Curriculum development using VR technology to enhance empathetic communication skills in future health care professionals

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Project Coordinator:



www.mmclearningsolutions.com

Project partners



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https://www.uth.gr/





http://www.omegatech.gr/

Work Area 3: Showing empathy in diverse environments and overcoming barriers/ challenges to empathy

Unit 3.2: Challenges to empathy in healthcare and how to overcome these

Duration: 6 hours

Trainer:



Unit 3.2: Challenges to empathy in healthcare and how to overcome these



Learning
Outcomes
(knowledge)

- 54. Outline challenges to empathy in health care:
- The students know the impact of work place stress on his/her empathy.
- The students know factors related to work place stress
- The students know the concept of emotional labour
- 55. Define burnout and describe the relationship between empathy and burnout
- 56. Identify and label evidence-based instruments for assessing burnout and stress-related conditions when working in health care
- 57. Identify and label evidence-based methods for preventing and/or treating burn out



Learning Outcomes (skills)

- 58. Use self-reflection to recognise symptoms that he/she might be burnt out
- The students reflect on his exposure to work place stress based on a socioecological model
- The students discuss the model of emotional labour
- 59. Use appropriate instruments/resources for testing his/her symptoms of burn-out
- 60. Practice techniques to reduce stress and burn-out
- 61. Seek appropriate help



Learning
Outcomes
(competences)

- 62. Advocate and model self-caring attitudes
- 63. Increase self-confidence in selfcaring under stressful situations
- 64. Model a positive, calm and mindful approach when dealing with stressful situations, e.g., in using emotional regulation and self-reflection



Participation Contract

- Mobile Phones
- Breaks
- Other



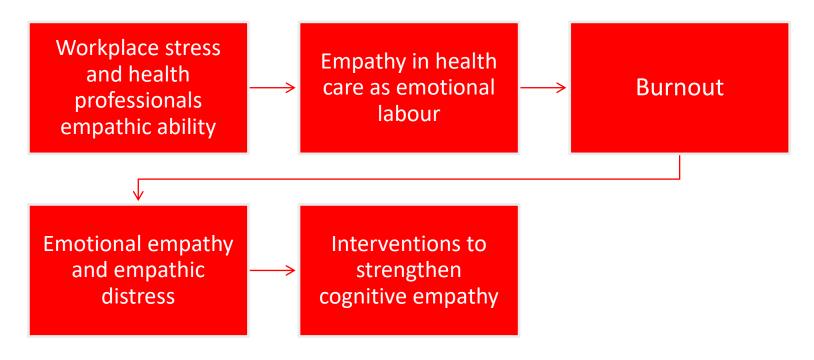


Participation

Respect Express your opinion

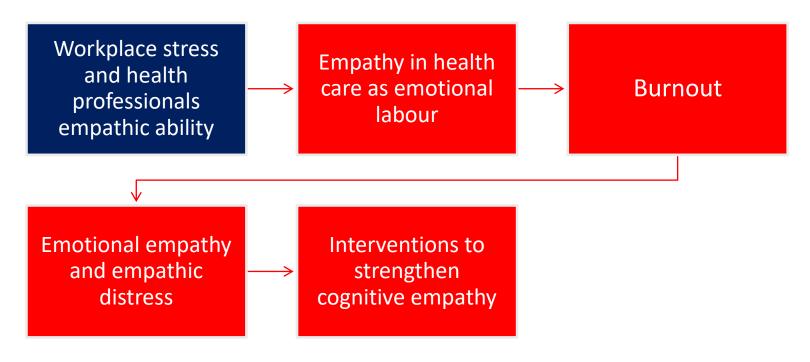


Route Map





Route Map





Challenges To Empathy In Health Care

- Workplace stress = threat to health professionals empathic ability
 - ► Stress can cause anxiety and trigger individuals to fall back on what they know to be true —namely, their own perspectives and feelings

 (Ahrweiler et al., 2014)
- ► High levels of workplace stress among health care professionals (Rice, Glass et al. 2014)



Factors Related To Workplace Stress In Health Care Professionals

Cultural and organization factors

- Undervaluing of health professionals
 - Staff shortages

Care related factors

- Personally demanding encounters at work
- Exposure to strong emotions in patients



