

This is a repository copy of The role of adult attachment orientation and coping in psychological adjustment to living with skin conditions.

White Rose Research Online URL for this paper: https://eprints.whiterose.ac.uk/125510/

Version: Accepted Version

Article:

Krasuska, M., Lavda, A., Thompson, A.R. orcid.org/0000-0001-6788-7222 et al. (1 more author) (2018) The role of adult attachment orientation and coping in psychological adjustment to living with skin conditions. British Journal of Dermatology, 178 (6). pp. 1396-1403. ISSN 0007-0963

https://doi.org/10.1111/bjd.16268

This is a pre-copyedited, author-produced version of an article accepted for publication in British Journal of Dermatology following peer review. The version of record M. Krasuska, A.C. Lavda, A.R. Thompson, A. Millings, The role of adult attachment orientation and coping in psychological adjustment to living with skin conditions, British Journal of Dermatology, Volume 178, Issue 6, 1 June 2018, Pages 1396–1403, is available online at: https://doi.org/10.1111/bjd.16268.

Reuse

Items deposited in White Rose Research Online are protected by copyright, with all rights reserved unless indicated otherwise. They may be downloaded and/or printed for private study, or other acts as permitted by national copyright laws. The publisher or other rights holders may allow further reproduction and re-use of the full text version. This is indicated by the licence information on the White Rose Research Online record for the item.

Takedown

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing eprints@whiterose.ac.uk including the URL of the record and the reason for the withdrawal request.



Title: The role of adult attachment orientation and coping in psychological adjustment to living with

skin conditions.

Running head: Attachment orientation and psychological adjustment to skin conditions

Word count: 2941, Table count: 3, Figure count: 2

Authors: M Krasuska¹, AC Lavda², AR Thompson¹ A Millings¹

¹Department of Psychology, University of Sheffield, Sheffield, UK

² Central Chesterfield Neighbourhood Team, Derbyshire Healthcare NHS Foundation Trust,

Chesterfield, UK

Corresponding author: Marta Krasuska, Department of Psychology, University of Sheffield, Floor D,

Cathedral Court,

1 Vicar Lane, Sheffield, S1

2LT, Phone: 01142226538,

email:

m.krasuska@sheffield.ac.uk.

Funding sources: This work was supported by a grant from British Skin Foundation (grant number

S924). British Skin Foundation was not involved in study design, data collection, data analysis, or

manuscript preparation.

Conflict of interest: The authors declare no conflict of interest.

What's already known about this topic? Skin conditions can be associated with significant

psychological impact including impact on everyday functioning and intimate relationships. Personal

characteristics such as attachment orientation conceptualised in terms of two dimensions:

attachment avoidance and attachment anxiety, can affect adjustment to skin conditions with

preliminary evidence suggesting that insecure attachment (characterised by either high attachment

avoidance, high attachment anxiety or both) can be associated with poorer outcomes.

What does this study add? This study provides evidence that insecure attachment is associated with

wider forms of lowered psychological adjustment (higher appearance related distress and poorer

1

quality of life). This association is partially explained by more frequent use of defeatism coping strategies, and in the case of appearance related distress also activity coping strategies. Consequently, people with insecure attachment might benefit from attachment oriented psychological interventions.

Abstract

Background: Skin conditions can be associated with significant psychological distress. Investigation of attachment orientation and associated use of coping strategies is a promising perspective from which to investigate psychological adjustment to skin conditions.

Objectives: To examine the role of adult attachment orientation, conceptualised as two dimensions: attachment avoidance and attachment anxiety, in psychological adjustment (appearance related distress and skin related quality of life) and the mediating role of two coping strategies: defeatism and activity.

Methods: Attachment avoidance and attachment anxiety (ECR), use of coping strategies (COPE), appearance related distress (DAS 24) and skin related quality of life (Skindex-16) were assessed through a cross-sectional online survey in 207 adults with skin conditions. Multiple mediation analyses were performed using PROCESS path analysis.

Results: Overall, higher attachment avoidance and higher attachment anxiety were associated with higher appearance related distress and greater impact on emotions and functioning aspects of quality of life. For attachment anxiety, the relationship was fully explained by more frequent use of defeatism coping. For attachment avoidance, the relationship was partially explained by more frequent use of defeatism coping (and in the case of appearance related distress also more frequent use of activity coping), and higher attachment avoidance was also associated with poorer psychological adjustment in a way that could not be explained by use of assessed coping strategies.

Conclusions: Insecure attachment orientation (high attachment avoidance or high attachment anxiety) is linked to poorer adjustment. People with insecure attachment might benefit from psychological interventions that target underlying attachment orientation.

INTRODUCTION

Skin conditions can be associated with significant psychological impact including impact on everyday functioning and intimate relationships. ^{1,2} The potentially visible nature of skin conditions can result in unwanted reactions from others and interfere with social interactions, causing social anxiety, fear of negative evaluations and appearance related concerns. ³ There is variation in adjustment with some people experiencing few negative impacts and others reporting significant distress. ⁴ Importantly, clinical and demographic factors do not appear to be strong predictors of distress severity. ^{5,6} This indicates a need for investigating individual difference factors, to better understand what determines psychological adjustment to skin conditions, and attachment theory can provide a useful framework for this.

Attachment theory postulates that our experiences of care in close relationships throughout life become internalised as an 'attachment orientation' - a trait like factor that influences how a person manages distress, and the extent to which they seek support from close relationship partners (including parents, friends, and romantic partners). ^{7,8} In adulthood, attachment orientation has been conceptualised in terms of two dimensions: avoidance of intimacy and anxiety about abandonment. ⁹ When an individual has consistently received care from others that is responsive and supportive, they develop a secure attachment orientation and exhibit low levels of avoidance and anxiety. When an individual has consistently received rejecting care from others, they develop an attachment orientation that is high in avoidance. Attachment avoidance is associated with discomfort with closeness and use of deactivating affect regulation strategies to cope with distress, such suppressing the distress.. When an individual has typically received inconsistent or insensitive care from others, they develop an attachment orientation that is high in anxiety. Attachment anxiety is linked with intense worries about being rejected, and use of hyperactivating affect regulation strategies, such as intensifying distress in a bid to secure support from others.

