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Alberta Health Services

Knowledge Bites Lunch 'n' Learn

November 16, 2020



An Intervention for Caregivers Supporting Family Members with **Substance Use Disorders**

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November 16, 2021

ADDICTION - A FAMILY DISORDER





Although addiction presents itself as a problem of dependent individuals, families are also profoundly affected by the family member's addiction.

One person may use, but the whole family suffers.

PHD RESEARCH THE IMPACT OF ADDICTION ON THE FAMILY

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SEEKING RESEARCH PARTICIPANTS FOR AN IN-DEPTH STUDY OF THE EXPERIENCES OF MOTHERS WITH ADOLESCENT CHILDREN IN ADDICTION TREATMENT

> For more information, please contact Jackie Smith E: jmjsmith@ucalgary.ca | P: 403 681-1298

> > Ethics ID: REB13 1298 This study has been approved by the University of Calgary Conjoint Health Research Ethics Board. Protocol Title: A narrative inquiry into the experiences of mothers of children in addiction treatment. PI: Dr. Andrew Estefan Version Number: 1 Page 1 of 1 CHREB template date: January 30, 2014

Exploring the **Experiences of** Four Mothers through Four Stages of Treatment

Alberta Adolescent Recovery Centre (AARC)

- Youth aged 12-21 with substance use disorders
- Long-term residential treatment centre
- Family Treatment Program
- Evidenced—informed with outcome studies



NAVIGATING COMPLEXITY...



"As I went from agency to agency, I just remember feeling overwhelmed and very alone... It is like you are white knuckling it ... I felt trapped in the fear and carrying the responsibility of my son's addiction and mental health ... I felt responsible for making the abnormal seem normal and for holding my family together."



"I didn't know what to do but I knew I had to do something."

WHAT HAPPENS AFTER TREATMENT?



"...treatment is not a one-way ticket from addiction to recovery."



"We were all reminded that amid our sense of progress in *treatment* & *beyond*—*recovery* is also a story of chronicity & continuity, which leaves open the possibility of the unexpected, the unpredictable & the unwanted."

RETURNING RESEARCH TO PRACTICE: STRENGTHENING NATURAL SUPPORTS





- Parent Aftercare
- Couples Therapy Workshop
- Family Case Consultations
- Mindfulness

MINDFULNESS BASED STRESS REDUCTION (MBSR)



MBSR is supported by two decades of extensive research showing its effectiveness in reducing stress, anxiety, and depression and promoting overall well-being.



Stress isn't just a feeling or a mental state; if you don't address it, it seeps into every aspect of your life.

MINDFULNESS BASED STRESS REDUCTION (MBSR) FOR MOTHERS & CAREGIVERS OF YOUTH WITH SUBSTANCE USE DISORDERS

- Feasibility pilot study with waitlist group
- To evaluate the perceived benefits of MBSR as a self-care intervention
- Self-Compassion and Perceived Stress Scale

MINDFULNESS BASED STRESS REDUCTION RESEARCH PROJECT SEEKING RESEARCH PARTICIPANTS - FEMALE CAREGIVERS WHO HAVE DAUGHTERS AND/OR SONS WITH SUBSTANCE ABUSE ISSUES WHO HAVE GRADUATED FROM THE ALBERTA ADOLESCENT RECOVERY CENTRE

For more information, please contact Dr. Jacqueline Smith <u>E: jacqueline.smith1@ucalgary.ca | P: 403-681-1298</u>

Ethics ID: REB17-1811 This study has been approved by the University of Calgary Conjoint Health Research Ethics Board. Protocol Title: Mindfulness based stress reduction for female caregivers of youth with substance abuse issues: A feasibility study. PI: Dr. Jacqueline Smith



This study has been approved by the University of Calgary Conjoint Health Research Ethics Board

MBSR – FACILITATION INFORMATION

- 8-week program
- 2.5 hours every Sunday morning
- Guidance for daily practice for meditation
- Mindful stretching (light yoga)
- Education on stress
- Components of MBSR program