Individual factors

- Age
- Work experience
- Emotional response



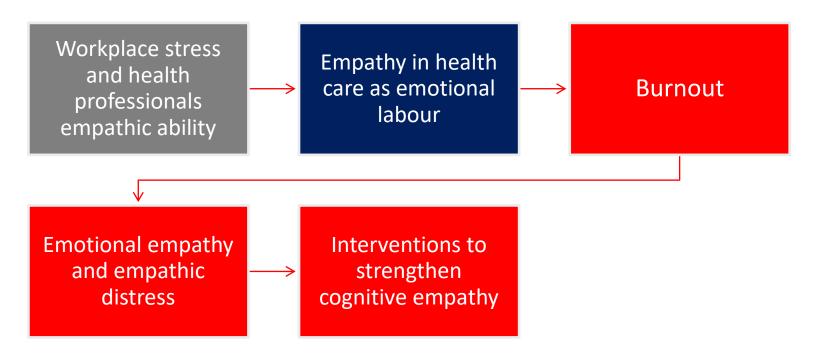
Individual Exercise: Stressors in my Work Environment

- ► Please reflect:
 - Which of the factors described in the model are relevant to your current work situation/to your work environment?





Route Map





The Concept of Emotional Labour

- Emotional labour = effort involved in managing feelings when the work role specifies that particular emotions (e.g. empathy) should be displayed and others should be hidden
- Health care has all three elements of jobs requiring emotional labour:
 - Intensive contact with the public
 - ▶ The need to produce an emotional state in other people
 - ► A set of explicit or implicit rules regarding the type of emotional display that is appropriate and inappropriate (Hochschild 1983)



THINK PAIR SHARE

Brainstorming – Is Empathy Emotion Work for Health Care Professionals?

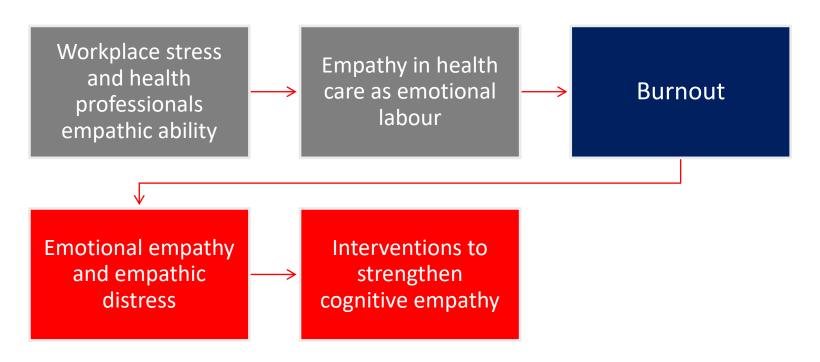
- ► The concept of emotional work is based on the assumption that the "appropriate" emotional response (e.g. in health care = empathy) will not always arise spontaneously
- Please 'think, pair, share':
 - Do you find it always easy to be empathetic?
 - ► Have you ever experienced/or witnessed a situation where it was difficult for you/ a colleague to show empathy?
 - ► How did you/your colleague deal with that situation?



Empathy as Emotional Labor In Healthcare

- Empathy = fundamental requirement in all healthcare professions
 - ► Showing empathy and avoiding expressions of negative feelings toward clients are essential job role expectations in health care
- ► Showing empathy whilst dealing with patients' illness and suffering represents emotional labour (Hunter 2001; Riley and Weiss 2016)
- ► Emotional labour is a source of workplace stress in health care and can lead to burnout (Kerasidou and Horn 2016)

Route Map





Burnout - Definition

- ► Burnout is a work-related stress syndrome resulting from chronic exposure to job stress
- Burnout is characterized by
 - 1. Emotional exhaustion
 - 2. Depersonalization and
 - 3. A low sense of personal accomplishment

(Maslach et al., 2001)

► Also described as erosion of engagement with ones' job that happens gradually over time



(Bakker and Costa, 2014)

Burnout - Implications

- Burnout has personal and interpersonal implications and also affects health care
- Personal implications:
 - overwhelming exhaustion and feelings of incompetence
- Interpersonal implications:
 - cynicism and depersonalisation reduces empathy

(Maslach et al., 2001)

- Implications for healthcare
 - Contributes to poor outcomes, including worse patient safety, and to lower patient satisfaction