Attachment orientation predicts how well people cope with chronic health conditions. ¹⁰ A number of studies report a relationship between adult attachment and stress-responsive physiological systems. ¹¹ Indeed, there is emerging evidence that individual differences in attachment orientation are influential in the repair following skin damage. ¹² Insecure attachment, characterised by either high attachment avoidance, or high attachment anxiety, or both, has been found to be associated with higher depressive symptoms in individuals with hepatitis C and lower health related quality of life in people with HIV/AIDS. ^{13,14} Secure attachment has been linked with higher wellbeing in people living with HIV/AIDS. ¹⁵

Use of coping strategies has been investigated as a mechanism through which attachment orientation influences adjustment to health conditions. High attachment avoidance has been linked with avoidance and passive resignation, while high attachment anxiety has been linked with negative emotional coping (e.g., ruminating). Both result in poorer adjustment in a variety of conditions including morbid obesity, cancer, type 1 diabetes and alopecia. 16-18 Conversely, secure attachment has been associated with use of problem oriented coping and social support seeking in one study. 17 Because of the visible nature of skin conditions and their impact on interpersonal relationships specifically, ^{19,20} and because of the intensely relational nature of attachment orientation, attachment theory is a promising perspective from which to investigate psychological adjustment in people living with skin conditions. However, while there is a wealth of research linking attachment orientation to coping with other health conditions, ^{10,21} and to psychological adjustment generally, ^{22,23} to date, there is little research with skin conditions. The few available studies suggest that insecure attachment is associated with greater negative impact on quality of life in atopic dermatitis ^{24,25} and alopecia. ²⁶ There is also a lack of investigation of the mechanisms underlying the relationship between attachment and psychological adjustment, such as use of different coping strategies.

The present study aimed to investigate the role of attachment orientation in psychological adjustment to living with skin conditions and the mediating role of different coping strategies. The study focused on two indicators of psychological adjustment that are especially relevant to skin conditions: appearance related distress and skin related quality of life. Appearance related distress is a broad concept referring to a range of psychological difficulties such as self-consciousness, social avoidance, and poor self-esteem. ²⁷ Skin related quality of life is a concept well established in dermatology, with previous studies demonstrating the significant impact skin conditions may have on everyday functioning. ²⁸

One potential mechanism, through which attachment orientation might influence psychological adjustment, is via the use of different coping strategies. We aimed to test the mediating effect of two coping dimensions with a potential to be determined by attachment orientation: defeatism coping and activity coping. ²⁹ Defeatism coping is characterised by use of coping strategies such as giving up, turning to drugs and alcohol, or denial. A low score on defeatism coping indicates resilience. Activity coping is characterised by use of strategies such as getting help and advice from other people, venting, humour or coming up with a plan. A low score on activity coping indicates passivity. ²⁹

Figure 1 shows a conceptual model of the role of adult attachment orientation and coping in psychological adjustment to living with skin conditions. Based on the previous research on attachment orientation and coping, we hypothesised that: higher attachment avoidance and higher attachment anxiety will lead to more frequent use of defeatist coping strategies, which in turn will lead to poorer psychological adjustment. Additionally, we hypothesised that higher attachment avoidance and higher attachment anxiety will lead to less frequent use of active coping strategies, which in turn will also lead to poorer psychological adjustment.

[Please insert Figure 1 here]

METHOD

Study design

This was a cross-sectional online survey study. Ethical approval was obtained from the institutional Research Ethics Committee. At the end of the survey participants could elect to be entered into a prize draw to win five £10 and one £50 vouchers.

Participants

Participants were recruited online through university staff and students volunteer lists, and through advertisements on websites and newsletters of skin related charities. The inclusion criteria were: being over 18 years of age, being diagnosed with a skin condition by a health care professional and experiencing symptoms over the last 6 months.

Measures

Participants completed measures of adult attachment orientation, coping, appearance related distress and skin related quality of life (QoL). Information on age, gender, level of education, type of skin condition and duration of condition were collected. ¹

The two dimensions of adult attachment orientation were assessed using the Experience in Close Relationship Scale (ECR), a validated 36 items measure that consists of two subscales: attachment avoidance (18 items, e.g., 'I find it difficult to allow myself to depend on close relationship partners') and attachment anxiety (18 items, e.g., 'I worry about being rejected or abandoned'). ⁹ Each item from the measure is assessed on a 1 (Strongly disagree) to 7 (Strongly agree) scale. The scores for the two dimensions are calculated separately by averaging the scores for the subscale items, and can vary from 1 to 7 with higher scores indicating higher attachment avoidance and higher attachment anxiety. The measure has excellent reliability and validity. ⁹

Appearance related distress was measured using the Derriford Appearance Scale Short Form (DAS 24). ³⁰ This measure assesses distress including fear, social anxiety, shame, negative affect and

¹ The study survey is available from the corresponding author on request.

behavioural problems such as avoidance and withdrawal from social interactions in relation to the respondent's appearance. The original version of the measure focused on the respondent's primary area of concern with regards to any aspect of their appearance. However, for the purpose of this study, we modified the questionnaire (with the author's permission) so that the questions related specifically to the skin. Items are scored on a 1 to 4 scale. The total score ranged from 11 to 96, with higher score indicating higher appearance related distress. The scale has good reliability and validity.

