}, Carolyn Jack^{1,2} 12th International Symposium on Atopic Dermatitis

p<0.001. Mann-Whitney U tests.

Health-related quality of life in a Montreal atopic dermatitis cohort

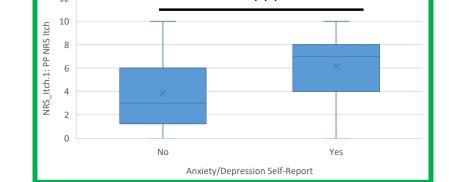
Baseline EASI by self-reported mental illness status

Baseline POEM by self-reported mental illness status

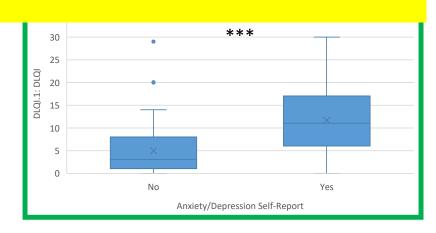
Among <u>patients who missed school or work</u> in the last year, **the**prevalence ratio of patients with anxio-depressive symptoms was 3.29

• (95% CI [1.82, 5.92], p < 0.001).

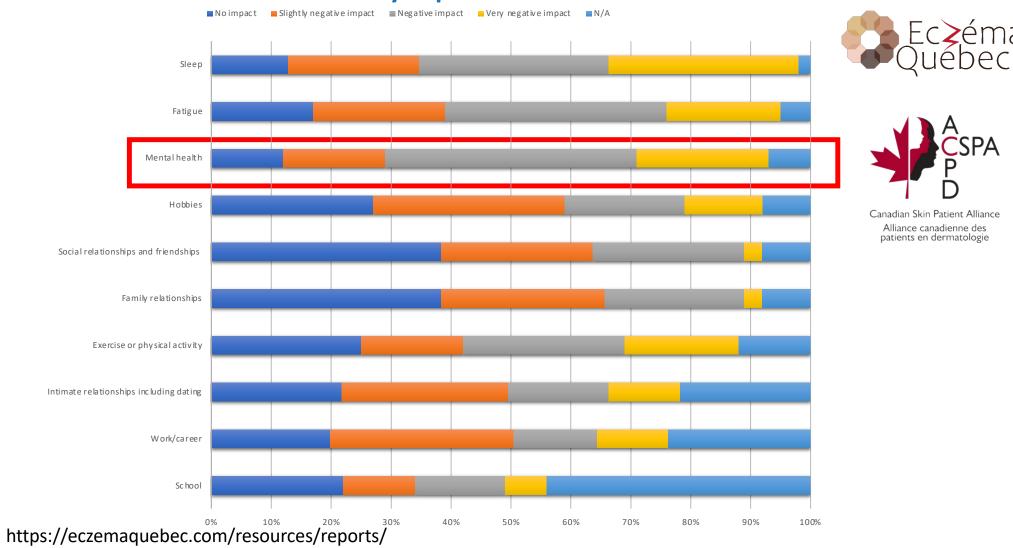
→ more patients who report anxio-depressive symptoms miss school or work in the last year.



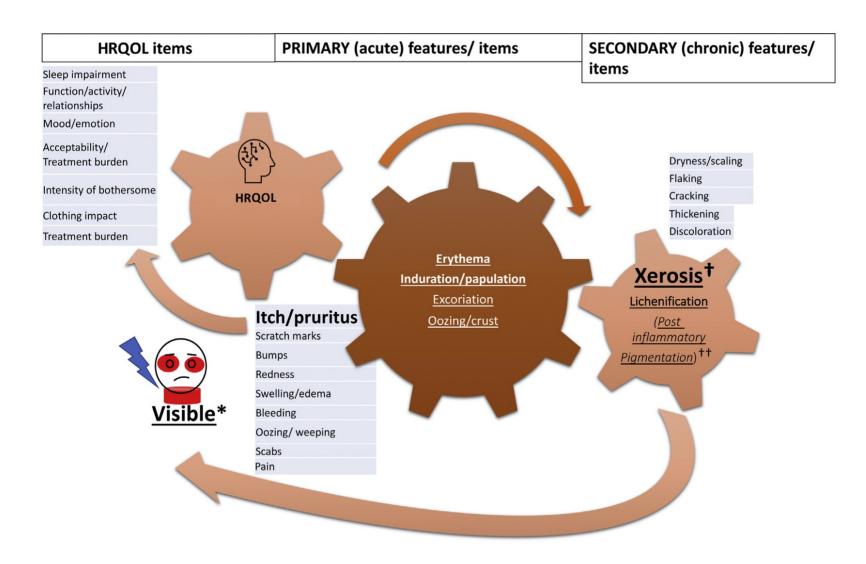
p<0.001. Mann-Whitney U tests.



