Positive emotions and glycaemic control in children with diabetes

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Is dispositional optimism or dispositional pessimism predictive of ideal cardiovascular health? The Young Finns Study

Anna Serlachius, Laura Pulkki-Råback, Marko Elovainio, Mirka Hintsanen, Vera Mikkilä, Tomi T. Laitinen, Markus Jokela, Tom Rosenström, Kim Josefsson, Markus Juonala, Terho Lehtimäki, Olli Raitakari & Liisa Keltikangas-Järvinen



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Short communication

Does high optimism protect against the inter-generational transmission of high BMI? The Cardiovascular Risk in Young Finns Study



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Short Report: Educational and Psychological Aspects A pilot randomized controlled trial of a gratitude intervention for adolescents with Type 1 diabetes

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Abstract

Aim Cost-effective psychosocial interventions that can feasibly be implemented into busy clinical settings are needed to improve psychological and physical health outcomes in adolescents with Type 1 diabetes. We examined the efficacy of a gratitude journalling intervention to improve psychological well-being and glycaemic control in adolescents aged 10–16 years with Type 1 diabetes.

Methods Eighty adolescents were randomized to the 8-week gratitude intervention (N = 40) or standard care (N = 40). Self-reported measures of stress, quality of life, self-care, depression and gratitude were assessed at baseline and 8 weeks after baseline. Glycaemic control (HbA_{1c}) was assessed at baseline and 12 weeks after baseline. A perprotocol analysis was conducted with the adolescents who completed all questionnaires (N = 60). Analysis of covariance (ANCOVA) was used to examine differences between treatment arms at follow-up adjusting for baseline scores.

Results There was no evidence of any between-group differences in the psychological or behavioural measures at follow-up (all *P*-values > 0.05). Glycaemic control slightly increased in the control group while remaining stable in the gratitude group, with a between-group difference of 6.1 mmol/mol [95% confidence interval (CI) -2.6 to 14.7; 0.6%, 95% CI -0.2 to 1.3] at 12 weeks after baseline. After adjusting for baseline HbA_{1c}, this between-group difference was significant (P = 0.048).

Today,

Today-

"It is a great way to make sad people happier and think more about the world" – Boy, 13

for

for

Sunday

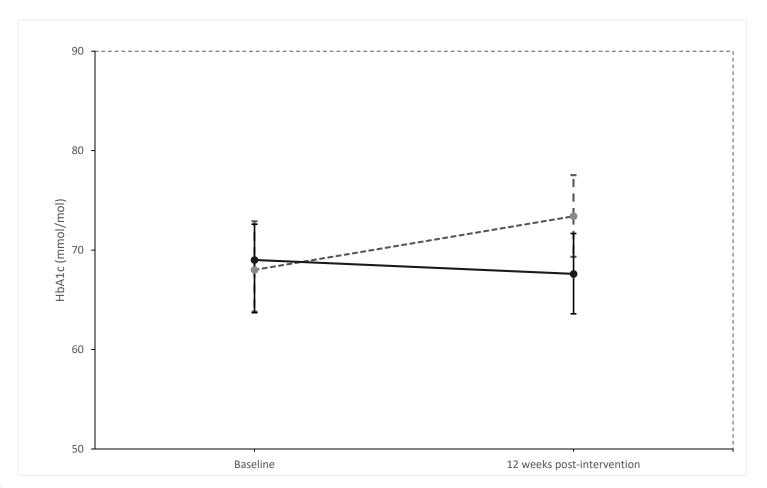
"I found that it made me think quite deeply about what made me appreciate the things that I didn't really think all that much about." – Girl, 13

2.

He did seem more positive after writing. He occasionally had to be reminded, but for the most part he was quite self - motivated to write. – Mother of boy, 10



Change in HbA1c from baseline to 12 weeks





MEDICAL AND
HEALTH SCIENCES

Editorial

Gratitude – more than just a platitude? The science behind gratitude and health

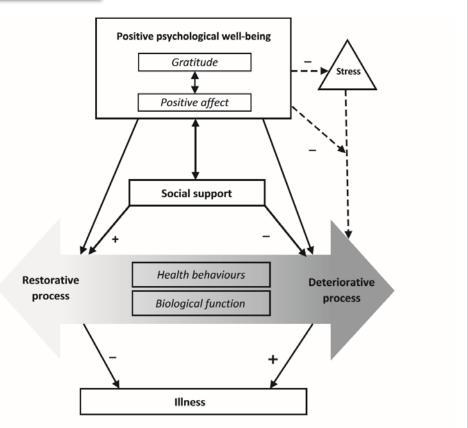


Figure 4. Adapted model of positive psychological well-being. Boehm and Kubzansky (2012) reprinted [or adapted] with permission.



