- Cloitre M, Shevlin M, Brewin CR, Bisson JI, Roberts NP, Maercker A, et al. The International Trauma Questionnaire: development of a self-report measure of ICD-11 PTSD and complex PTSD. *Acta Psychiatr Scand* 2018; 138 (6): 536–46.
- 12 Cloitre M, Hyland P, Bisson JI, Brewin CR, Roberts N, Karatzias T, et al. ICD-11 PTSD and complex PTSD in the United States: a population-based study. *J Trauma Stress* 2019, in press.
- 13 Kessler RC, Chiu WT, Demler O, Walter EE. Prevalence, severity, and comorbidity of 12-month DSM-IV disorders in the National Comorbidity Survey Replication. Arch Gen Psychiatry 2005; 62(6): 617–27.
- 14 Karatzias T, Hyland P, Bradley A, Cloitre M, Roberts NP, Bisson JI, et al. Risk factors and comorbidity of ICD-11 PTSD and CPTSD in a nationally representative sample of trauma-exposed adults from the United Kingdom. *Depress Anxiety* 2019; 36(9): 877–94.
- **15** Karatzias T, Shevlin M, Fyvie C, Hyland P, Efthymiadou E, Wilson D, et al. Evidence of distinct profiles of posttraumatic stress disorder (PTSD) and complex posttraumatic stress disorder (CPTSD) based on the new ICD-11 Trauma Questionnaire (ICD-TQ). *J Affect Disord* 2016; **207**: 181–7.
- 16 Murphy D, Ashwick R, Palmer E, Busuttil W. Describing the profile of a population of UK veterans seeking support for mental health difficulties. J Ment Health 2017; 6: 1–8.
- 17 Brewin CR, Cloitre M, Hyland P, Shevlin M, Maercker A, Bryant RA, et al. A review of current evidence regarding the ICD-11 proposals for diagnosing PTSD and complex PTSD. *Clin Psychol Rev* 2017; 58: 1–5.
- 18 Bernstein DP, Fink L. Childhood Trauma Questionnaire: A Retrospective Self-Report: Manual. The Psychological Corporation, 1998.
- 19 Vallieres F, Ceannt R, Daccache F, Daher A, Sleiman J, Gilmore B, et al. ICD-11 PTSD and complex PTSD amongst Syrian refugees in Lebanon: the factor structure and the clinical utility of the International Trauma Questionnaire. *Acta Psychiatr Scand* 2018; 138(6): 547–57.

- 20 Gray MJ, Litz DT, Hsu JL, Lombardo TW. Psychometric properties of the life events checklist. Assessment 2004; 11(4): 330–41.
- 21 Raftery A. Bayesian model selection in social research. *Social Methodol* 1995; 25: 111–64.
- 22 Murphy S, Elklit A, Dokkedahl S, Shevlin M. Testing the validity of the proposed ICD-11 PTSD and complex PTSD criteria using a sample from Northern Uganda. *Eur J Psychotraumatol* 2016; **7**: 32678.
- 23 Hyland P, Shevlin M, Brewin CR, Cloitre M, Downes AJ, Jumbe S, et al. Validation of post-traumatic stress disorder (PTSD) and complex PTSD using the International Trauma Questionnaire. Acta Psychiatr Scand 2017; 136: 313–22.
- 24 Mark KM, Murphy D, Stevelink SAM, Fear NT. Rates and associated factors of secondary mental health care utilisation among ex-military personnel in the United States: a narrative review. *Healthcare (Basel)* 2019; 7: 18.
- 25 Karatzias T, Murphy P, Cloitre M, Bisson, J, Roberts N, Shevlin M, et al. Psychological Interventions for ICD-11 Complex PTSD symptoms: systematic review and meta-analysis. *Psychol Med* 2019; 49: 1761–75.
- 26 Ross J, Murphy D, Armour C. A network analysis of posttraumatic stress disorder and functional impairment in UK treatment-seeking veterans. J Anxiety Disord 2018; 57: 7–15.
- 27 Stevelink SAM, Jones N, Jones M, Dyball D, Khera CK, Pernet D, et al. Do serving and ex-serving personnel of the UK armed forces seek help for perceived stress, emotional or mental health problems? *Eur J Psychotraumatol* 2019; 10 (1): 1556552.
- 28 Murphy D, Howard A, Forbes D, Busuttil W, Phelps A. Comparing the profiles of UK and Australian military veterans supported by national treatment programmes for post-traumatic stress disorder (PTSD). J R Army Med Corps 2019, in press.

## psychiatry in literature

## Mary Shelley's *Frankenstein*: scientific breakthrough precipitates post-traumatic stress disorder – the literary first

## **Greg Wilkinson**

Mary Shelley's (1797–1851) *Frankenstein; or, The Modern Prometheus* (1818) is a psychiatric revelation. Prometheus created man, stole fire from heaven to benefit mankind and inspired civilisation; condemned by Zeus to eternal torment, an eagle fed on his immortal liver (seat of emotion). Shelley reanimates the allegory with deceiving, ethical, geographical, introspective, Gothic, homicidal, Romantic, scientific and theological substance.

'On a dreary night of November', Victor Frankenstein, natural philosopher and chemist, is horrified by his monstrous reanimation: 'I collected the instruments of life around me, that I might infuse a spark of being into the lifeless thing that lay at my feet. [...] I saw the dull yellow eye of the creature open; it breathed hard, and a convulsive motion agitated its limbs. How can I describe my emotions at this catastrophe [...] now that I had finished, the beauty of the dream vanished, and breathless horror and disgust filled my heart. [...] This was the commencement of a nervous fever, which confined me for several months'.

Frankenstein's monster flees; and Victor endures re-experiencing, avoidance and hyperarousal: for example 'Unable to compose my mind to sleep [...] I was disturbed by the wildest dreams', 'I trembled excessively; I could not endure to think of, and far less allude to, the occurrences of the previous night', 'Walking up and down in the greatest agitation, listening attentively, catching and fearing each sound as if it were to announce the approach of the demoniacal corpse to which I had so miserably given life', 'Mingled with this horror, I felt the bitterness of disappointment', 'I sought to avoid the wretch whom I feared every turning of the street would present to my view. I did not dare return to the apartment [...] I traversed the streets without any clear conception of where I was or what I was doing. My heart palpitated in the sickness of fear, and I hurried on with irregular steps, not daring to look about me', 'I felt my flesh tingle with excess of sensitiveness', 'I was unable to remain for a single instant in the same place', 'The form of the monster on whom I had bestowed existence was forever before my eyes', 'The pertinacity with which I continually recurred to the same subject, persuaded him [Clerval] that my disorder indeed owed its origin to some uncommon and terrible event', 'I had committed deeds of mischief beyond description horrible', 'I was lifeless and did not recover my senses for a long, long time', sight of a chemical instrument would renew all the agonies of my nervous symptoms'.

Spring brings recovery: 'By very slow degrees [...] with frequent relapses', 'perhaps never entirely', 'gloom disappeared'. Soon, murderous consequences of his creation generate despair, grief, rage, recrimination, remorse and vengeance.

In counterpoint, Mary's husband Percy Bysshe Shelley in *Prometheus Unbound* (1820) transmutes Aeschylus's Prometheus from benefactor to liberator: 'of the highest perfection of moral and intellectual nature, impelled by the purest and the truest motives to the best and noblest ends'. *Caveat lector*.

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