Defeatism and activity coping strategies were assessed using the Brief COPE (28 items). ³¹ Participants were asked to rate how frequently they use a particular coping strategy to deal with their skin condition on a scale from 1 (I haven't been doing this at all) to 4 (I've been doing this a lot). The items were then grouped into activity coping (17 items, e.g., 'I've been trying to come up with a strategy about what to do.') and defeatism coping (11 items, e.g., 'I've been saying to myself 'this isn't real.'). ²⁹ The possible score for both scales was 1 to 4 with higher scores indicating more frequent use of defeatism or activity coping strategies. The two dimensions have excellent reliability and validity. ²⁹

Finally, Skindex-16 was used to assess skin related QoL. The measure assesses three types of impact: QoL symptoms (4 items, e.g., 'Your skin condition itching'), QoL emotions (6 items e.g., 'Feeling depressed about your skin condition') and QoL functioning relating to impact of skin condition on social and romantic interactions and ability to perform daily activities (5 items, e.g., 'Effects of your skin condition on your interactions with others'). ³² For each statement participants were asked to rate on a scale of 1 (Never bothered) to 7 (Always bothered). The possible range for each subscale is 0 to 100 with higher scores indicating higher impact. Skindex-16 has excellent reliability and validity.

Analysis

We used PROCESS path analysis to investigate direct and indirect effects ³³ (through defeatism and activity coping) of attachment avoidance and attachment anxiety on psychological adjustment in people living with skin conditions (Figure 1). Separate analyses were conducted for the following indicators of psychological adjustment: appearance related distress, QoL symptoms, QoL emotions and QoL functioning. Bootstrap confidence intervals (95% CI) with 10,000 resamples were used to investigate the significance of indirect effects. ³⁴ The effects were assumed to be significant if '0' fell outside the confidence intervals. When more than one indirect effect was significant for one of the predictors (i.e., attachment avoidance or attachment anxiety) we performed contrast analysis to investigate if the mediators differ from one another. ³⁵ Analyses for attachment avoidance were performed controlling for attachment anxiety and analyses for attachment anxiety were performed controlling for attachment avoidance. Additionally, we controlled for age and gender in all analyses. Due to some limited missing data for age, analyses containing age were performed on data from 200 participants. SPSS version 23 and PROCESS ³⁴ were used to analyse the data.

RESULTS

Characteristics of the study sample

In total 206 individuals completed the study, of which 156 (75.7%) accessed the survey through university volunteering list and 50 (24.3%) via charities. The demographic and clinical characteristics of participants are described in Table 1.

[Insert Table 1 here]

Correlations

Bivariate associations between study variables are shown in Table 2. Higher attachment avoidance and higher attachment anxiety were significantly associated with higher appearance related distress, higher impact on QoL in terms of both emotions and functioning, and with more frequent use of defeatism coping strategies. Additionally, both defeatism and activity coping were significantly

associated with higher appearance related distress and higher impact on all three aspects of skin related QoL. With an exception of significant positive association between age and impact on QoL functioning, there were no significant associations between age and gender and other variables.

[Please insert Table 2 here]

Mediation analyses

The results of the multiple mediation analyses indicated that both attachment avoidance and attachment anxiety had direct and indirect effects on the psychological adjustment to living with skin conditions including effects on appearance related distress, and QoL in relation to both emotions and functioning (Figure 2 and Table 3). No evidence of direct or indirect effects of either attachment avoidance or attachment anxiety on the symptoms subscale of QoL was found. ²

[Please insert Table 3 here]

For appearance related distress, higher attachment avoidance (controlling for attachment anxiety; Figure 2 and Table 3) was significantly related to more appearance related distress through more frequent use of defeatism coping strategies (indirect beta coefficient 0.87) and less frequent use of activity coping strategies (indirect beta coefficient -0.36). Additionally, attachment avoidance had a direct effect (not explained by the use of either defeatism or activity coping strategies) on appearance related distress, so that higher attachment avoidance was associated with more appearance related distress (direct beta coefficient 6.82). Attachment anxiety (controlling for attachment avoidance) was significantly related to appearance related distress through the use of defeatism coping strategies (indirect beta coefficient 1.38), i.e., higher attachment anxiety was related to more frequent use of defeatism coping strategies which in turn was associated with higher appearance related distress. The direct effect of attachment anxiety was not significant (direct beta coefficient 1.16).

_

² Results of the multiple mediation analysis for the symptoms subscale of QoL were not a focus and are not displayed in this paper, but are available from the authors upon request (no significant relationships were found).

[Please insert Figure 2 here]

Similar patterns were found in the case of effects on QoL emotions and QoL functioning. Higher attachment avoidance (controlling for attachment anxiety) was significantly related to higher impact on QoL emotions (indirect beta coefficient 1.87) and on QoL functioning (indirect beta coefficient 1.78) through the more frequent use of defeatism coping strategies (Figure 2 and Table 3). Additionally, higher attachment avoidance had a direct effect (not explained by the use of either defeatism or activity coping strategies) on higher impact on QoL emotions (direct beta coefficient 6.61) and on QoL functioning (direct beta coefficient 11.70). Higher attachment anxiety (controlling for attachment avoidance) was significantly related to higher impact on QoL emotions (indirect beta coefficient 2.97) and QoL functioning (indirect beta coefficient 2.83) through more frequent use of defeatism coping strategies. Same as in the case of appearance related distress, the direct effect of attachment anxiety on QoL emotions (direct beta coefficient -0.46) and QoL functioning (direct beta coefficient -0.70) was not significant.

The proposed models explained between a quarter and half of the variance in outcome measures (48% for appearance related distress, 38% for QoL functioning, 28% for QoL emotions). All three presented models were significant at the p < .001 level (Table 3).