Mental health is rarely spared in AD



J ALLERGY CLIN IMMUNOL PRACT VOLUME 9, NUMBER 4



Case: 46yr woman with severe AD in remission

Formulation: Persistent anxio-depressive symptoms in the context of AD, a significant general medical condition

Diagnostic impression:

- **1. Persistent depressive disorder** —with **anxious distress** with major depressive episodes —not currently in a major depression episode
- 2. DDx
 - chronic adjustment disorder with depressive symptoms
 - affective/ mood disorder 2nd to GMC (eczema)
 - Less likely somatic symptom disorder
- 3. Stressors/stress-related: e.g. bereavement (bi-directional relationship with AD)
- 4. r/o perimenopausal contribution



Resiliency and self-care:

Shawn Reynolds, PhD, for



Self-care → **practice** actively;

paying **attention** to physical and emotional needs, **being active** and participating in enjoyable activities

Resiliency → reflecting on the challenges one has overcome in life, and the ways one has grown from them. This reflection can help shift one perspective

https://www.eczemahelp.ca/blog/managing-the-burden-of-eczema/



Brain-body awareness, Sleep interventions Yoga and meditation sessions:

Liza Meltzer, PhD, Jennifer Moyer Darr, National

LCSW for the

Yoga nidra eczema warriors



Eczema

https://www.youtube.com/watch?v=fk **5QqGmWLCA**

https://nationaleczema.org/blog/mentalhealth-science/



Guidelines and position statements on mental health interventions

→ Few criteria to guide selection of interventions

Chida et al., 2007 note limitations:

- small sample sizes
- brief interventions
- psychoeducational > therapeutic
- focus children > than adults.

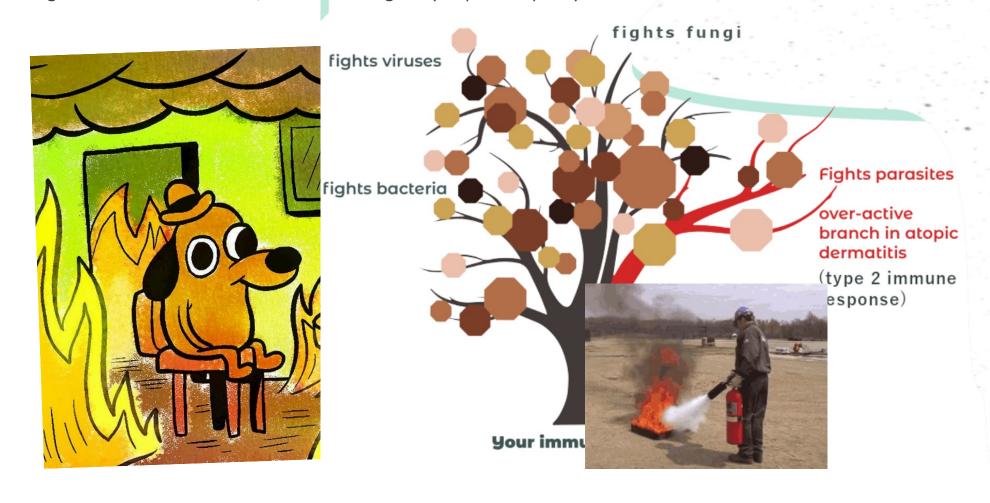
Psychodynamic psychotherapy (34)

- Humanistic therapies (34)
- Family therapy (34, 35)
- Behavioral and cognitive behavioral therapy (34-37)
- Habit reversal training (34-37)
- Hypnosis (34)
- Biofeedback(34)
- Autogenic training (35, 36, 41)
- Psychoeducation and self-management programs (34-38)
- Stress management and relaxation training (34-37, 41)
- Support groups (34)



1. Start first with the goal to gain better disease control.

✓ Effective topical and/or systemic pharmacotherapy can disrupt the itch-scratch cycle and ↓ systemic inflammation, improving mental health outcomes, and an overall greatly improved quality of life



<u>Case</u>: 46yr woman with severe AD in remission, with persistent depressive disorder –

Stress/mental health = a bi-directional relationship with AD

Management approach (Psychiatry)

A.Psycho-pharmacologic \rightarrow Rx, e.g. antidepressants (beyond the scope here)

B.Psycho-therapeutic

e.g. CBT: at least 15-20 1hr weekly sessions with a trained therapist

C. Behavioral management:

Sleep hygiene, melatonin

Physical *exercise*: 30min 3xwk, **9weeks**, mod-intensity cardiovascular, supervised

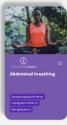
Abstaining from substances



Taking care of your mental health is part of your eczema treatment

We know that eczema can have a significant impact on patients' psychological and emotional wellbeing. The disease is unpredictable, and changes daily, with red-hot skin, extreme itch, loss of sleep and daytime concentration all interfering with daily life. Symptoms of anxiety and depression can create a vicious circle, exacerbating the physical symptoms of your disease, which in turn leads to greater mental health problems. This negatively affects patients' wellbeing, which is why it's so important to seek help if you are struggling with your mental health or managing your disease.

Here are some free online resources to help you feel more at ease and in control:

















Access these resources via the QR codes

You can also get in touch with a counselor immediately by phone: 1-866-585-0445 (Adults) or 1-888-668-6810 (Youth)



Wellness Together Canada (WTC) is a government-sponsored program to provide free mental health services to all Canadians. It is <u>totally free</u> and <u>anonymous</u>, and you can access a variety of resources on their website immediately.



MUHC COE 'Wellness' in AD: Group-support programming (pilot):

- Licensed psychologist and addiction/palliative care therapist
- Goal: to work with patients to build a virtual tool-kit and a safe space for improving emotion regulation and well-being
- Format #1. Eczema and Wellness seminar:

Weekly drop-in, single-session

- Orientation, opening practice, and introductions.
- sections: mindfulness, experiential acceptance, and selfcompassion introduced with modular activities and guidedpractices

Auto-évaluation de la santé mentale / Mental health self-assessment

Bienvenue à notre auto-évaluation de la santé mentale. Ce ne sont que quelques questions pour avoir une idée de ce que vous traversez en ce moment. / Welcome to our mental health self-assessment. It is just a few questions to get a sense of what you are going through right now.

