The Need for Emotional Intelligence Training Education in Critical and Stressful Situations: The Case of Covid-19

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Abstract—Critical and stressful situations can emerge in many different forms in our daily life. Sometimes the stressful situations can be more serious in national or global level, such as natural disasters and diseases. In such a difficult and demanding situation, we were with the onset of the virus. At a time when the international medical scientific community is trying to deal with the new threat called Coronavirus, emotional intelligence is contributing decidedly to address this pandemic. Awareness, management, empathy, basic components of emotional intelligence, are especially important for people to control difficult situations as the one we are going through. The need for the development and cultivation of emotional intelligence from the very beginning, starting from the field of education, is strongly apparent so that the child and later the adult can cope with stressful situations. Studies have shown that people with high emotional intelligence can better manage and mitigate stress and adopt strategies of resilience and control.

Keywords—Emotional intelligence, stressful situations, awareness, management, empathy, education training, communication, coronavirus, COVID-19.

1 Introduction

The reorganization of existing behavioral strategies is triggered by critical situations of lesser or greater intensity and of different forms [1]. Crisis represents a situation which disrupts daily normal reality and danger, uncertainty, instability, and forced action exists [2].

Stress, on the other hand, is defined as a condition in which the body’s ability to maintain a stable internal environment is threatened (or considered endangered) and the causes can be external or internal factors. [3]. Stressful conditions can cause intense stress with short-term or/and long-term harmful effects on humans.

According to Goleman, emotional intelligence (EI) and its competencies are a prerequisite for the preservation of mental health in stressful situations and lack of emotional intelligence in such an unstable environment may be the cause of a failed outcome with questionable future consequences [4]. Daniel Goleman (1998) defines Emotional Intelligence/Quotient as the ability to recognize our own feelings and those of others, to motivate, and to handle our emotions to have the best for ourselves and for
our relationships [4]. According to the Ability EI model, it is the perception, assessment, and management of emotions in yourself and others [5].

However, it was only in a crisis, a pandemic disease-Covid-19-, that it became clear how much emotional intelligence is needed. The coronavirus-disease (COVID-19) is a highly infectious respiratory disease. The World Health Organization declared the coronavirus to be a pandemic [6]. This pandemic was for most of the world's population an unprecedented situation which was very reasonable to bring stress, anxiety, and uncertainty to citizens.

Having a high EQ (Emotional Quotient) does not mean that a person won’t feel stress or anxiety about issues in life, let alone a more stressful event, but this person will be aware of his/her situation and the emotions he/she experiences in order to have self-control, self-management and not be seduced by his/her anxiety with very negative physical and psychological consequences. At the same time, a person with high emotional intelligence will be helpful for people who have been overwhelmed by stress and other negative emotions since social awareness, social skills and empathy, superior characteristics of an emotionally intelligent person, will work in a supportive way towards others. High EI is thought to promote the adaptive regulation of distressing emotions [7] and affect the successful management of daily stresses and challenges [8]. People in the face of a crisis tend to stand together and cooperate [9]. They understand that the risk is shared and are worried not only about themselves but also for others [10].

In such a critical situation that humanity is experiencing today, the need for emotional intelligence is imperative. Dr. Abdel-Fattah (2020) is putting the light on the role of emotional intelligence and emotional stability on confronting crises such as the existing crisis of COVID-19 which has global impact and is pointing out the need for the development of emotional intelligence skills [11].

The article provides some insights through literature review on the determining factor of emotional intelligence and its competencies to mitigate stress in everyday life and highlights the need for awareness, self-control, empathy to confront with crises like Covid-19. Furthermore, the importance of integrating emotional intelligence in the curricula of all educational levels and later in the workplace is indicated.

2 Research Findings

2.1 Emotional intelligence and stress

Stress is defined as the reaction to a threat and has both cognitive and emotional aspects [12]. Although stress response is sometimes a healthy and adaptive function in situations of acute challenge [13], in times of high and prolonged stress, negative emotions like fear and anxiety disrupts working memory [14], decrease our intellectual potential, and may cause permanent dysregulation of the neurobiological stress systems [15]. Additionally, stress adversely affects interpersonal, social, and working relationships.
Clarity of mind, psychological equilibrium and watchfulness can be reduced, and negative inner thoughts can flood a person's mind which emotional intelligence can help control, repair, and calm [16]. Those who do not recognize and understand their emotions have many difficulties in labelling and controlling them. This in turn brings about difficulties in the proper handling and management of stress resulting in deterioration of mental and physical condition of the person. People who have higher levels of emotional intelligence are less likely to succumb to the adverse effects of stress indicating that the ability to regulate the perceived stress directly influences psychological and physical health, fulfilment and can lead to higher levels of pleasure [17]. Evidence suggest that EI may work as “a stress buffer” and people with higher levels of EI tend to be more flexible and recover faster from acute stress [18,19].

