# The BodyMind Approach® to Support Students in Higher Education: The Relationship Between Student Stress, Medically Unexplained Physical Symptoms and Mental Health Helen Payne

This article proposes that The BodyMind Approach® (TBMA) (Payne, 2009) can be employed as an innovative psychoeducational intervention targeting the many students in universities with medically unexplained symptoms (MUS) (such as chronic pain/fatigue, fibromyalgia, headache or backache for which tests/scans return normal), often with co-occurring anxiety/depression. It provides a rationale for TBMA by exploring benefits in the context of the relationships between student stress, MUS and the substantial increase in mental ill-health in higher education provider (HEP) settings. By contributing to the discussion on how to enhance student helpseeking behaviour for chronic stress/mental health difficulties, TBMA has the potential to advance knowledge and facilitate theory development in mental health within HEPs. Although not reporting research here, TBMA has shown encouraging outcomes in the UK National Health Service (Payne & Brooks, 2017, 2018, 2020).

TBMA emphasizes the cultivation of good mental health and sustained resilience through participants learning to self-manage stress, associated with MUS, by integrating body with mind. Previous studies on body-oriented approaches for MUS (Röhricht, Sattel, Kuhn & Lahmann, 2019; Papadopoulos, Burrell, Smith, & Röhricht, 2017) have shown positive results. Students may be more able to live well with their bodily distress by learning to self-manage rather than experiencing consequences such as reduced emotional resilience, and/or mental health conditions due to overwhelming stress. TBMA could contribute to overall mental health and wellbeing by, for example, increasing early help-seeking behaviour and academic outcomes, and reducing referrals to oversubscribed counselling services and/or withdrawals from studies. It is hoped this discourse will help inform organizational practices and educational policies aimed at supporting student mental health and wellbeing.

### The BodyMind Approach®

Current HEPs' interventions address solely the psychological elements of MUS, and only with verbal methods. This, despite many students feeling unable to access such services due to stigma, defensive verbal communication to avoid emotion, their explanatory model being solely physical, or if non-native speakers, for example. Students can access medication/pain management or more tests/scans which treat these bodily symptoms only, neglecting the associated stress/anxiety/depression. No current intervention caters for *both* the emotional and bodily distress, attracts less stigma, reduces avoidance behaviour and employs nonverbal, embodied methods rather than verbal language alone. Since many students do not disclose or seek help for chronic stress/mental health difficulties, a psychoeducational intervention targeting students with MUS may be more acceptable, reducing fear of judgement thus increasing numbers benefiting from support.

TBMA is designed for students not coping with their MUS to learn to self-manage both symptoms, and the emotional counterpart, to improve and sustain good mental health. The conceptual framework proposed highlights how an innovative, holistic TBMA learning and teaching programme, addressing the inter-relationship of body with mind, might contribute to supporting students as part of an integrated whole-university approach towards mental health.

Derived from the arts therapies, TBMA is research-informed, employing findings from adult and experiential learning, mindfulness, emotional regulation, neuroscience, embodied social cognition, attachment, self-management and MUS (Payne & Brooks, 2019; Payne, Jarvis & Roberts, 2019) (Figure 1).

## Insert fig 1 here

TBMA groups comprise 12 two-hourly sessions over 10 weeks. Pre and post monitoring, together with the formulation of a tailor-made action plan for embedment over the subsequent six months are included. From piloting TBMA training online it would be possible to deliver TBMA online for students.