Veuillez indiquer votre adresse e-mail. Nous l'utiliserons pour vous envoyer votre rapport. / Please indicate your email address. We will use this to send you your report.



Welcome to Wellness Together at the MUHC Center of Excellence for Atopic Dermatitis, a mental health support tool for adult eczema patients.

Selec

Anxiety

Definition Anxiety is a se associated wit emotion syster vigilance. It is society, which issues. Your Lates

Anxiety is a sense of worry, nervousness or distress and is associated with threat or uncertainty. It is an important emotion system for anticipating threat or maintaining vigilance. It is also chronically over-activated in modern society, which leads to a variety of mental and physical

Your Latest Score



Score auide

0-4: Normal. This is a typical everyday level of anxie 5-9: Mild. This often (but not always) indicates som 10-14: Moderate. This typically indicates a substant life and may cause or exacerbate health prob 15+: Severe. This indicates a major problem with an taking action to reduce stress as soon as possi

Score Trend



<u>Psychotherapeutic Behavioral and Stress reduction</u>

parallels with chronic Pain?

1. Cognitive Behavior Therapy

Eg. Clinical trial: Brief Cognitive Behavioral Therapy to Treat Itch, Rumination "Itch CBT" in Pediatric Eczema, Dr.A.Paller

- 2. Acceptance and Commitment Therapy
- 3. Mindfulness-based Interventions
- 4. Habit reversal training
- 5. Breathing techniques, deep muscle relaxation

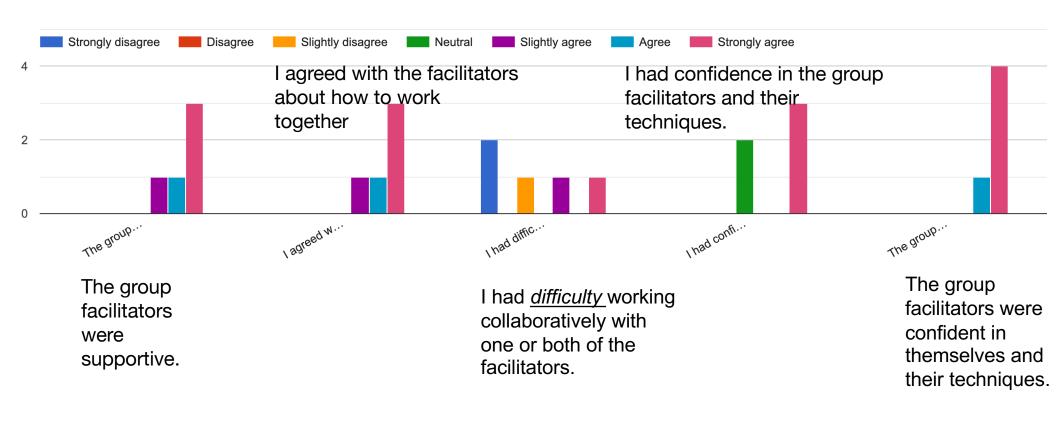
MAY help restructure thoughts, perspectives and the senses,

By WITNESSING THOUGHTS and EMOTIONS

with conscious positive thoughts and actions

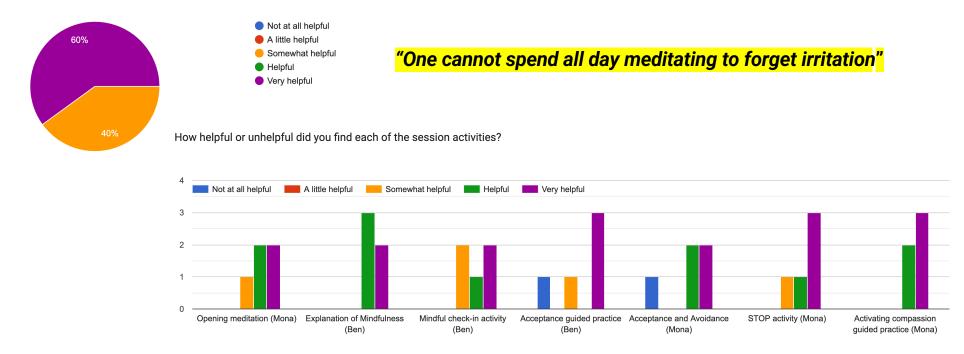
MUHC COE Wellness seminar: PATIENT FEEDBACK

Thinking about the session, please indicate how strongly you agree or disagree with each statement



MUHC COE Wellness seminar: PATIENT FEEDBACK

Overall, how helpful did you find this group session?
5 responses



SUGGESTIONS: More Itch-specific approaches; real-life example guidance; working from patient experiences, approaching compassion across work-places with employers

FOCUS GROUP pending qualitative analysis

Vision:





- 1. Ensure that individuals diagnosed with atopic dermatitis and their caregivers are offered recognition and support for the impact the disease has on their wellbeing.
- 2. Support for managing these issues <u>must be part of comprehensive treatment</u> <u>strategy</u> for each individual with AD.
- 3. A first step would be to <u>conduct a mental health screening</u> and an assessment of <u>sleep quality</u> for every patient with AD, and to *offer support, care, access to resources, and referral to a specialist, when appropriate*.
- 4. <u>Innovative strategies</u> are needed to study and to co-develop strategies and tools using a more inclusive form of research