DISCUSSION

To the best of our knowledge, this was the first study to comprehensively examine the role of attachment orientation and the mediating role of copings strategies in psychological adjustment across a range of skin conditions. Our initial hypothesis about the impact of attachment and the mediating role of coping on psychological adjustment were largely confirmed. We found that insecure attachment orientations (i.e., high attachment avoidance or high attachment anxiety) were associated with higher appearance related distress and greater impact on emotions and functioning aspects of QoL. For attachment anxiety, the relationship was fully explained by the more frequent use of defeatism coping strategies, so that people higher on attachment anxiety used more

defeatism coping strategies, which accounted for the negative impact on psychological adjustment. For attachment avoidance, more frequent use of defeatism coping strategies (and in the case of appearance related distress more frequent use of activity coping strategies) partially explained the relationship. Higher attachment avoidance was related to higher appearance related distress and impact on QoL in a way that was not fully explained by the use of the assessed coping strategies. It might be that some of the impact of attachment avoidance therefore operated via mechanisms that were not measured in this study, or that the impact on adjustment to skin conditions was direct.

Interestingly, contrary to our hypotheses activity coping did not mediate between the two attachment dimensions and impact on emotional and functioning QoL. Furthermore, higher attachment avoidance was associated with more frequent use of activity coping strategies (and not as hypothesised with less frequent use), which in turn led to more appearance related distress (and not as hypothesised less appearance related distress). There are mixed findings in the literature with some studies supporting this apparently counter-intuitive result, ^{36,37} and other studies not finding a relationship between attachment orientation and problem-oriented coping. ^{36,39} More work is needed to understand how and under what conditions attachment orientation shapes use of coping strategies. Interestingly, activity coping in our study was associated with poorer psychological adjustment, regardless of attachment orientation. Our surprising results suggest that in chronic health conditions, where symptoms can only be controlled to an extent, continued use of activity coping strategies of proactive coping strategies might lead to worse outcomes, potentially by hindering acceptance. More research is needed to understand how and under what conditions attachment orientation shapes use of coping strategies, and to investigate the relationship between attachment and acceptance in long-term skin conditions.

The cross-sectional design of this study limits the potential to establish the direction of the influence of the investigated variables. Future longitudinal research would be encouraged to confirm the directionality of the proposed model. In addition, our study focused on two broad categories of

coping (defeatism and activity coping). It is possible that there are relationships between more specific types of coping (e.g., rumination, acceptance) and attachment orientation that were not captured in our study. Future studies might investigate other types of coping as well as other mechanisms that might mediate between attachment orientation and psychological adjustment. Additionally, our individual sample size for different skin conditions (e.g., eczema, acne) were too small to perform separate analyses with sufficient power. Consequently, further studies are required to investigate the role of attachment orientation with specific skin conditions.

In terms of the clinical implications of our findings, two points are worth noting. Firstly, the findings suggest that psychological interventions need to be based upon addressing underlying psychological constructs likely to play a role in coping and adjustment such as attachment orientation. ^{40,41} In addition, given the finding that there was a direct effect of attachment orientation upon adjustment, people with insecure attachment might specifically require one-to-one psychotherapy which is known to be useful with issues relating to interpersonal functioning. ⁴² Clearly, further studies are needed to examine both the psychosocial and physiological benefits that more in-depth psychotherapies of this type might provide to people distressed by skin conditions.

REFERENCES

- 1 Rapp SR, Feldman SR, Exum ML *et al.* Psoriasis causes as much disability as other major medical diseases. *Journal of the American Academy of Dermatology* 1999; **41**: 401-7.
- 2 Harlow D, Poyner T, Finlay AY *et al.* Impaired quality of life of adults with skin disease in primary care. *British Journal of Dermatology* 2000; **143**: 979-82.
- Loney T, Standage M, Lewis S. Not just 'skin deep' Psychosocial effects of dermatological-related social anxiety in a sample of acne patients. *Journal of Health Psychology* 2008; **13**: 47-54.
- 4 Mazzotti E, Mastroeni S, Lindau J *et al.* Psychological distress and coping strategies in patients attending a dermatology outpatient clinic. *Journal of the European Academy of Dermatology and Venereology* 2012; **26**: 746-54.
- Mattei PL, Corey KC, Kimball AB. Psoriasis Area Severity Index (PASI) and the Dermatology

 Life Quality Index (DLQI): the correlation between disease severity and psychological burden in patients treated with biological therapies. *Journal of the European Academy of Dermatology and Venereology* 2014; **28**: 333-7.
- 6 Moss TP. The relationships between objective and subjective ratings of disfigurement severity, and psychological adjustment. *Body image* 2005; **2**: 151-9.
- 7 Mikulincer M, Shaver PR. *Attachment in Adulthood: Structure, Dynamics and Change*. New York: The Guilford Press. 2007.
- 8 Bowlby J. Attachment and loss. Vol. 1, Attachment. London: Hogarth. 1969.
- 9 Brennan KA, Clark CL, Shaver PR. Self-report measurement of adult romantic attachment: :

 An integrative overview. In: *Attachment theory and close relationships*. New York: Guilford Press. 1998; 46-76.
- Nicholls W, Hulbert-Williams N, Bramwell R. The role of relationship attachment in psychological adjustment to cancer in patients and caregivers: a systematic review of the literature. *Psycho-Oncology* 2014; **23**: 1083-95.

- Brooks KP, Robles TF, Schetter CD. Adult attachment and cortisol responses to discussions with a romantic partner. *Personal Relationships* 2011; **18**: 302-20.
- Robles TF, Brooks KP, Kane HS *et al.* Attachment, skin deep? Relationships between adult attachment and skin barrier recovery. *International Journal of Psychophysiology* 2013; **88**: 241-52.
- Sockalingam S, Blank D, Abdelhamid N *et al.* Identifying opportunities to improve management of autoimmune hepatitis: Evaluation of drug adherence and psychosocial factors. *Journal of Hepatology* 2012; **57**: 1299-304.
- Martin LA, Vosvick M, Riggs SA. Attachment, forgiveness, and physical health quality of life in HIV plus adults. *Aids Care-Psychological and Socio-Medical Aspects of Aids/Hiv* 2012; **24**: 1333-40.
- Turner-Cobb JM, Gore-Felton C, Marouf F *et al.* Coping, social support, and attachment style as psychosocial correlates of adjustment in men and women with HIV/AIDS. *Journal of Behavioral Medicine* 2002; **25**: 337-53.
- Schmidt S, Nachtigall C, Wuethrich-Martone O *et al.* Attachment and coping with chronic disease. *Journal of Psychosomatic Research* 2002; **53**: 763-73.
- And Mental and Physical Health in Patients Suffering from Morbid Obesity.