(Poghosyan, Clarke et al. 2010)



Assessment of Burnout: The Maslach Burnout Inventory (MBI)

MBI = the most common, well validated measure of burnout

- 22 items, scored on 7-point Likert scales (0 = never, 6 = everyday).
- ▶ 3 subscales:
 - ► Emotional exhaustion
 - Depersonalization
 - Personal accomplishment
- Example of a positively worded item:

"I feel emotionally drained from my work"



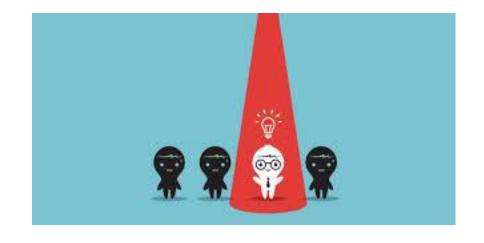
Assessment of Burnout: Single Item Measure

- MBI is proprietary and carries licensing fees = challenge to routine or repeated assessment
- ► Valid assessment using single item from MBI (emotional exhaustion subscale): "I feel burned out from my work."
 - 1. Never
 - 2. A few times a year or less
 - 3. Once a month or less
 - 4. A few times a month
 - 5. Once a week
 - 6. A few times per week high burnout risk
 - 7. Every day



Individual Exercise: Checking Yourself for Risk of Burnout

- Please perform
 1) The single item
 assessment and then
 2) The Workplace Stress
 Scale to get information
 about your burnout risk
 - Compare the results of both assessments
 - ▶ Do the results surprise you?





How to Seek Appropriate Help

- ► Health care professionals who suffer from burnout frequently delay seeking support (Putnik, de Jong et al. 2011)
- ► However, it is important that you seek help before the burnout symptoms get worse:
 - ► Reach out to co-workers, friends or loved ones support and collaboration might help you cope.
 - ► Check if there are employee assistance programs or counselling services at your work - take advantage of relevant services



Research on burnout and emotional and cognitive empathy

(Harscher, Desmarais et al. 2018)

Objective:

To understand the relationship between empathy (Empathic Concern [EC] and Personal Distress [PD]; similar to empathic stress) and burnout in medical students

Method:

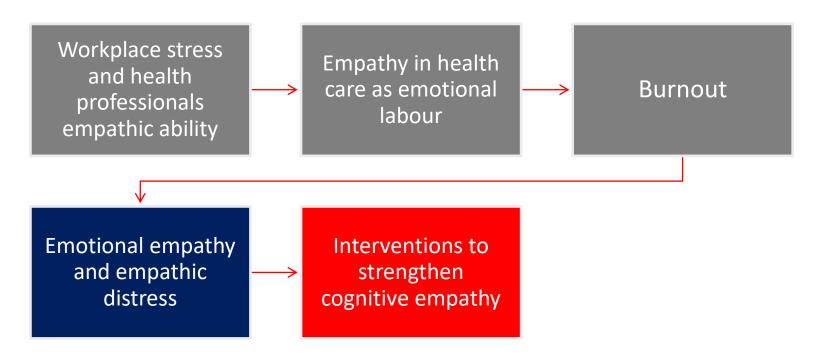
Five successive classes of medical students (n = 353) were given the Maslach Burnout Inventory and Davis' Interpersonal Reactivity Index over the course of three successive years Data was analyzed for each of the three components of burnout based on gender, age, year in medical school, and two types of empathy: Empathic concern (EC) and Personal Distress (PD)

Results:



Students with high levels of EC had statistically lower scores of burnout over time while students with high levels of PD empathy showed statistically higher scores of burnout over three years.

Route Map





Emotional and Cognitive Components of Empathy

- Empathy has both affective (=emotional) and cognitive components
- ► The affective component of empathy relates to sharing the emotions of the other person
 - ► This sharing of emotions, or emotional contagion, is an automatic response
 - Sharing emotions for the empathiser leads to feelings of empathic concern, which is key for an empathic exchange
 - However, if emotions are over aroused, personal/empathic distress can develop (Decety and Hodges, 2006; Decety and Yoder 2016)