https://www.eczemahelp.ca/blog/managing-the-burden-of-eczema/

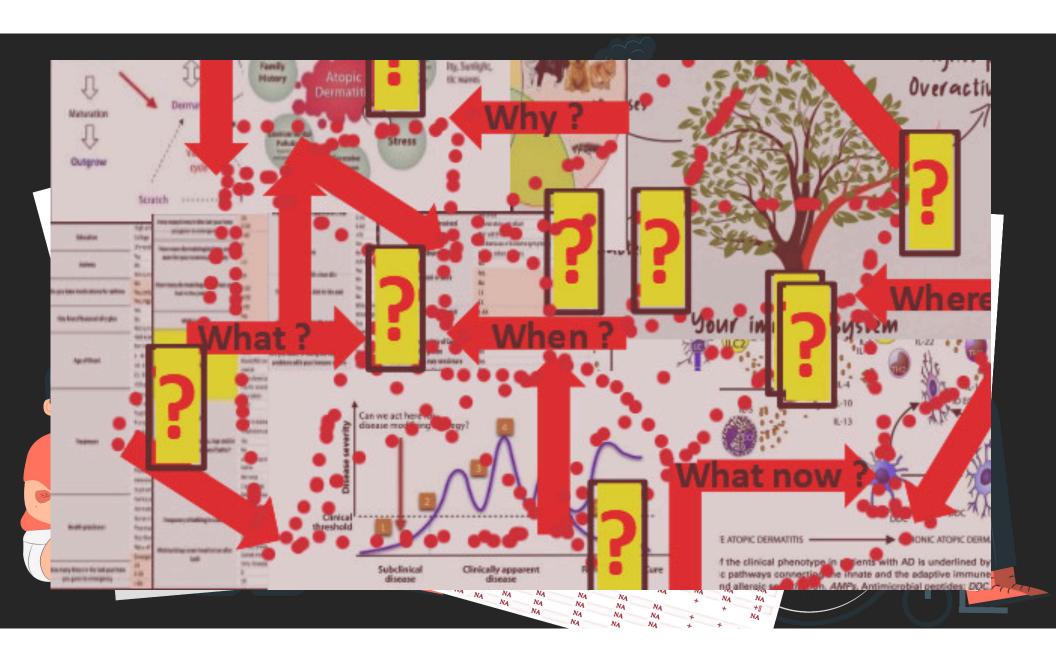
RESTRICTED ACCESS

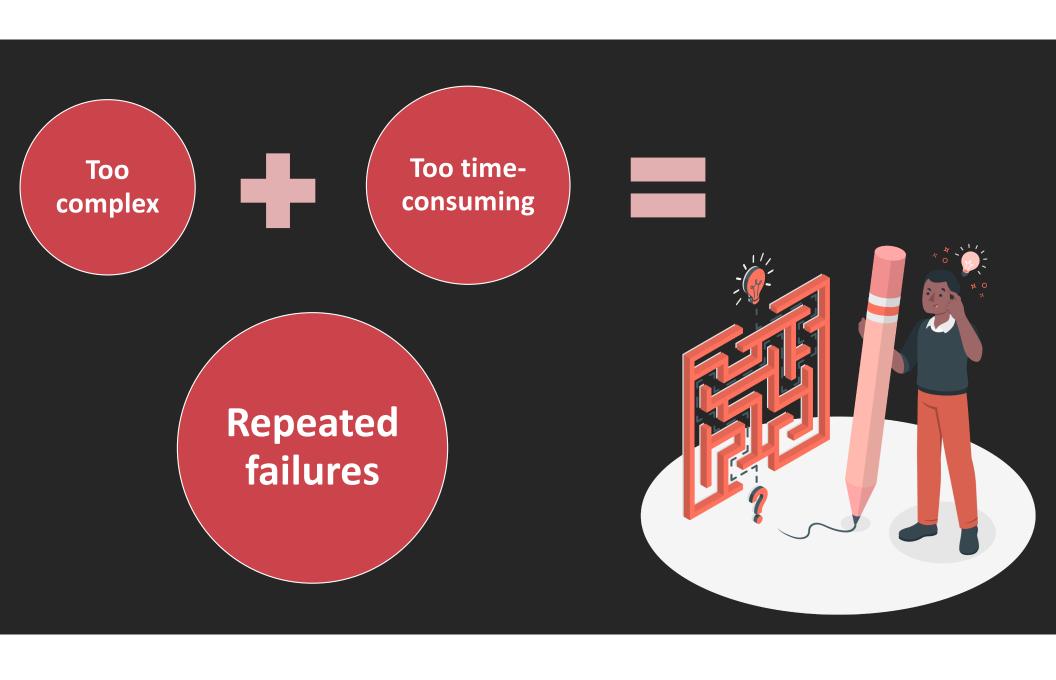
- Shortage of dermatologists (2.5 per 100,000)
- Highest number of pending consultations in Quebec
- 53,000 patients currently waiting



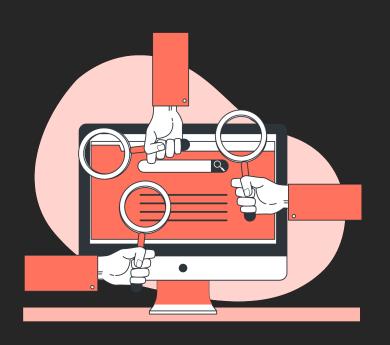








CURRENT PROBLEM



High numbers of patients are turning to digital resources for self-management.