 Specific mindfulness practices
 Didactical material
 Group discussions



MINDFULNESS BASED STRESS REDUCTION (MBSR) A REVIEW OF THE LITERATURE

Derek Luk, MN, RN Consultant, Alberta Medical Association





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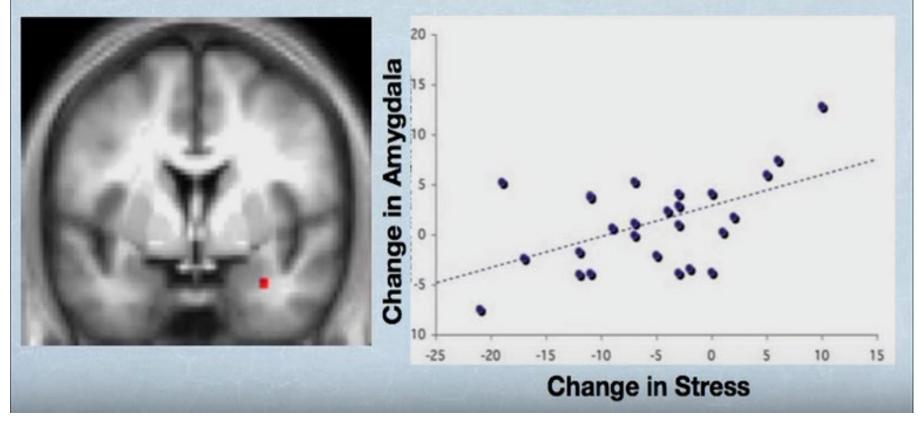
American Mindfulness Research Association

About AMRA

The American Mindfulness Research Association (AMRA) was founded in 2013. Our mission is to support empirical and conceptual efforts to: (1) establish an evidence base for the process, practice, and construct of mindfulness; (2) promote best evidence-based standards for the use of mindfulness research and its applications; and (3) facilitate discovery and professional development through grant giving.

AMRA serves as a professional resource to the sciences and humanities, practice communities, and the broader public on mindfulness from the perspective of contemplative practice. *AMRA...Informing mindfulness research and practice.*

Change in stress correlates with change in amygdala gray matter



Holzel, Carmody, Vangel et al. (2011).



CONNECTEDNESS & Self-Compassion



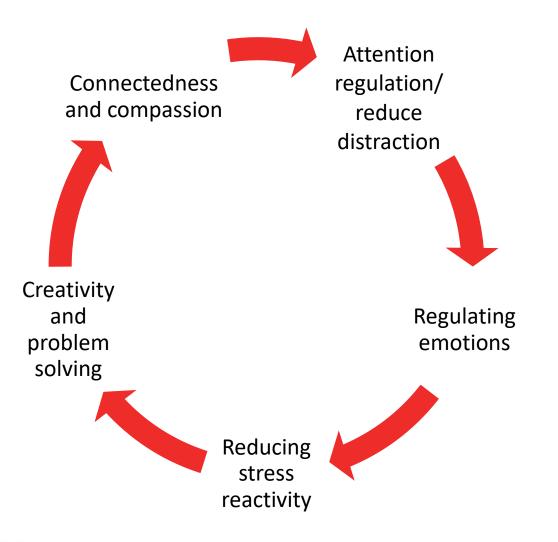
ATTENTION REGULATION

- Problem: Sensory overload
- Train attention to focus what is relevant, what is meaningful, and hold stability of awareness





RESEARCH – BENEFICIAL EFFECTS



- Holzel, Carmody, Vangel et al. (2010).
- Lim, Condon & DeSteno (2015)
- Lutz, Brefczynski-Lewis, et al. (2008)
- Fox, Nijeboer, Dixon, et al. (2014)
- Tang, Ma, Wang, et al. (2007)
- Baas, Nijstad & DeDreu (2015)
- Gard, Noggle, Park, et al. (2014)
- Ostafin & Kassman (2012)

MINDFULNESS: WHAT WE PRACTICE

- Intentionally focusing attention
- Clarity of perception
- Openness, curiosity, kindness
- Insight: Recognizing patterns of mind
- Letting go
 - Attachment and avoidance
 - Narrow identification as a static person
- Resting in awareness itself



RESULTS FROM MBSR PROJECT

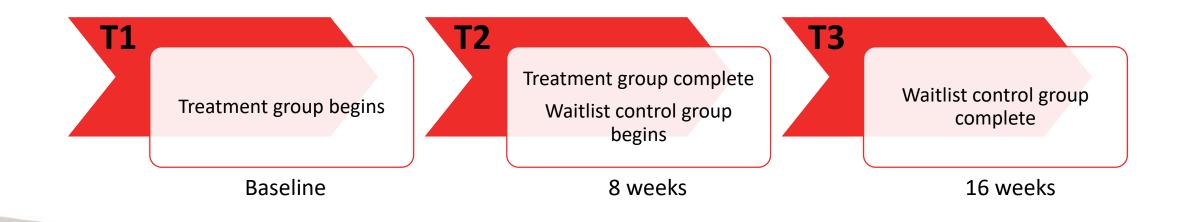


Measures

- Perceived Stress Scale (PSS)
- Self-Compassion Scale (SCS)
- Participant Interviews

Participants

- Treatment group (n=21)
- Waitlist control group (n=22)



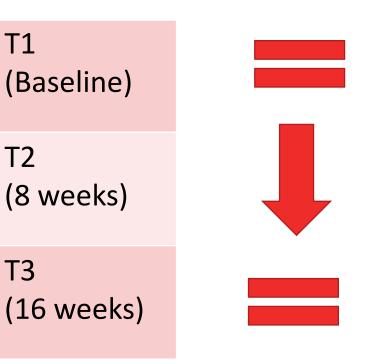
QUANTITATIVE RESULTS



Self-Compassion Scale



Perceived Stress Scale



QUALITATIVE INTERVIEW QUESTIONS

What did you enjoy about this MBSR program? What did you not enjoy about this MBSR program? How has this MBSR program affected your ability to feel selfcompassion?