MEDICAL AND HEALTH SCIENCES SCHOOL OF MEDICINE



YOUNG ADULTS WITH TYPE 1 DIABETES:

DOES YOUR MOOD INFLUENCE YOUR BLOOD GLUCOSE CONTROL?

We are looking for young adults aged 17-25 years old with type 1 diabetes to fill out a questionnaire to see if psychosocial factors (e.g. mood, stress, etc.) have an impact on HbA1c. Participating will mean that you will be asked to complete a questionnaire at one time-point. Participants will also receive one \$10 Westfield voucher as a thank you for your time.

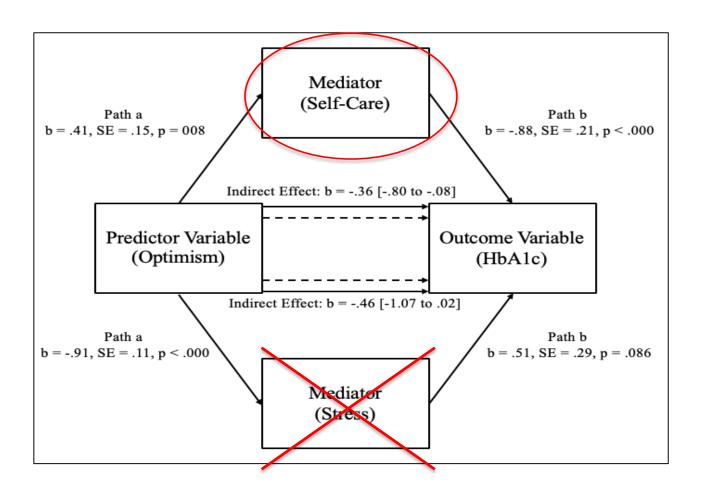
FOR MORE INFORMATION OR IF YOU WOULD LIKE TO TAKE PART CONTACT:

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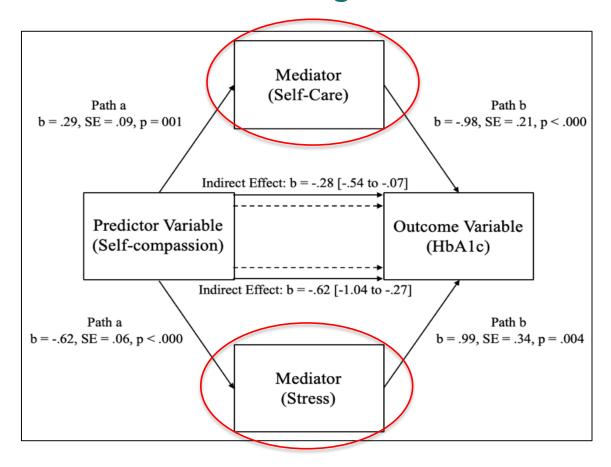


Multiple mediation model illustrating the effect of optimism on HbA1c through self-care and stress





Multiple mediation model illustrating the effect of selfcompassion on HbA1c through self-care and stress



Open access Protocol

BMJ Open Protocol for a feasibility study: a brief self-compassion intervention for adolescents with type 1 diabetes and disordered eating

Anna L Boggiss , ¹ Nathan S Consedine , ¹ Craig Jefferies, ² Karen Bluth, ³ Paul L Hofman, ⁴ Anna S Serlachius

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ABSTRACT

Introduction Adolescents with type 1 diabetes are at a higher risk of developing psychiatric disorders, particularly eating disorders, compared with their healthy peers. In turn, this increases the risk for sub-optimal glycaemic control and life-threatening diabetes-related

Strengths and limitations of this study

► The study will be the first to examine selfcompassion as a potential therapeutic approach to the widespread problem of disordered eating be-





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Questions? a.serlachius@auckland.ac.nz Twitter: @SerlachiusAnna