TABLE V. Summary overview of eczema apps

1							Flow of information/direction		
	Language					d-user	Capturing patient data	Delivering educational content	
App name	French	English	Spanish	Other	Kids	Adults	Patient to app	App to patient	
EczemaQ	•	•				•	•	•	
EczemaWise*		•			•	•	•		
Eczema Mobile		•			•	•	•		
Eczema Outreach support		•							
iControl Eczema		•		Bahasa, Indonesia, Malay, Tagalog, Hànyǔ (中文), Tienkg Viet	٠		•		
My Eczema Team		•		German, Hànyǔ (中文)			•		
POEM my eczema tracker		•			•		•		
Imagine		•			•	•	•	•	
EczemaLess		•	•†		•	•	•	•	
Living with Eczema		•			•	•	•	•	
Vivre avec un Eczéma chronique	•						•		
Eczemafix†		•				•			
Eczema Fix†		•				•		•	
Eczema Disease		•						•	
Eczema Info		•						•	
PO-SCORAD	•	•	•	21 other languages available	•	•	•		
Itchy		•			•	•	•	•	
Eczema causes, diagnosis and management		•						•	
SCORAD		•				•	•		
Eczema 101		•				•		•	
Eczema Causes, Treatment, Symptoms and Prevention		•				•		•	

This summary is a nonexhaustive list, not a systematic review, and subject to rapid change.

^{*}Mobile app access limited to the United States, but Web-based applications can be accessed in other countries such as Canada.

[†]Requires user to provide personal data to change software display language.

Most eczema smartphone apps do not conform to clinical guidelines

Laura B von Kobyletzki ^{1 2}

- → evaluated all English, Chinese and Spanish language apps that support eczema self-management
- → majority did not conform with information in guidelines and insufficiently support evidence-based self-management

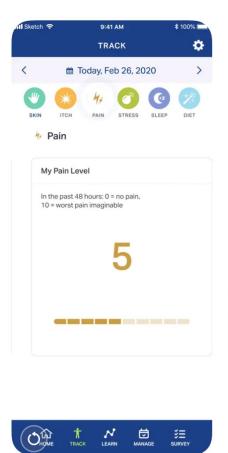
 > Br J Dermatol. 2020 Feb;182(2):444-453. doi: 10.1111/bjd.18152. Epub 2019 Jul 15.
- → large variance in the quality of eczema apps

Eczema apps conformance with clinical guidelines: a systematic assessment of functions, tools and content

L S van Galen 1 2, X Xu 1, M J A Koh 3, S Thng 4, J Car 1 5

need to ensure app quality and guide app selection for patients, caregivers and doctors

EczemaWise (NEA)









Patientguided

McGill COE AD patient advisory committee

Expertvalidated Physician advisory board from the McGill COE AD network

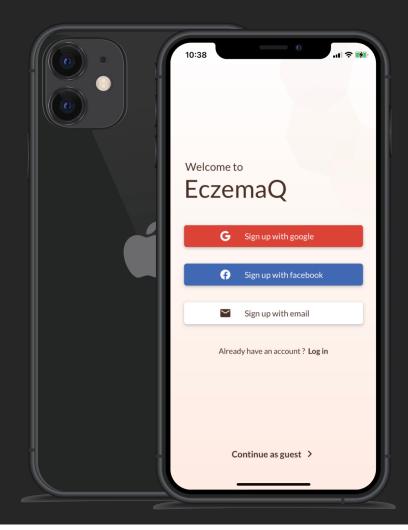
Welcome to EczemaQ Sign up with facebook Sign up with email Already have an account? Log in Continue as guest >



2021 McGill CLIC, Hakim Family Innovation Prize: *Most Transformative Innovation* (\$50,000)



2020 Canadian
Dermatology Foundation,
Public Education Award



mHealth tool for Atopic Dermatitis





Reduce burden of in-person knowledge translation



Gain efficiency for clinicians and patients



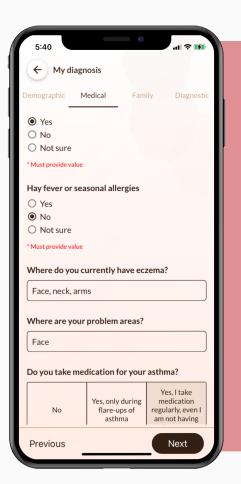


Remote Disease measurement

To comply with international guidelines
To sufficiently support evidence-based
self-management



Long-term reduction in cost

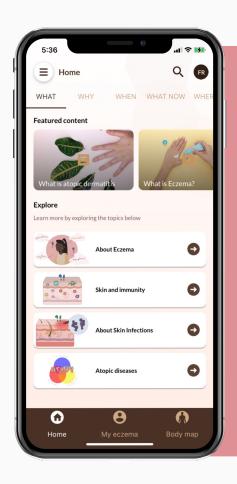


Diagnosis assistant



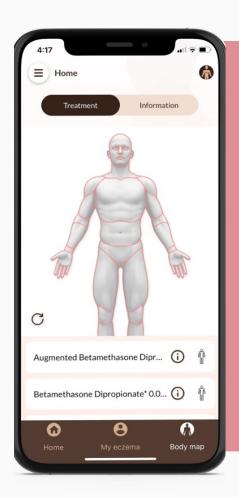
EczemaQ

Software-as-Medical-Device



Validated educational content

- What
- Why
- When
- What now
- Where



Body map





Disease tracking



Disease capture tool and photo gallery

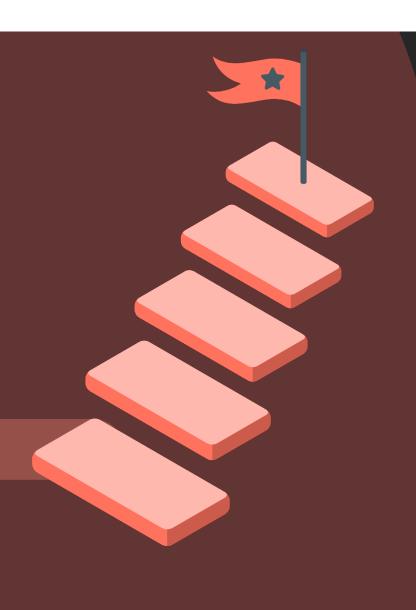


Bilingue

MAADO

the McGill Adult Atopic Dermatitis
Digital Outcomes Study
investigating use of mHealth tools
with adult atopic dermatitis
patients
N=24