2

TBMA employs embodied, enactive practices such as bodymindfulness, movement, writing, mark-making or collage to help make meaning from sensory experiencing in the body. By exploring sensory experiences of symptoms, and associated emotions, and practicing tracking these, 'signals', sent by the body about emotions, symptoms can be perceived in a new way. For example, learning to notice subtle tightening or retreating in the body in response to a possible threatening situation (Craig, 2002; Dael, Mortillaro & Scherer, 2012). Becoming conscious of, and receptive to, this interoceptive response can lead to feelings of control, agency and emotional resilience. TBMA promotes kind attention to bodily sensations, monitoring signals from interoceptive awareness, with an exploratory interest, rather than emotional reactivity and negative appraisal. Attention toward any interaction between sensation, emotions and thoughts, supports body with mind connectivity. Movement is an innate mechanism for auto/self-regulation (Shafir, 2015). An increased awareness of movement can support emotional regulation towards internal/external stimuli, giving more choice and skills to adapt, so needs are met.

TBMA appears acceptable and more accessible to people experiencing MUS than psychological therapy (Payne & Brooks, 2020). Research (N=90) shows TBMA can sustain engagement (97 percent); reliably reduce symptom distress (63 percent), anxiety (42 percent), and depression (35 percent); and increase overall activity (58 percent), wellbeing (55 percent), and functioning (35 percent) (Payne & Stott, 2010; Payne, 2014), sustained over six months (Payne & Brooks, 2017).

Approaches that integrate practices to promote multiple dimensions of students' wellbeing, such as the bidirectionality of body with mind, are limited (Moses et al., 2016). Stress reduction, counselling or mindfulness focus on reducing anxiety/depression (Church, De Asis & Brooks, 2012; Deckro et al., 2002; Regehr, Glancy & Pitts, 2013), and are usually conducted individually, whereas group support, found in TBMA, helps reverse isolation. Interventions targeting pain, self-help/social support, wellbeing, academic performance, resilience, persistence and retention, ignore psychological aspects (Mattanah et al., 2012; Robbins, Oh, Le & Button, 2009). TBMA addresses both physical and emotional health simultaneously by firstly working with the bodily distress, and subsequently, leading to self-management of the symptom (dis)stress-response.

TBMA, designed as a class for learning how to manage symptoms, might be more appealing to students than counselling/psychological approaches. TBMA, promoted as supporting sustained wellbeing in body and mind, helping the learning process, improving grades, preventing excessive stress, may increase help-seeking behaviour. Classes might prevent any associated mental health difficulties from escalating, or even occurring since MUS can be a precursor.

The advantages of TBMA include reducing a) the possibility of new conditions, b) exacerbation of existing concerns, c) isolation anxiety/depression, and increasing a) activity, b) wellbeing, and c) feelings of control when living with uncertainty. Wordage is insufficient to describe TBMA, but details are available (Payne, Jarvis & Roberts, 2019).

# Stress and its Relationship to Student Mental Health

Whilst stress is part of life people respond, and experience it, differently. Any threat towards something cared about, such as employment, results in stress. Threats are due to demands exceeding the capacity to cope. The initial stress reaction is helpful - alerting us to what matters, find our comfort-zone or change our lives to cope. When stressors are excessive, multiple, and sustained, they can reduce mental health and cause bodily symptoms (Clarke, 2016). Vulnerability to excessive stress can result in poor emotional self-regulation, reduced resilience to manage, and/or MUS/mental health difficulties.

A history of trauma can lead to a pre-disposition for stress overflowing. When potential threats are perceived, such as students feeling out of control due to academic demands, transition, uncertainty or isolation, the stress response kicks-in. When that threat feels bigger than the capacity to cope, the stress response gets stuck in the body. The unconscious body-brain wants to avoid that situation repeating, so, if a similar situation/or felt-experience to past trauma is involved the reptilian brain responds in that same way.

Targeting vulnerable student groups may help to prevent high stress levels to avoid mental illhealth (Universities UK, 2019) and/or MUS (Kroenke & Price, 1993). TBMA, by supporting students to learn to manage stress through managing their MUS (via self/body compassion), and emotional regulation, may improve students' resilience and ability to cope with threats (De la Fuente et al., 2008). Some new factors involved in these higher student stress levels which are leading to increased mental health concerns, and/or MUS, are presented as a context and rationale for delivering TBMA in HEPs.