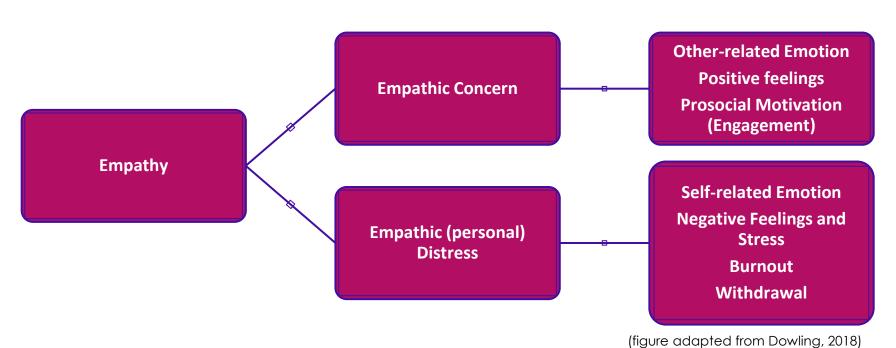


Empathic Distress

- Strong aversive and self-oriented response to the suffering of others
 - Form of empathic overarousal that results from poor emotion regulation and lessened self-other distinction
- ► Empathic distress can lead to the desire to withdraw from a situation in order to protect one's self from excessive negative feelings

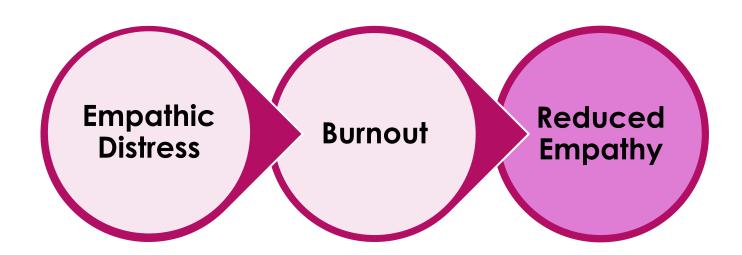


Effects of Empathic Concern and Empathic Distress





Empathic Distress, Burnout and Empathy





Video

Please watch the BBC Video on Empathy

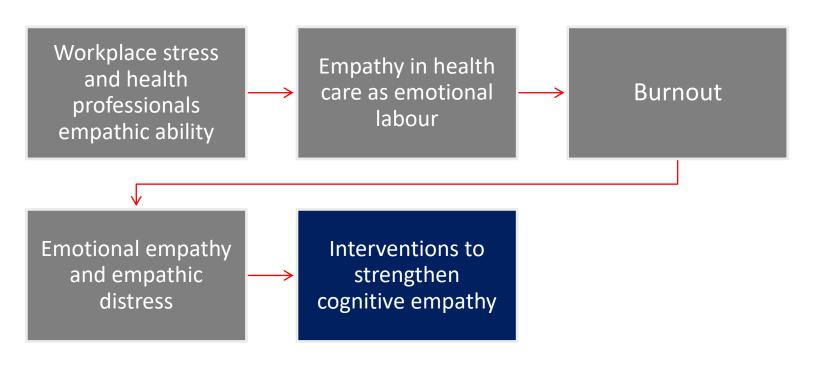
(https://youtu.be/QzuV51Hv8TA)

Make notes to answer the following questions:

- What do the authors mean by ,the dark side of empathy'?
- Why is this relevant to ,Empathy in Health'?
- What tips for health professionals do the researchers have to offer in the video?



Route Map





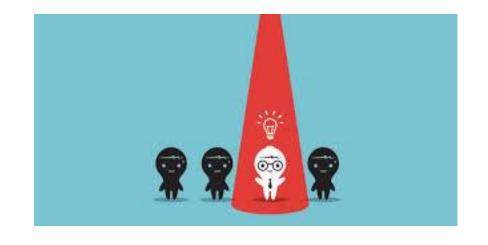
Reducing Empathic Distress Using Emotional Regulation

- Emotional regulation in health care refers to the processes by which one manages emotions during engagement with patients
 - ▶ also described as self-awareness during empathic engagement with patients (Tei, Becker et al. 2014)
 - ► intrinsically related to empathy (Thompson et al.,2019)
- Without the ability to regulate one's own emotions, excessive emotional empathy may lead to burnout (Zeidner, Hadar et al. 2013)
- ► Emotional regulation training has been found to be successful in reducing workplace stress and burnout in health care professional (Weilenmann, Schnyder et al. 2018; Kharatzadeh, Alavi et al. 2020)



Exercise: How Do You Manage Your Emotions?