Iterative study with healthcare providers and patients



MAADO Phase 1: Iterative Process

Evaluating the usability and acceptability of the beta version of the EczemaQ app

Optimizing the tool

Validation from patient end-users and clinical experts

Phase 2: Pilot RCT

Iterative Process Methodology

Participatory research

model: engagement of patientpartner interdisciplinary research team (patients, clinicians, researchers); addressing a patientuser identified need; end-user involvement in all aspects of the research process.

Mixed methods convergent

design: Collecting quantitative and qualitative data in parallel for the purpose of triangulation (social science approach, i.e., using more than one method to gather data to increase validity and reliability)

Mixed Methods

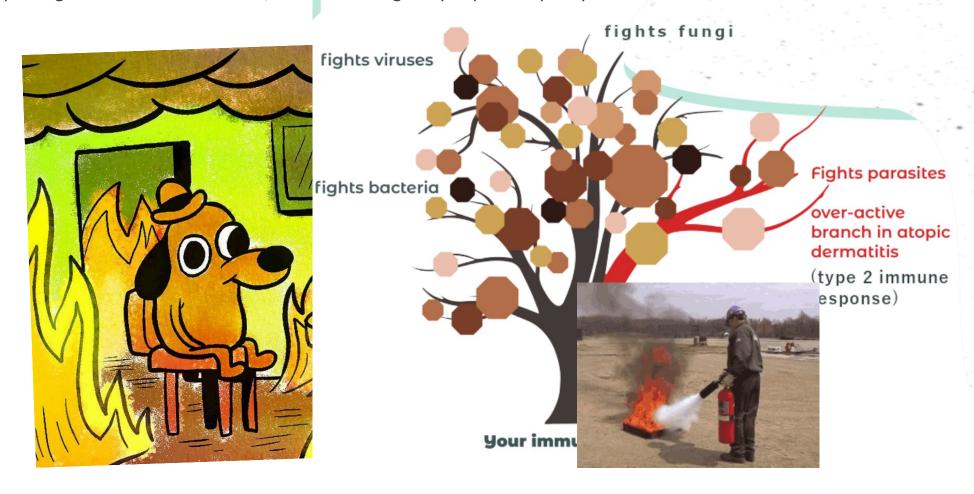
QUANTITATIVE QUALITATIVE

- Socio-demographic survey
- Technology Acceptance Model (TAM2)
 Questionnaire using 5 themes: perceived
 usefulness, ease of use, enjoyment,
 content satisfaction, overall satisfaction
- Patient Activation Measure (PAM)-13 evaluating patients' knowledge, skill, & confidence to take charge of their health condition

- Focus groups w 2 study arms (AD patients, clinical experts)
- Focus group interviews investigating satisfaction w user experience, and app content & usefulness for managing AD
- Transcription, inductive coding, and analysis

GOAL to work with patients to

✓ <u>Effective</u> topical and/or systemic pharmacotherapy can **disrupt the itch-scratch cycle and ↓ systemic inflammation**, improving mental health outcomes, and an overall greatly improved quality of life



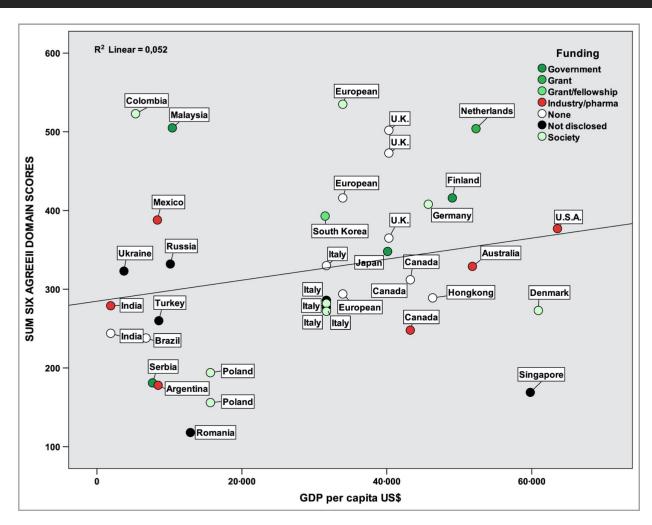


Figure 2 Gross domestic product (GDP) per capita vs. AGREE II sum-of-domain scores. Scatter plot with a simple linear regression line. Source GDP: https://data.worldbank.org/indicator/NY.GDP.PCAP.CD; GDP data for Taiwan and Asia were unavailable; the funding source is based on how it was reported in the guideline.