## New Factors Affecting Student Stress Levels

Students have always experienced stress, but in the UK nowadays there is more due to new, complex, and multi-faceted factors, leading to, or exacerbating, mental health conditions, or impacting students vulnerable to stress.

The rise in the percentage of children and young people with mental health difficulties in England, together with the widening participation government policy for HEPs, has resulted in more students entering with a diagnosis, or with fragile mental health. Consequently, any increase in stressors may have a knock-on effect on already delicate mental health.

The government's policy of 50 percent of all young people entering HEPs led to growing numbers from disadvantaged backgrounds. This policy is measured by the Higher Education Statistics Authority (2018) using indicators of: a) low neighbourhood HEP participation, b) parents not having attended HEPs, and, c) increased enrolment from state schools/colleges. Poor mental health in disadvantaged populations (social, economic, cultural or political) is higher (Meyer, Schwartz & Frost, 2008), and associated with substantially greater risks of common mental health conditions (House of Commons Education, Health & Social Care Committee, 2018), and MUS (Kroenke & Price, 1993). These students experience more stressors, such as likely feeling more isolated, increased pressure to succeed, less support, and poorer financial security (Williams et al., 2015), so are exposed to stress overflowing resulting in mental ill-health and/or MUS. Indeed, reports from this policy anticipated increased mental health difficulties (Department for Business Innovation & Skills, 2013).

Early research suggests change and transition are stressful (Hobfoll & Walfisch, 1986). Students have always had to adjust to substantial change transitioning to unfamiliar HEPs when growing from adolescence to adulthood, dependence to independence, acclimatising to changes in lifestyle and increased study demands. Since greater numbers now are fragile to mental health difficulties change/transitions can be more problematic. Leaving supportive family, friends, school, usually going to a strange city with unknown people, can tip the balance for students who previously managed. When transitioning to HEPs, returning from vacation or going on placement, stress will be experienced positively or negatively depending on mental health history. For some, these stressors may feel additional being more vulnerable to stress, TBMA could interrupt this cycle preventing excessive stress leading to severe mental ill-health.

Economic factors can be a stressor, for example, where a full-time student is having to work because of a lack of parental financial contribution to the maintenance loan (due to economic status). The rise in tuition fees (covered by a student loan) results in partial increases in undergraduates' mental health difficulties (Richardson, Elliott & Roberts, 2015), and as debt (student loan) links to poorer psychological functioning and students considering withdrawing (Cooke et al., 2004; Walsemann, Gee, & Gentile, 2015).

The competitive employment market pressurises students to gain the highest degree level. An increase of only 10 percent of graduate jobs occurred since 2001, and, in the third quarter of 2017 49 percent of all recent graduates worked in non-graduate roles (ONS, 2017). This shortfall will likely increase substantially in forthcoming years.

The proportion of domiciled first year students disclosing a mental health condition in 2015/16 was five times that in 2006/07 (Institute for Public Policy Research, 2017). Despite this, students often do not disclose conditions (The Equality Challenge Unit, 2014) risking deterioration. Additionally, half in need do not seek help (The Equality Challenge Unit, 2014). Over time, struggling alone may lead to more stress and severity of MUS/mental ill-health, affecting study sustainment. TBMA appears more acceptable and accessible, thereby increasing help-seeking. There is safety in self-referring to an intervention for the overtly presenting physical symptom, and when perceived as a class for learning, rather than as psychological therapy for mental health concerns.

Any combination of these factors can be additional stressors contributing to increased student mental ill-health, especially hard to cope with if feeling unsupported, already fragile to excessive stress, and with a diagnosed/undiagnosed mental health concern and/or MUS. TBMA, in supporting students to self-manage MUS, may not only decrease excessive stress, but sustain robust, emotional health and wellbeing and increased connection with the collective.