How has this MBSR program affected your ability to manage the stress that you have in your life?

What has been the most significant change you have noticed in yourself since you completed this MBSR program? Is there anything else that I didn't ask you about that you would have liked me to ask about?

QUALITATIVE RESULTS



Impact of MBSR

- Self-compassion
- Perceived stress
- Interpersonal effectiveness
- Physical wellness

- Perceptions of MBSR program
 - Group experience
 - Program delivery
 - Recommendations

Addictive Behaviors 103 (2020) 106223



A pilot of a mindfulness based stress reduction intervention for female caregivers of youth who are experiencing substance use disorders



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HIGHLIGHTS

- 43 female caregivers of youth with SUDs were included in an 8-week MBSR program.
- MBSR led to reduced stress and increased self-compassion.
- Participants experienced improved physical wellness and interpersonal effectiveness.
- MBSR facilitated community connection among participants with shared experience.

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PARTICIPANT EXPERIENCE



"If I look like a wreck when I come into emergency with my daughter, it's because I've been through hell..."

UNIVERSITY OF feeling judged grief crazy fear panic loss bewilderment shock regret rumination

PARTICIPANT EXPERIENCE – FOLLOWING MBSR



"There is no need to go to India or anywhere else to find peace. You will find that deep place of silence right in your room, your garden or even your bathtub".

Elizabeth Kubler Ross

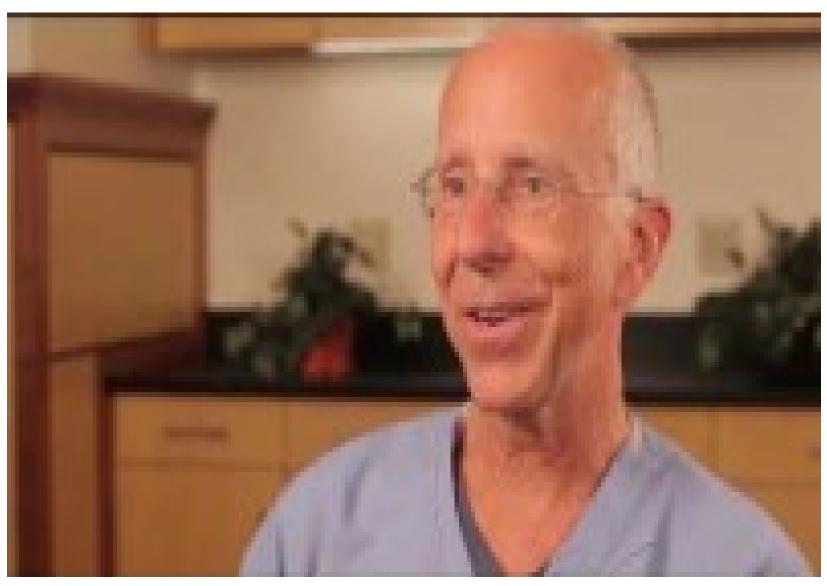
grounding tapping calming



IMPLICATIONS FOR PRACTICE

- How to incorporate with patients/families
 - Family is the client
 - Continuity of care chronicity of addiction
- Focus for Clinicians working in AHS settings
- Where to begin
- MBSR is the large picture focus on bite sized pieces

WHERE TO START





1. Mindfulness for clinicians



2. Mindfulness as a tool for our clients

WHERE IS MINDFULNESS AVAILABLE?



UCalgary Wellness Services

 Start your own daily mindfulness practice with this self-directed, online program. <u>https://www.ucalgary.ca/wellness-services/staying-healthy/learning/self-help-resources/mindfulness-online</u>

Virtual (Free 8-week MBSR)

Palouse Mindfulness (<u>https://palousemindfulness.com/</u>)

Formal Training

• The Centre for Mindfulness Studies

https://www.mindfulnessstudies.com/about/



Q&A

Principal Investigator: Dr. Jacqueline Smith, PhD, RN jacqueline.smith1@ucalgary.ca



Emotional regulation

Hölzel, B. K., Carmody, J., Vangel, M., Congleton, C., Yerramsetti, S.
M., Gard, T., & Lazar, S. W. (2010). Mindfulness practice leads to increases in regional brain gray matter density. *Psychiatry research*, 191(1), 36–43. doi:10.1016/j.pscychresns.2010.08.006



Connectedness

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Enhanced attention performance

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induces white matter changes in the anterior cingulate. Proceedings of the National Academy of

Sciences of the United States of America, 107(35), 15649–15652. doi:10.1073/pnas.1011043107



Creativity and problem solving

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