Table 3 Scoring results for AGREE II, a Institute of Medicine (IOM) and Red Flags

	AGREE II domains							IOM criteria		
,	Scope and	Stakeholder	Rigour of	Clarity of		Editorial	Fully	Partially	Not	Lenzer's
Guideline ^b	purpose	involvement	development	presentation	Applicability	independence	met	met	met	Red Flag
Colombia 2018 ²⁸	92	72	90	94	83	92	7	1	1	1
Netherlands 2019 ⁵¹	81	83	83	94	71	92	7	1	1	1
UK 2021 ⁶⁶	83	86	84	86	75	88	8	1	0	0
Europe 2021 ³²	97	92	97	97	94	58	8	1	0	1
Malaysia 2018 ⁴⁹	94	61	81	89	88	92	9	0	0	0
UK 2018 ⁶⁴	83	81	71	69	77	92	6	3	0	1
Finland 2016 ³⁴	61	75	72	81	52	75	5	3	1	3
Germany 2021 ³⁵	75	81	51	82	27	92	6	1	2	3
Europe 2018 ³⁰⁻³¹	64	83	69	86	31	83	6	3	0	2
USA 2017 ⁶⁷	78	72	59	78	27	63	5	2	2	5
South Korea 2016 ⁶⁰	67	44	83	78	33	88	6	3	0	0
taly 2019 ⁴³	72	50	38	72	19	79	1	4	4	3
Mexico 2018 ⁵⁰	97	69	53	75	44	50	0	6	3	3
UK 2016 ⁶⁵	61	47	72	58	56	71	6	3	0	2
Australia 2020 ¹⁴	72	56	46	78	31	46	2	4	3	6
Canada 2019 ²³⁻²⁷	72 72	44	32	78	23	63	0	6	3	7
India 2017		53	44	78 72	25	13	1	5	3	
apan 2019 ⁴⁶⁻⁴⁸	72	58		72 78	29		3	4	2	4
Hong Kong 2021 ³⁶	67	33	53 34			63				5
	50			64	33	75	1	4	4	3
taly 2021 ⁴²	75	58	30	67	23	29	0	6	3	3
Asia 2018 ¹³	72	33	51	61	38	25	0	6	3	5
India 2017 ³⁷⁻³⁹	28	25	27	78	23	63	1	6	2	3
Brazil 2019 ¹⁵	39	11	32	58	15	83	1	3	5	3
Europe 2020 ³³	50	53	26	64	52	50	0	6	3	5
Russia 2020 ⁵⁷	50	58	46	69	63	46	3	4	2	2
Ukraine 2016 ⁶³	56	61	39	67	58	42	1	4	4	3
Canada 2017 ¹⁶	58	64	23	69	40	58	0	4	5	4
taly 2020 ⁴⁵	58	42	31	69	23	63	0	4	5	4
taly 2018 ⁴¹	67	44	34	50	23	54	0	6	3	5
taly 2019 ⁴⁴	39	44	65	69	27	33	2	6	1	4
Denmark 2018 ²⁹	47	39	28	67	25	67	1	4	4	5
Гurkey 2018 ⁶²	50	33	32	64	35	46	0	3	6	4
Canada 2018 ¹⁷⁻²²	67	33	27	64	15	42	0	5	4	7
Argentina 2019 ¹²	50	19	21	56	19	13	0	5	4	6
Taiwan 2020 ⁶¹	47	25	19	50	10	42	2	4	3	3
Singapore 2016 ⁵⁹	42	25	17	50	10	2.5	0	1	8	4
Poland 2020 ⁵²⁻⁵⁴	17	25	15	56	10	33	0	3	6	4
Poland 2019 ⁵⁵	39	36	18	42	17	42	0	2	7	4
Serbia 2016 ⁵⁸	36	28	15	39	21	42	0	1	8	3
Romania 2019 ⁵⁶	31	14	2	47	10	Q	0	2	7	4

AACREE II access in management and Jamein (bishow in Letton) because Local on mumber of ACREE II Jameina accessing annullant (~ 700

Treatment Guidelines for Atopic Dermatitis Since the Approval of Dupilumab: A Systematic Review and Quality Appraisal Using AGREE-II

 Ghazal et al.

TABLE 4 Recommended time for initiation of dupilumab relative to other treatment modalities, after 1st-line measures and topicals.

Guideline				Туре	of approa	ach	
	Rapid sequential			Conservative sequential		Slow sequential	No consensus
	2A	2B	2C	3 A	3B	4A	
Ariens et al. (18)						×	
Boguniewicz et al. (31)		х					
Boguniewicz et al. (32)	Х						
Brar et al. (33)			Х				
Calzavara et al. (34)						×	
Damiani et al. (35)					x		
Lopes et al. (36)					X		
Lynde et al. (37)				х			
Nowicki et al. (42)	Х						
Smith et al. (38)				Х			
Thyssen et al. (39)							Х
Wollenberg et al. (40)					×		

- 2. Rapid sequential approach: Dupilumab 2nd (after topicals).
- 2A: As an equivalent to antimetabolite/conventional systemic therapies.
- 2B: preferred over antimetabolite/conventional systemic therapies or phototherapy.
- 2C: As an equivalent choice to phototherapy.
- 3. Conservative sequential approach: Dupilumab as 3rd line, (after topicals + 2nd intervention).
- 3A: 2nd = narrow band UVB (nbUVB) phototherapy.
- 3B: 2nd = antimetabolite/conventional systemic therapies.
- 4. Slow sequential approach: dupilumab as 4th line [after topicals+ 2nd (nbUVB) + 3rd (conventional systemic therapy)].
- 4A: 2nd = nbUVB, 3rd = conventional antimetabolite/conventional systemic therapies or vice versa or one conventional to another prior to dupilumab.