#### **Student Stress and Medically Unexplained Symptoms**

Just as MUS can lead to, and is associated with, excessive stress (Mobini, 2015), high stress levels can result in MUS, and mental, and/or physical illnesses (Schneiderman, Ironson & Siegal, 2005). In a University College London (UCL) Union survey students complained of anxiety, depression, physical pain and insomnia, in that order (UCL, 2019). If students complain of the physical symptoms of excessive stress almost as much as the emotional ones, then TBMA can effectively support both. Physical symptoms (for example, pain, insomnia, eye twitching, fatigue) alert us to the effects of a threat/pressure i.e. a stress response in the body. TBMA can educate students to notice and understand these signals to learn how to self-manage stress, hopefully before symptoms (another stress) overflow to trigger mental health difficulties. Left unchecked these stresssymptoms can develop into chronic MUS. One in six GP consultations are for MUS (Rosendal, Carlsen, Rask, & Moth, 2015; Steinbrecher, Koerber, Freiser & Hiller, 2011). MUS mostly affects women, young people (Steinbrecher, Koerber, Freiser & Hiller, 2011; Nimnuan, Hotopf & Wessley, 2001; Reid, Wessely, Crayford & Hotopf, 2002) and non-native speakers (Verhaak, Meijer, Visser, et al., 2006), all of which number highly in the student population. There is a high prevalence of MUS in students, often with co-occurring anxiety, depression, and chronic stress (Henningsen, Zimmermann & Sattel, 2003). Consequently, MUS it is an important area of concern related to improving student mental health/wellbeing.

MUS treatment is normally via mental health services but for only the most severe presentations of IBS (Laird et al., 2016) with anxiety/depression, except for graded exercise for chronic fatigue (Cochrane Review, 2008). Most MUS sufferers find mental health routes unacceptable due to their explanatory model as physical, rather than psychological (Heijmans et al., 2011). Since TBMA focusses on the stress-experience of the symptoms firstly, it is attractive, fitting with this mind-set.

When adaptive stress responses kick-in, previous unresolved threats to survival, safety or wellbeing are stimulated, and unwanted stress pours into the 'stress bucket'. The result can be a chronic stress state, often manifesting as MUS, causing even more stress (as the threat is in the body) in a downward spiral if interruption to the iterative cycle is unforthcoming (Mobini, 2015). TBMA is designed to interfere with this cycle, realigning body with mind for healthier functioning, and overall wellbeing. Symptom distress can be the tipping point for future deterioration and complex mental health conditions if not addressed early (Chew-Graham et al., 2017). Yet, so far, there is no early pathway for learning self-management of MUS in HEPs. TBMA can fill this gap. In the context of student mental health, an understanding of the ramifications of excessive stress in student life is important when considering how to address this critical issue. Excessive stress, MUS and mental

health are inextricably related. To stem the substantial rise in student mental health concerns, undue stress, and associated MUS, HEPs need appropriate interventions.

#### **Student Mental Health**

In the UK, mental ill-health is responsible for 23.8 percent of the disease burden (World Health Organisation, 2018). Almost a quarter of adults experience at least one mental health condition each year in England (NHS Digital, 2014). Student mental health difficulties have grown immensely, mirroring the rise in the diagnosis of children and young people (NHS Digital, 2018). From 2,169 applicants, and 6,504 current students, 12 percent reported mental health difficulties, 32 percent 'often/always' felt down/depressed in the previous four weeks, and 30 percent 'often/always' felt isolated/lonely (Unite, 2016). Over the last ten years the number of student suicides rose (Office of National Statistics/ONS, 2018), and attrition rates grew due to mental ill-health (Marsh, 2017). One in four students reported mental health problems (YouGov, 2016), and nearly five times as many as 10 years ago disclosed a mental health condition (Thorley, 2017).