 International Journal of Psychiatry in Medicine 2014; 47: 75-91.
- Turan B, Osar Z, Turan JM *et al.* Dismissing attachment and outcome in diabetes: The mediating role of coping. *Journal of Social and Clinical Psychology* 2003; **22**: 607-26.
- 19 Thompson AR, Kent G, Smith JA. Living with vitiligo: Dealing with difference. *British Journal* of Health Psychology 2002; **7**: 213-25.
- 20 Kent G, AlAbadie M. Psychologic effects of vitiligo: A critical incident analysis. *Journal of the American Academy of Dermatology* 1996; **35**: 895-8.

- 21 Maunder RG, Hunter JJ. Attachment and psychosomatic medicine: Developmental contributions to stress and disease. *Psychosomatic Medicine* 2001; **63**: 556-67.
- Sirois FM, Millings A, Hirsch JK. Insecure attachment orientation and well-being in emerging adults: The roles of perceived social support and fatigue. *Personality and Individual Differences* 2016; **101**: 318-21.
- 23 Malik S, Wells A, Wittkowski A. Emotion regulation as a mediator in the relationship between attachment and depressive symptomatology: A systematic review. *Journal of Affective Disorders* 2015; **172**: 428-44.
- Rabung S, Ubbelohde A, Kiefer E *et al.* Attachment security and quality of life in atopic dermatitis. *Psychotherapie Psychosomatik Medizinische Psychologie* 2004; **54**: 330-8.
- Dieris-Hirche J, Milch WE, Kupfer J *et al.* Atopic Dermatitis, Attachment and Partnership: A Psychodermatological Case-control Study of Adult Patients. *Acta Dermato-Venereologica* 2012; **92**: 462-6.
- Schmidt S. Female alopecia: the mediating effect of attachment patterns on changes in subjective health indicators. *British Journal of Dermatology* 2003; **148**: 1205-11.
- 27 Rumsey N, Harcourt D. Body image and disfigurement: issues and interventions. *Body image* 2004; **1**: 83-97.
- Both H, Essink-Bot ML, Busschbach J *et al.* Critical review of generic and dermatology-specific health-related quality of life instruments. *J. Invest. Dermatol.* 2007; **127**: 2726-39.
- 29 Mohr C, Braun S, Bridler R *et al.* Insufficient Coping Behavior under Chronic Stress and Vulnerability to Psychiatric Disorders. *Psychopathology* 2014; **47**: 235-43.
- Carr T, Moss T, Harris D. The DAS24: A short form of the Derriford Appearance Scale DAS59 to measure individual responses to living with problems of appearance. *British Journal of Health Psychology* 2005; **10**: 285-98.
- Carver CS. You want to measure coping but your protocol's too long: Consider the brief COPE. *International Journal of Behavioral Medicine* 1997; **4**: 92-100.

- Chren MM, Lasek RJ, Sahay AP *et al.* Measurement properties of Skindex-16: A brief quality-of-life measure for patients with skin diseases. *Journal of Cutaneous Medicine and Surgery* 2001; **5**: 105-10.
- Hayes AF. Introduction to Mediation, Moderation, and Conditional Process Analysis. A Regression-Based Approach. New York: Guilford Publications. 2013.
- 34 Hayes AF. Introduction to Mediation, Moderation, and Conditional Process Analysis. A Regression-Based Approach. New York: Guilford Publications. 2013.
- Preacher KJ, Hayes AF. Asymptotic and resampling strategies for assessing and comparing indirect effects in multiple mediator models. *Behavior Research Methods* 2008; **40**: 879-91.
- Schmidt S, Strauss B, Braehler E. Subjective physical complaints and hypochondriacal features from an attachment theoretical perspective. *Psychology and Psychotherapy-Theory Research and Practice* 2002; **75**: 313-32.
- Lussier Y, Sabourin S, Turgeon C. Coping strategies as moderators of the relationship between attachment and marital adjustment. *Journal of Social and Personal Relationships* 1997; **14**: 777-91.
- Mikulincer M, Florian V, Weller A. Attachment styles, coping strategies, and posttraumatic psychological distress the impact of the gulf-war in Israel. *Journal of Personality and Social Psychology* 1993; **64**: 817-26.
- Mikulincer M, Florian V. Appraisal of and coping with a real-life stressful situation the contribution of attachment styles. *Personality and Social Psychology Bulletin* 1995; **21**: 406-14.
- Montgomery K, Norman P, Messenger AG *et al.* The importance of mindfulness in psychosocial distress and quality of life in dermatology patients. *British Journal of Dermatology* 2016; **175**: 930-6.

- Kelly AC, Zuroff DC, Shapira LB. Soothing Oneself and Resisting Self-Attacks: The Treatment of Two Intrapersonal Deficits in Depression Vulnerability. *Cognitive Therapy and Research* 2009; **33**: 301-13.
- 42 Lipsitz JD, Markowitz JC. Mechanisms of change in interpersonal therapy (IPT). *Clin. Psychol.***Rev. 2013; 33: 1134-47.