Treatment of secondary bacterial infections in eczema

Treatment	Antibiotic, dosage and course length
First-choice topicalif a topical antibiotic is appropriate (see recommendations 1.1.5 and 1.1.6)	Fusidic acid 2%: Apply three times a day for 5 to 7 days For localised infections only. Extended or recurrent use may increase the risk of developing antimicrobial resistance.
First-choice oralif an oral antibiotic is appropriate (see recommendations 1.1.5 to 1.1.7)	Flucloxacillin: 500 mg four times a day for 5 to 7 days
Alternative oral antibiotic for penicillin allergy or if flucloxacillin is unsuitable (for people who are not pregnant)	Clarithromycin: 250 mg twice a day for 5 to 7 days The dosage can be increased to 500 mg twice a day for severe infections.

NICE guideline NG190.: https://www.nice.org.uk/guidance/ng190 (last accessed 26 January 2022).

https://www.nice.org.uk/guidance/ng 190/evidence/evidence-review-pdf-9018188749

Antimicrobials

Efficacy of oral antibiotics

Evidence was from 1 systematic review of RCTs.

There were no statistically significant differences in clinical effectiveness, quality of life or microbiological outcomes for oral flucloxacillin compared with placebo in children with infected eczema. Both groups had corticosteroids and were encouraged to use emollients.

Some differences were seen in the presence of clinically apparent infection (definition unclear) at the end of treatment for oral cefadroxil compared with placebo in children with infected eczema (it was unclear whether topical corticosteroids were used in either group). However, there were no statistically significant differences in other clinical-effectiveness outcomes.

There were no differences in adverse events or withdrawals caused by adverse events for oral antibiotics (flucloxacillin or cefadroxil) compared with placebo in children with infected eczema.

<u>Table 3:</u> Mental health recommendations in clinical practice guidelines

	PUBLICATION	RECOMMEND			Manageme	ent recommen	dations			
	YEAR)	(AUTHORS, YEAR)	, ,	SCREENING	Patient Education Programs	Behavioral Therapy	Relaxation Techniques	Consulting Other Specialists	Psychological Support	Pharmacologic Intervention
1	Ariens et al. 2018				n/a					
2	Boguniewicz et al. 2018				n/a					
3	Boguniewicz et al. 2018				n/a					
4	Brar et al. 2019						X			
5	Calzavara et al. 2018					X				
6	Damiani et al. 2019			X	X					
7	Lopes et al. 2020			X						
8	Lynde et al. 2017				n/a					
9	Nowicki et al. 2020				n/a					
10	Smith et al.2019	X	X							
11	Thyssen et al. 2020	X	X			X				
12	Wollenberg et al. 2018		X	X	X					
13	Agache et al. 2021				n/a					
14	Alakeel et al. 2022	n/a								

Table 3: Mental health recommendations in clinical practice guidelines

	PUBLICATION (AUTHORS,	RECOMMEND SCREENING	Management recommendations								
	YEAR)				SCREENING	Patient Education Programs	Behavioral Therapy	Relaxation Techniques	Consulting Other Specialists	Psychological Support	Pharmacologic Intervention
15	Chan et al. 2020		X								
16	Costanzo et al. 2022				n/a						
17	Susanna et al. 2021	X									
18	Misery et al. 2021			X	X						
19	Nowicki et al. 2020				n/a						
20	Papp et al. 2021				n/a						
21	Saeki et al. 2021				X	X					
22	Sastre et al. 2020				n/a						
23	Torres et al. 2021	X									
24	Werfel et al. 2021				n/a						
25	Wollenberg et al. 2020	X	x	X	X			X			
26	Wollenberg et al. 2022		X	X	х	X					

^{**}recommended without modifications as per the AGREE-II instrument thresholds for CPG guidelines.

Treat-to-Target in Atopic Dermatitis: An International Consensus on a Set of Core Decision Points for Systemic Therapies

Marjolein DE BRUIN-WELLER¹, Tilo BIEDERMANN², Robert BISSONNETTE³, Mette DELEURAN⁴, Peter FOLEY⁵,⁶, Giampiero GIROLOMONI⁷, Jana HERCOGOVÁ⁶,⁷, Chih-Ho HONG¹⁰, Norito KATOH¹¹, Andrew E. PINK¹²,¹³, Marie-Aleth RICHARD¹⁴-¹⁶, Stephen SHUMACK¹⁷, Juan F. SILVESTRE¹Ց and Stephan WEIDINGER¹᠑

Reduction of at least 3 points

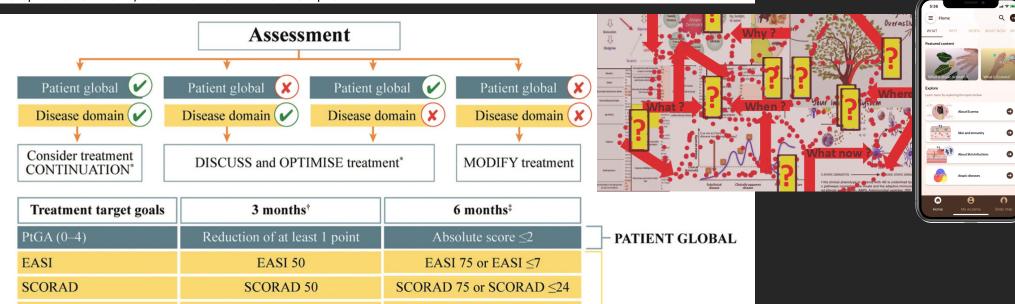
Reduction of at least 4 points

Reduction of at least 4 points

Peak Pruritus NRS (0–10)

DLQI

POEM



MENTAL HEALTH

Absolute score ≤4

Absolute score ≤5

Absolute score ≤7

DISEASE DOMAINS