Mental health difficulties peak between 16-24 years, overlapping the median age of students. Kessler et al., (2005) found 64 percent of students (and 83 percent of undergraduates) are between 16-24 years, as today, with 75 percent of mental health problems established by age 25. The increased numbers in this age range results in more mental health difficulties, driven by women who are almost three times more likely to experience mental ill-health than men. The proportion of 16-24year-old women students with mental health difficulties increased by 38 percent from 1993-2014, whereas it decreased by three percent for 16-24-year-old men (NHS Digital, 2014). Since 2015, more women than men have consistently entered UK universities (Higher Education Statistical Authority, 2018). Consequently, with widening participation, more women than men are entering HEPs with a diagnosed/undiagnosed mental health condition. Mostly women participated in TBMA health-service deliveries. It is envisaged TBMA could contribute to improving the mental health of women students. The increase in student mental ill-health is not solely in the UK. In the USA, Soet and Sevig (2006) explored the history, coping and mental health distress levels in one university, and provided recommendations for research, policy and practice. Kitzrow (2009) acknowledged the needs and challenges posed by the increase in students with serious psychological problems seeking counselling onsite. Iarovici (2014) raised concerns that student mental health was becoming a crisis for HEPs.

The increase in undergraduate mental health difficulties was highlighted in the UK media (Marsh, 2017), although students always had mental health difficulties. As far back as Roberts et al., (1999) student mental health in two London universities was substantially lower than in the general population, supported later by Stallman (2010). Cooke et al., (2006) found mental health levels never returned to those of pre-enrolment in 4,699 students. Webb, Ashton, Kelly and Kamali (1996) reported student anxiety at 54 percent, and depression at 13 percent; and Bewick et al., (2008) also found anxiety higher than depression for 1,129 students. Andrews and Wilding (2004) surveyed 351 students one month before starting university and at mid-course. Nine percent of those with no symptoms before university had depression, and 20 percent had clinically significant anxiety by mid-course. In a year, a quarter of students reported psychological distress associated with increased risk of anxiety, depression, substance abuse and personality disorders (Verger et al., 2009). Anxiety, associated with excessive stress, appears to be a major concern for students.

Only 27% of students thought their university provided adequate mental health support (NatWest Student Living Index, 2020). The Equality Challenge Unit (2014) found half experiencing mental health difficulties had not received support, and that students were unwilling to disclose/seek treatment fearing other students thinking less of them or receiving unfair treatment from their institution. The biggest challenges for students with mental health difficulties were fearing judgements and being shown as weak (Byrom, 2014). TBMA circumnavigates these barriers since it engages students based on their MUS, rather than their mental health/stress presentation. The fears evaporate, so participants can sustain involvement over 12 sessions.

#### Conclusion

Mental health difficulties will continue to increase for students (NHS Digital, 2018). Higher education policies and wellbeing services have a long way to go in their legal duty of care to avoid harm, support, and co-produce strategies to support mental health. There is an opportunity now to consider joined up approaches to transform cultures and embed initiatives beyond wellbeing services, to improve help-seeking, decrease isolation and promote a shared purpose. Leaving students to struggle may result in more mental health difficulties, increased distress for those already diagnosed, and the onset of more chronic, debilitating MUS.

Stones and Glazzard (2019) recommend an institution-wide approach to eradicate stigma, enabling students to be mentally healthy, and extending beyond provisions targeting solely mental ill-health. Since there are overlaps between the body, mind and aspects of wellbeing (Checkoway, 2011), TBMA classes could be offered at induction, before/after transitions, placements, examinations and deadlines. This may support help-seeking by reducing stigma and attending to students' physical (and emotional) distress as part of an overall mental health and wellbeing strategy based in student services/faculties/schools. It will be crucial to research the intervention as context; referral system and population all differ from those in the health service.

There are unique opportunities now with the UK University Mental Health Charter (Hughes & Spanner, 2019) to review the way student mental health is regarded, and which evidence-based interventions are accessible and acceptable to *all* students, not only those able to engage with student wellbeing services.

# **Declaration of interest statement**

The author confirms there is no conflict of interest.

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