Table 1: Participants characteristics (age, gender, level of education, type of skin condition, duration of the skin condition) and descriptive characteristics of the investigated variables (attachment avoidance, attachment anxiety, coping defeatism, coping activity, appearance related distress, QoL symptoms, QoL emotions, QoL functioning)

N = 206 Mean (SD) Range Age* 30.85 (12.31) 18 - 65 Attachment avoidance 3.54 (0.91) 1.67 - 6 Attachment anxiety 3.55 (1.12) 1 - 6 Coping defeatism 1.46 (0.43) 1 - 3.36 Coping activity 2.14 (0.50) 1 - 3.59 Appearance r. distress 43.91 (14.96) 17 - 93 QoL symptoms 38.55 (28.72) 0 - 100 QoL emotions 58.52 (29.61) 0 - 100 QoL functioning 29.32 (28.60) 0 - 100 Postgraduate qualification 44 (21.4) Degree level qualification 27 (13.1) Higher educational qualification below degree level 44 (21.4) A level or equivalent 8 (3.9) Other or don't know 7 Type of the skin condition 8 (3.9) Eczema 68 (33.0) Acne 45 (21.8) Vitiligo 38 (18.4) Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4)			
Attachment avoidance Attachment anxiety 3.55 (1.12) 1 - 6 Coping defeatism 1.46 (0.43) 1 - 3.36 Coping activity 2.14 (0.50) 1 - 3.59 Appearance r. distress 43.91 (14.96) 17 - 93 QoL symptoms 38.55 (28.72) QoL emotions QoL emotions 29.32 (28.60) QoL functioning 29.32 (28.60) Females Education Postgraduate qualification Postgraduate qualification Pegree level qualification Higher educational qualification below degree level A level or equivalent Other or don't know Type of the skin condition Eczema Acne Vitiligo Acne Vitiligo Psoriasis Ichthyosis Rosacea Darier's disease Other Duration of the skin condition Less than 1 year Between 1 and 3 years Between 5 and 10 years Between 5 and 10 years Between 10 and 20 years 13.55 (1.12) 1 - 6 1 - 6 1 - 6 1 - 6 1 - 3.3	N = 206	Mean (SD)	Range
Attachment anxiety Coping defeatism Coping defeatism 1.46 (0.43) 1 - 3.36 Coping activity 2.14 (0.50) 1 - 3.59 Appearance r. distress 43.91 (14.96) 17 - 93 QoL symptoms 38.55 (28.72) 0 - 100 QoL emotions 58.52 (29.61) 0 - 100 QoL functioning 29.32 (28.60) 0 - 100 Postgraduate qualification Postgraduate qualification Postgraduate qualification Higher educational qualification below degree level A level or equivalent Other or don't know Type of the skin condition Eczema Acne 45 (21.8) Vitiligo 38 (18.4) Psoriasis Ichthyosis Rosacea 5 (2.4) Darier's disease Other Duration of the skin condition Less than 1 year Between 1 and 3 years Between 3 and 5 years Between 5 and 10 years Between 10 and 20 years 63 (31.1) 1 - 3.36 1 - 3.36 1 - 3.36 1 - 3.36 1 - 3.36 1 - 3.39 1 - 3	Age*	30.85 (12.31)	18 - 65
Coping defeatism 1.46 (0.43) 1 - 3.36 Coping activity 2.14 (0.50) 1 - 3.59 Appearance r. distress 43.91 (14.96) 17 - 93 QoL symptoms 38.55 (28.72) 0 - 100 QoL emotions 58.52 (29.61) 0 - 100 QoL functioning 29.32 (28.60) 0 - 100 Number (%) Females 161 (78.2) Education Postgraduate qualification Postgraduate qualification Higher educational qualification below degree level A level or equivalent 59 (28.6) Other or don't know Type of the skin condition Eczema 68 (33.0) Acne 45 (21.8) Vitiligo 38 (18.4) Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4) Darier's disease 5 (2.4) Other 16 (7.8) Durati	Attachment avoidance	3.54 (0.91)	1.67 - 6
Coping activity 2.14 (0.50) 1 - 3.59 Appearance r. distress 43.91 (14.96) 17 - 93 QoL symptoms 38.55 (28.72) 0 - 100 QoL emotions 58.52 (29.61) 0 - 100 QoL functioning 29.32 (28.60) 0 - 100 Number (%) Females Education Postgraduate qualification Postgraduate qualification 27 (13.1) Higher educational qualification below degree level A level or equivalent 59 (28.6) Other or don't know Type of the skin condition Eczema 68 (33.0) Acne 45 (21.8) Vitiligo 38 (18.4) Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4) Other 16 (7.8) Duration of the skin condition Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 5 and 10 years	Attachment anxiety	3.55 (1.12)	1 - 6
Appearance r. distress	Coping defeatism	1.46 (0.43)	1 - 3.36
QoL symptoms 38.55 (28.72) 0 - 100 QoL emotions 58.52 (29.61) 0 - 100 Number (%) Females 161 (78.2) Education 44 (21.4) Degree level qualification 27 (13.1) Higher educational qualification below degree level 59 (28.6) A level or equivalent 8 (3.9) Other or don't know Type of the skin condition 68 (33.0) Acne 45 (21.8) Vitiligo 38 (18.4) Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4) Darier's disease 5 (2.4) Other 16 (7.8) Duration of the skin condition 12 (5.8) Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Coping activity	2.14 (0.50)	1 - 3.59
QoL emotions 58.52 (29.61) 0 - 100 QoL functioning 29.32 (28.60) 0 - 100 Number (%) Females 161 (78.2) Education 44 (21.4) Degree level qualification Postgraduate qualification 27 (13.1) Higher educational qualification below degree level A level or equivalent 8 (3.9) Other or don't know Type of the skin condition Eczema 68 (33.0) Acne 45 (21.8) Vitiligo 38 (18.4) Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4) Other 16 (7.8) Duration of the skin condition Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Appearance r. distress	43.91 (14.96)	17 - 93
QoL functioning 29.32 (28.60) 0 - 100 Females 161 (78.2) Education 27 (13.1) Postgraduate qualification 27 (13.1) Higher educational qualification below degree level A level or equivalent 8 (3.9) Other or don't know Type of the skin condition Eczema 68 (33.0) Acne 45 (21.8) Vitiligo 38 (18.4) Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4) Darier's disease 5 (2.4) Other 16 (7.8) Duration of the skin condition Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	QoL symptoms	38.55 (28.72)	0 - 100
Number (%) Females 161 (78.2) Education 44 (21.4) Degree level qualification 27 (13.1) Higher educational qualification below degree level 59 (28.6) A level or equivalent 8 (3.9) Other or don't know Type of the skin condition Eczema 68 (33.0) Acne 45 (21.8) Vitiligo 38 (18.4) Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4) Darier's disease 5 (2.4) Other 16 (7.8) Duration of the skin condition Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	QoL emotions	58.52 (29.61)	0 - 100
Females 161 (78.2) Education 44 (21.4) Degree level qualification 27 (13.1) Higher educational qualification below degree level 59 (28.6) A level or equivalent Other or don't know 8 (3.9) Type of the skin condition 68 (33.0) Acne 45 (21.8) Vitiligo 38 (18.4) Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4) Darier's disease 5 (2.4) Other 16 (7.8) Duration of the skin condition 16 (7.8) Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	QoL functioning	29.32 (28.60)	0 - 100