Plenty of empirical studies have investigated the associations between EI and stress in many fields. Kevereski et al. (2016) showed that people with high EI tend to be more capable of protecting themselves from stressful situations showing less aggression, more self-discipline and more self-esteem and they do not have the tendency to impair their mental health something that was noticed in low emotionally intelligent persons [20]. People who are skilled in recognizing and regulating their own and other emotions may be better able to cope with stressful and intense conditions [21]. Mikolajczak et al. (2008), showed that high EI (assessed with the TEIQue) was associated with more adaptive ways of managing not only stress, but also a plethora of emotions, positive and negative ones [22].

Xu et al. (2019), introduced a new method of evacuation simulation by modeling the formation and transmission of emotional panic [23]. They presented an emotional speed model (ERVO), which compounds the effect of emotional panic and local avoidance together for the first time. The results of their experiment show that the overall approach is strong, and in multi-hazard environments can generate more realistic crowds and the dynamics of panic emotions in a crowd. In this direction, similar studies have been done to illustrate the critical role the emotional condition plays in decision-making processes in crowd movement [24,25].

An important and respectable place where increased stress is observed is that of education. Anxiety exists in both teachers-professors and students-university students. Mérida-López & Extremera (2017) through an extensive literature review showed the negative associations between emotional intelligence and teachers’ burnout and highlighted the importance of emotional intelligence in coping with a variety of working stressors [26]. Zysberg et al. (2016) investigated the correlation between emotional intelligence, personality, stress, and burnout among educators showing the potential role of EI in learning settings [27].

Similar research shows the mediating role of emotional intelligence in reducing stress levels in students [28,29]. Emotional intelligence will help students to manage stress in educational processes, in interpersonal/intrapersonal relationships, improve self-awareness and will contribute to their physical and mental well-being. Houghton et al. (2012) developed a model showing that emotion regulation strategies facilitate stress coping among students [30].

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An area where increased stress and pressure is also observed is that of the medical field. Research on medical students has shown that emotional intelligence is an important factor in managing stress and in better adjustment [31,32]. Medical students with higher levels of emotional intelligence seemed to experience stress levels, but they have the ability to recover faster when engaged in demanding situations in their work area and they are more capable of dealing with them [33]. In several studies, it is also being underlined the importance of integrating Emotional Intelligence in the curricula of medical education for its development by students [34,35]. Furthermore, emotional intelligence allows nurses to develop therapeutically relationships to meet patients’ needs, to interact empathetically with patients and patients’ families and to better manage stress either their own or that of others such as patients, nursing staff etc. [36].

Another study shows that emotional intelligence mitigates stress and fosters trust is that of Rezvani et al (2019) who examined the impact of EI among software developers working on information systems projects whose working conditions are challenging and rigorous and the levels of stress are increased [37]. Furthermore, the dominant role of emotions in leadership and in working climate is evident [38]. Emotional intelligence can play a vital role in negotiations and mediations where stress may occur. The effective negotiator or mediator besides economic, political, and physical aspects of the process must be aware and manage his or her own emotions but also those of others that are taking part in the procedure [39].

Berrocal et al. (2006) examined the correlation between EI, anxiety and depression among adolescents [40]. Their study revealed that emotional skills are a significant factor to better psychological adjustment. In addition, self-reported EI was negative correlated with levels of depression and anxiety. Other studies’ results attest that recognition, discrimination and regulation of emotions are a strong indicator of a better sanity, mental balance, and increased self-esteem [41].

Lack of understanding and inability to control emotions can increase the negative impact of dealing with stress which can have a detrimental effect on health, as misbehaviors and misguided strategies for coping with stress can be adopted. The emotionally intelligent individual would have the ability to cope with such stressful events through alternative strategies for regulating negative emotions (transactional) [42]. A few studies have found that inducing more adaptive mindsets could increase positive emotion, reduce negative health symptoms, and boost physiological functioning under acute stress [43,44].