- ► At home?
- ► At work?
- ► When being with friends?
- What helps you to regulate your emotions in stressful situations?





Emotion Regulation Through Cognitive Reappraisal

- Cognitive reappraisal involves thinking about a negative or challenging situation in a more positive way.
 - Example: Imagine a friend did not return your calls or texts for several days.

 Rather than thinking that this reflected something about yourself, such as "my friend hates me," you might instead think, "my friend must be really busy."
- Using cognitive reappraisal in everyday life is related to experiencing more positive and less negative emotions

(McRae, Ciesielski et al. 2012)



Individual Exercise: Cognitive Reappraisal

- Please remember a situation at work that has caused you stress and negative thinking.
- Please work with the 'Thought-Record' worksheet:
 - ► First describe the situation using your original interpretation
 - ► Following this try to think of at least two different ways to reappraise the situation and describe them as required in the worksheet





Reducing Empathic Distress Using Mindfulness Interventions

Mindfulness interventions have been found to have a significant impact on health care professional's level of burnout

(Conversano, Ciacchini et al. 2020, van der Riet, Levett-Jones et al. 2018)

- Mindfulness meditation reduce stress, depression and anxiety in nurses and nursing students
- ▶ Dispositional mindfulness is a protective factor for stress and burnout in nursing students

(van der Riet, Levett-Jones et al. 2018)



Individual Exercise: 4-7-8 Breathing (Relaxing Breath)

- Rationale:
 - ► The focus on the outbreath activates the parasympathetic nervous system (PSNS)— this slows our heart and breathing rates and lowers blood pressure
 - this reduces stress (Varvogli and Darviri 2011)
- ► Technique: Adopt a comfortable sitting position
 - ▶ Place the tip of the tongue on the tissue right behind the top front teeth
- Focus on the following breathing pattern
 - ► Empty the lungs of air
 - ▶ Breathe in quietly through the nose for **4** seconds
 - ▶ Hold the breath for a count of **7** seconds

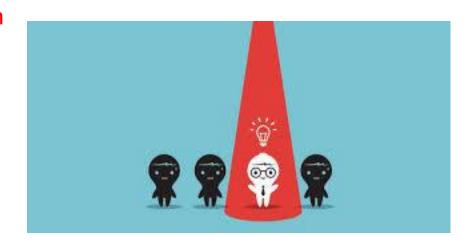


 Exhale forcefully through the mouth, pursing the lips and m "whoosh" sound, for 8 seconds (repeat as long as necessary to reduce distress)

Individual Exercise: Remaining Calm and Mindful During Stressful Situations

- ▶ Please think of an example when you or someone you observed had a calm and mindful approach during a stressful professional situation?
 - Describe the behavior that went with the calm and mindful approach
 - ► How did the environment react to this?
 - ► How did it make you feel?





Self-Care to prevent Burnout

Self Care = Practices that individuals initiate and perform to maintain their life, health and wellbeing

(World Health Organization 2018)

- ► Self-care practices can buffer workplace stress in health professional (Nahm, Warren et al. 2012)
- Self care can be physical, psychological or spiritual
 - ► E.g. eating, sleeping, and moving well are achievable self care goals (Couser, Chesak et al. 2020)



Group Discussion: Self-care Strategies

- ► Please pair up with another student and have an exchange about the following points:
- What are activities/ things you do to take care of yourself, e.g. after a stressful working day or week
- Have you observed other, e.g. your educators, friends, family, role – models practice self-caring?





What does this look like?

Exercise: Goals For Self-Care In Daily Life

- In pairs of two, please discuss which self care measures you would like to incorporate in your daily life
- Create each a SMART goal (see below) for one of these self care measures.





Revision Questions

- What challenges our capacity for empathy in health care?
 - Name two threats to empathy in the health care environment
- How is burnout defined and assessed?
- In what way can empathy lead to burnout i health care professionals?
 - ► Which two components of empathy are relevant here?
- Please name two evidence-based strategies to prevent burnout
 - ► Describe one exercise for each strategy





- Challenges to empathy in health care
- Definition and assessment of burnout
- Relationship between empathy and burnout
- Strategies to prevent burnout



Key Points

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