Education Postgraduate qualification 44 (21.4) Degree level qualification 27 (13.1) Higher educational 59 (28.6) qualification below degree level A level or equivalent 8 (3.9) Other or don't know Type of the skin condition Eczema 68 (33.0) Acne 45 (21.8) Vitiligo 38 (18.4) Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4) Darier's disease 5 (2.4) Other 16 (7.8) Duration of the skin condition Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)			Number (%)
Postgraduate qualification 27 (13.1) Degree level qualification 27 (13.1) Higher educational 59 (28.6) qualification below degree level A level or equivalent 8 (3.9) Other or don't know Type of the skin condition Eczema 68 (33.0) Acne 45 (21.8) Vitiligo 38 (18.4) Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4) Darier's disease 5 (2.4) Other 16 (7.8) Duration of the skin condition Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 3 and 5 years 22 (10.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Females		161 (78.2)
Degree level qualification 27 (13.1) Higher educational 59 (28.6) qualification below degree level A level or equivalent 8 (3.9) Other or don't know Type of the skin condition Eczema 68 (33.0) Acne 45 (21.8) Vitiligo 38 (18.4) Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4) Darier's disease 5 (2.4) Other 16 (7.8) Duration of the skin condition Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 3 and 5 years 22 (10.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Education		
Higher educational qualification below degree level A level or equivalent 8 (3.9) Other or don't know Type of the skin condition Eczema 68 (33.0) Acne 45 (21.8) Vitiligo 38 (18.4) Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4) Darier's disease 5 (2.4) Other 16 (7.8) Duration of the skin condition Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 3 and 5 years 22 (10.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Postgraduate qualification		44 (21.4)
qualification below degree level A level or equivalent 8 (3.9) Other or don't know Type of the skin condition Eczema 68 (33.0) Acne 45 (21.8) Vitiligo 38 (18.4) Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4) Darier's disease 5 (2.4) Other 16 (7.8) Duration of the skin condition Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 3 and 5 years 22 (10.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Degree level qualification		27 (13.1)
Other or don't know Type of the skin condition Eczema 68 (33.0) Acne 45 (21.8) Vitiligo 38 (18.4) Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4) Darier's disease 5 (2.4) Other 16 (7.8) Duration of the skin condition Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 3 and 5 years 22 (10.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	qualification below		59 (28.6)
Type of the skin condition Eczema 68 (33.0) Acne 45 (21.8) Vitiligo 38 (18.4) Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4) Darier's disease 5 (2.4) Other 16 (7.8) Duration of the skin condition Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 3 and 5 years 22 (10.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	A level or equivalent		8 (3.9)
Eczema 68 (33.0) Acne 45 (21.8) Vitiligo 38 (18.4) Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4) Darier's disease 5 (2.4) Other 16 (7.8) Duration of the skin condition 5 (2.4) Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 3 and 5 years 22 (10.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Other or don't know		
Acne 45 (21.8) Vitiligo 38 (18.4) Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4) Darier's disease 5 (2.4) Other 16 (7.8) Duration of the skin condition Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 3 and 5 years 22 (10.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Type of the skin condition		
Vitiligo 38 (18.4) Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4) Darier's disease 5 (2.4) Other 16 (7.8) Duration of the skin condition 5 (2.4) Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 3 and 5 years 22 (10.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Eczema		68 (33.0)
Psoriasis 17 (8.3) Ichthyosis 12 (5.8) Rosacea 5 (2.4) Darier's disease 5 (2.4) Other 16 (7.8) Duration of the skin condition 5 (2.4) Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 3 and 5 years 22 (10.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Acne		45 (21.8)
Ichthyosis 12 (5.8) Rosacea 5 (2.4) Darier's disease 5 (2.4) Other 16 (7.8) Duration of the skin condition 5 (2.4) Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 3 and 5 years 22 (10.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Vitiligo		38 (18.4)
Rosacea 5 (2.4) Darier's disease 5 (2.4) Other 16 (7.8) Duration of the skin condition 5 (2.4) Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 3 and 5 years 22 (10.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Psoriasis		17 (8.3)
Darier's disease 5 (2.4) Other 16 (7.8) Duration of the skin condition 5 (2.4) Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 3 and 5 years 22 (10.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Ichthyosis		12 (5.8)
Other 16 (7.8) Duration of the skin condition Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 3 and 5 years 22 (10.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Rosacea		5 (2.4)
Duration of the skin condition Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 3 and 5 years 22 (10.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Darier's disease		5 (2.4)
Less than 1 year 5 (2.4) Between 1 and 3 years 20 (9.7) Between 3 and 5 years 22 (10.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Other		16 (7.8)
Between 1 and 3 years 20 (9.7) Between 3 and 5 years 22 (10.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Duration of the skin condition		
Between 3 and 5 years 22 (10.7) Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Less than 1 year		5 (2.4)
Between 5 and 10 years 33 (16.0) Between 10 and 20 years 64 (31.1)	Between 1 and 3 years		20 (9.7)
Between 10 and 20 years 64 (31.1)	Between 3 and 5 years		22 (10.7)
	Between 5 and 10 years		33 (16.0)
More than 20 years 62 (30.1)	Between 10 and 20 years		64 (31.1)
	More than 20 years		62 (30.1)

^{*} Age was only available for 200 participants

Table 2: Pearson correlation coefficients between attachment avoidance, attachment anxiety, coping defeatism, coping activity, appearance related distress, symptoms, emotions, functioning, age and gender.