However, being emotionally intelligent without being active will not bring the desired results. You must have self-awareness, try to improve, and motivate yourself, have the will to be better and develop the emotional skills you already have to manage to get to higher levels. Gohm et al. (2005) in their research stated that EI is auxiliary in the reduction of stress but only among individuals who were also high in self-reported EI (TMMS) [45]. People who had high EI potential but were unaware of their level of emotional intelligence experienced more stress [45].

People who are self-aware, know their abilities, their weaknesses, their emotions and have self-control, may recover more quickly from a situation that has caused them discomfort and probably will focus from the beginning on the problem, on the causes that
have created it and they will prioritize and select ideal alternatives for its solution (problem solving) [46].

2.2 Emotional intelligence and its contribution to a pandemic: COVID-19

The virus brought about many changes in our daily lives. Handwashing, no face touching, gloves and masks, self – isolation, social distancing measures, shut down of public life may have negative effects on both mental and physical health of people [47]. Many of these negative effects can last much longer than the existence of the virus. Concurrent anxiety about the virus and its spread will increase stress levels and any other physical or mental disorders. The abrupt and complete change of daily life comes to trigger the whole difficult and strange situation.

Individuals worry about their lives and the lives of their family, friends, and relatives. The poor, the weak and the ill are especially vulnerable and affected. Another social group which needs a lot of attention and empathy is the older people [48]. When Covid-19 was on the rise everything was done from home such us school, work, shopping, play etc. The closure of shops, businesses - small and large - wage cuts, mass layoffs, economic crisis, uncertainty about the future create a domino of negative reactions. Another worrying issue is the matter of xenophobia, discrimination and social stigma toward people, places or things which may have long term consequences [49,50]. Schools’ closure was another drastic measure to limit the spread of the disease which led to a considerable number of changes [51,52].

One of the central emotional responses during a pandemic is fear [53]. When in peril, people panic-especially when in crowds [54]. Emotional reactions such as fear and anxiety are normal, and they are an indication that our body's natural defense mechanisms have been activated. The problem begins to arise when negative emotions cannot be managed and reach higher levels which may lead to mental distress with irreparable consequences [55]. Integrating mindsets that cultivate emotional intelligence can help people improve stress levels and utilize creatively the negative emotions during a pandemic for positive development and progress. Stress researchers [56] have developed the “3 Cs” model to account for resilience in stressful situations: control, coherence, and connectedness. These are characteristic elements of emotional intelligence at higher levels.

The pandemic of Covid-2019 take us back to similar crisis situations like the SARS outbreak where many psychiatric morbidities had been recorded [57]. Same negative symptoms had been reported during the Ebola virus outbreak and the H1N1 influenza outbreak [58,59]. Health professionals had also reported negative psychological consequences to the medical staff [60,61].

At this point, emotional intelligence comes to the fore and its role is a catalyst for not panicking but for better management from all sides. Negative, unrecognized, and uncontrolled emotions such as stress, anxiety, and panic can be as contagious as the new disease. Emotions are also recognized as one of the three or four fundamental categories of mental operations. These categories include motivation, emotion, cognition, and consciousness [62]. Positive emotions promote many phenomena documented in cognitive psychology, while a negative feeling inhibits them [63,64] and they also play
a meaningful role in the process of coping with stressful situations and better management [65,66]. Individuals with positive emotions and positive mindsets, demonstrate better coping strategies and are more innovative in their thinking and more resilient [67,68]. Loving-kindness meditation (LKM) is a practice where positive emotions are increased, and negative emotions are decreased. By displaying positive emotions such as compassion, kindness, and empathy, it can then have a contagious effect on others and provide benefits like improving well-being and emotional intelligence [69,70]. We must not only stay in the realm of the "I", but also move on to the "we".

In difficult times we must act on the basis that we are all in this together, for the common good [71], considering the feelings and needs of others, indicative of emotional intelligence. Individuals from many sectors charged to help people – infected or not from the Covid-19 – must be able to put themselves in other shoes and see things from their perspective. Studies have shown that doctors’ levels of EI and attachment styles have a positive impact on emotional responses of patients [72]. At the present stage doctors’ and nursing staffs’ EI is a determining factor. Working with doctors and nurses with higher levels of EI make patients feel better, safer, have greater contentment [73] because they feel that professionals also care for their concerns and their needs, beyond the medical part [72,74]. At the same time, emotional intelligence helps the experts to cope better with their work. It assists them personally, to get to know themselves better, their emotions, to control them, and to better respond to difficult medical situations that create anxiety. Simultaneously, emotional intelligence helps doctors and nurses decode patients' emotions, and thoughts [75] and in this way they better approach and give aid to them to face their illness and their psychological state which plays a decisive role in the outcome of a treatment and a disease. It is important for doctors to communicate on all levels and understand patients’ stress or other psychological factors that they are maybe displaying. It is understood that high emotional intelligence can provide doctors with the required knowledge and skill set to be more empathetic, to be more flexible in the methods of approach and facilitate behavioral factors [76,77].