		Attach	ment	Coping		Psycho	logical a	adjustm	ent	Demo	graphics
	Cronbach's Alpha ⁱⁱ	Attachment avoidance	Attachment anxiety	Coping defeatism	Coping activity	Appearance related distress	QoL symptoms	QoL emotions	QoL functioning	Age	Gender
Attachment avoidance	.908	-									
Attachment anxiety	.920	.494***	-								
Coping defeatism	.776	.388***	.449***	-							
Coping activity	.837	053	.078	.413***	-						
Appearance r. distress	.932	.566***	.424***	.550***	.262***	-					
QoL symptoms	.847	.118	.097	.181**	.178*	.175*	-				
QoL emotions	.933	.296***	.254**	.469***	.339***	.691***	.355***	-			
QoL functioning	.908	.474***	.303***	.487***	.230**	.731***	.327***	.723***	-		
Age	-	.066	109	.005	030	.108	.000	.031	.215**	-	
Gender ⁱ	-	016	.024	.067	.053	.076	.050	.037	008	028	-

¹ Negative sign of correlation coefficient indicates that being a woman was associated with higher score on the investigated variables, while positive sign indicates that being a man was associated with higher score.

[&]quot; These Cronbach's Alpha values presented here represent values found in the study sample

^{**} Significant at the level p < .01, *** Significant at the level p < .001

Table 3: Direct and indirect effect of attachment orientation on psychological adjustment in people living with skin conditions.

Outcome	Mediator	Attachmen	t avoidance	Attachme	Attachment anxiety		
		B (SE)	95% CI	B (SE)	95% CI	_	
Appearance r. distress	Coping defeatism	0.87 (0.30)	0.38; 1.59*	1.38 (0.40)	0.84; 2.66*	$R^2 = .48$	
	Coping activity	-0.36 (0.25)	-1.05; -0.01 [*]	0.31 (0.23)	-0.01; 0.92		
	Direct effect	6.82 (1.04)	4.77; 8.87 [*]	1.16 (0.87)	-0.56; 2.88		
QoL emotions	Coping defeatism	1.87 (0.73)	0.74; 3.65*	2.97 (0.94)	1.81; 6.18*	$R^2 = .28$	
	Coping activity	-1.01 (0.69)	-2.84; -0.03	0.88 (0.64)	-0.03; 2.65		
	Direct effect	6.61 (2.45)	1.78; 11.44*	-0.46 (2.05)	-4.50; 3.58		
QoL functioning Coping defeatism		1.78 (0.67)	0.71; 3.46*	2.83 (0.94)	1.26; 4.95*	$R^2 = .38$	
	Coping activity	-0.59 (0.47)	-1.95; 0.02	0.51 (0.43)	-0.04; 1.82		
	Direct effect	11.70 (2.18)	7.40; 16.00 [*]	-0.70 (1.82)	-4.30; 2.90		

B refers to unstandardised beta coefficients. Coefficients intervals were calculated using bootstrapping with 10 000 resamples.

^{*} indicates significant confidence intervals (i.e., the ones that do not include '0'). Attachments anxiety was controlled for attachment avoidance analyses and vice versa. All analyses were controlled for age and gender. R^2 refers to all predictors in the model. All models were significant at the p < .001 level.

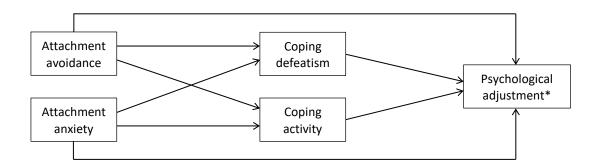


Figure 1: Proposed multiple mediation model of psychological adjustment in people living with skin conditions.

^{*} The investigated aspects of psychological adjustment included: appearance related distress and QoL symptoms, QoL emotions and QoL functioning.

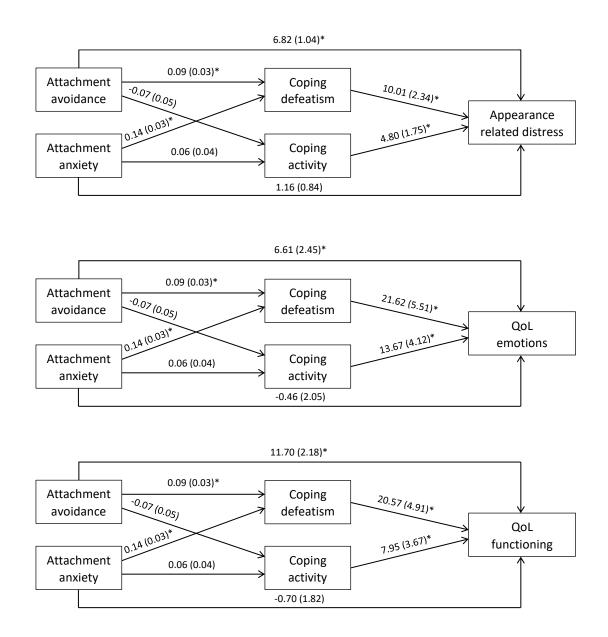


Figure 2 Individual path coefficients for proposed multiple mediational model of psychological adjustment in people living with skin conditions.

Only significant paths are displayed (p < .05). Standard errors are displayed in parentheses. Attachment avoidance coefficients were calculated controlling for attachment anxiety and vice versa. Models were calculated controlling for age and gender.