Shanafelt et al. (2020) presented the concerns, the sources of anxiety and the requests of the experts in the health systems, who are in the forefront of help every day, especially in these difficult times [78]. Among the many and important ones is the request from the leaders for support for their emotional needs and point out the significance of genuine gestures of gratitude for their loyalty and their superhuman efforts to care and save their patients putting their own lives in immediate danger [69]. Medical staff must have elements of emotional intelligence to first help themselves and then render assistance to patients either daily or now in this strange and difficult period [79].

Sometimes, like in the current state, we cannot control what has happened, but we can control our reaction to what is happening. Kleinberg et al. (2020) conducted a ground truth dataset on the emotions and the concerns of people in the UK regarding Covid-19 [80]. Participants were asked to indicate their emotions and express them in short or long texts. The quick and huge emotional response (5,000 texts) reveals people’s need to express their emotions in public in those difficult times and the need for empathy and somebody to share with.

In times of emergency, it is all too easy to turn inward and focus solely on yourself or your family unit. But research suggests that caring about others is one of the best
ways to fight feelings of isolation and distancing [81]. Even though we have taken measures to protect ourselves against the spread of the virus, we do not need to be emotionally distant. Providing empathy and kindness is an important factor in better coping with a difficult situation and quickly recovering in the aftermath of the crisis. Empathy is a supporting and important element for those who express it and for those who receive it. Practicing empathy during the COVID-19 pandemic not only broadens your spiritual horizons for what others are feeling, thinking, and experiencing, but it can also lead to social connectedness that can help people with combat and stressful feelings [82].

A study conducted to identify the best practices and lessons learned during the 2009 H1N1 pandemic public information and crisis communication campaign emphasizes that an effective communication from all the stakeholders should contain the authentic expression of empathy [83]. Communication laced with emotional intelligence is the bond that binds stakeholders and the public by empowering both, especially the latter. Otherwise, nervousness, anxiety, ambiguity, and insecurity will prevail with conflicting and controversial results [84].

In situations of crisis and panic, a decisive, encouraging, and motivating role belongs to the leadership, whether it is leadership at work or leadership of a country. When people panic, leaders need to cultivate a sense that “we are all in this together” [85]. Empathy is important to understand what kind of emotions are at play and what communicational approaches to use to improve people’s emotional responses in an emergency [86]. An emotionally intelligent leader will handle any crisis, big or small, probably better than someone without EI competencies. Self-awareness, self-management, social-awareness, and relationship management - can help a leader cope with any kind of crisis with lower levels of stress, less emotional reactivity, and fewer unintended consequences. Messages and speeches from leaders, specialists and authorities should not be limited to provide only information but should be designed to elicit positive emotions too other than negative ones [87]. To instill a positive mindset and reduce stress as well as change behavior, both emotional and empathetic elements need to be present [88,89]. To deal with a crisis, it would be advantageous to have an open and empathetic communication approach [90] that would result in trust and positive action [91]. Unity and cohesion are important, so people feel supported and not alone in such a difficult time. They need someone to understand them to remain optimistic, resilient, and adaptive. In a study, Veil et al. (2011) provided examples and guidelines on how social media can be used to help professionals follow best practices in risk and crisis communication [92]. Among the instructions and the guidelines, they pointed out the significance of communication with compassion, concern and empathy and they added that recognizing and understanding emotions allows for an open exchange that humanizes the reaction to a crisis. Moreover, they highlighted the fact that social media should listen to the public’s concerns. Their truly emotional words, authentic speech and empathetic support will help people feel confidence, be strong and have hope [93].

On the other hand, social networks can also foster a sense of connection [54]. Today, technology is an integral part of our lives. Even more at this difficult time, people are connecting to social media to be informed about the disease, but they are also connecting to social groups to interact, to talk about how they are experiencing the situation, to
express their emotions and to gain strength and courage from others. Additionally, information-rich, dyadic, and temporarily synchronous technologies tend to be best suited to producing empathy and connection [94]. Digital social and psychological support for vulnerable people bolster their psychological well-being and social regulation [95].

WHO (2020) urges people to be empathetic to all, infected or not, to support emotionally people in need and to be helpful with various ways [96]. Moreover, WHO points out that it is reasonable to feel pressure and stress in the current situation, but it encourages us to pay attention to our needs and emotions and to try to manage and ameliorate our mental health and our psychosocial well-being. Children must be also motivated to express their emotions thus emphasizing the important role of emotions (expression and recognition) at all ages and in all social situations even more on those that evoke negative ones.

3 Discussion and Conclusion

Stress is a situation with uncontrollable and negative results in which a person may show inability to cope and therefore causes constant changes in the mind, in the emotions and in the mental processes of the person. [97]. Stress, as an intense emotional state, has characteristics that should make it stand out when a person is overwhelmed by it and it would be more constructive to be properly managed by people who are under pressure and those around them. [98].

Individuals who understand the nature and the causes of their feelings, and who are proficient in emotion-regulation abilities, are generally less likely to collapse under the pressure of experimental or real-life stressors; they are also more likely to take precautionary measures for the restoration of their emotional balance and the resolution of their problems. In addition, the conscious use of EI resources, whether assisted or inherent, helps maximize the effectiveness of the overall response effort. Adaptive coping, in turn, helps reduce the intensity and duration of stressful experiences and thus, minimizes the creation of health problems associated with chronic hyper-activation of physiological stress-response systems. An emotionally intelligent person, when under pressure and in difficult circumstances, may have superior skills that allow him or her to manage a stressful situation directly and effectively or to take advantage of this situation as a source and motivation for learning and intellectual and spiritual growth [99]. Emotional intelligence empowers people to be effective at reducing fear and worry as well as enhancing resilience and recovery during the CoVid-19 pandemic and the years that will follow.

Empathy is always important, but it is particularly vital during a public health crisis [100]. Empathic listening helps people express emotions, reveal inner thoughts, be strong, decrease stress because someone else listens and gives full attention to their needs and concerns. In these ways it is possible to find meaning and cope effectively with fear and the challenges presented by the pandemic or any other challenges that may occur [69,101]. Empathy can act as a mediator in the healthy maintenance of mental and physical health as individuals through the whole process are evolved cognitively and emotionally [102]. In their study Pfattheicher et al. 2020 show that (i) empathy is
indeed a basic motivation for physical distancing, and (ii) activating empathy for those most vulnerable to the virus mobilize them to adjust to physical distancing [103].

According to Goleman, the “minds” of an individual, the rational and the emotional, are both together responsible for shaping the individual as a personality, for shaping his future and for dealing with everyday challenging scenarios [104]. Research has also shown positive association between emotional intelligence and mental processes [105,106]. Emotional intelligence (E.I.) implies the ability to reason accurately about emotions. It is the effective use of emotions and emotional knowledge to further enhance the thought process [8]. When a decision must be made people use their rational thinking considering the positive and negative attributes of a situation. But people cannot be separated from their emotions. In handling a critical and stressful event our emotions are present for the proper action and decision [107,108]. An emotionally intelligent individual will recognize stress or other negative feelings, will not panic, will handle these emotions because he/she has self-control and self-management and as a consequence he/she will detect stress and anxiety to other individuals and due to social management will provide the necessary help because the final target is common: to be optimistic, to be resilient, and to overcome a difficult situation whether it is called a virus or something else.

The planet sounds the alarm bell. Cognitive intelligence must work together harmoniously with emotional intelligence for the common good. People need to acquire self-social awareness and self-social management for the universality of emotions to exist and to remedy stressful situations and global problems. Each of us is part of a community and at the same time we are part of a global community. We belong to a more general social whole. That is why we tend to take care of each other and seek the social and emotional support of others. On the global epidemic, we realized that the world community is interconnected and that various pathogens are not limited to borders between countries and states [109].

Because of EI’s significance there should be a thought about including courses and programs for cultivating, developing, and enhancing emotional intelligence at all levels of education [110-112]. The training of emotional skills, besides cognitive and social ones, is necessary. The pandemic has brought to the surface structural changes that need to be made, starting mainly in the field of education [113].

In the article, an attempt was made to show the positive role of emotional intelligence in reducing or eliminating stress in various areas. Then we focused on the important role of emotional intelligence in an intense stressful situation like the one with the pandemic.

“According to Darwin’s Origin of Species, it is not the most intellectual of the species that survives; it is not the strongest that survives; but the species that survives is the one that is able best to adapt and adjust to the changing environment in which it finds itself.” [114]

Megginson, 1963.
4 References


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