

Since January 2020 Elsevier has created a COVID-19 resource centre with free information in English and Mandarin on the novel coronavirus COVID-19. The COVID-19 resource centre is hosted on Elsevier Connect, the company's public news and information website.

Elsevier hereby grants permission to make all its COVID-19-related research that is available on the COVID-19 resource centre - including this research content - immediately available in PubMed Central and other publicly funded repositories, such as the WHO COVID database with rights for unrestricted research re-use and analyses in any form or by any means with acknowledgement of the original source. These permissions are granted for free by Elsevier for as long as the COVID-19 resource centre remains active.

## Correspondence

## Death in the era of the COVID-19 pandemic

Behavioural and social interventions adopted to contain the outbreak of coronavirus disease 2019 (COVID-19) are strongly affecting the way that people die in many countries, such as Italy. In health-care facilities, both infected and non-infected patients are isolated. Patients can only communicate with their loved ones via mobile phones or electronic tablets, if these patients are able to use them. For physicians and nurses, who are already overwhelmed by the emergency,1 providing support to patients helps to maintain humanity at the end of life, but might also be emotionally exhausting.

Some patients are cared for at home, mainly by their close family, if present. Visits from family members are few because of the physical distancing measures. Death as a social process has been disrupted for those dying in hospital and for those dying at home.

For example, in Italy, funeral ceremonies are forbidden<sup>2</sup> and cemeteries are closed everywhere. For families, a paucity of contact with loved ones, along with the absence of after-death rituals, make the grieving process very hard.

This scenario is not new. Visiting sick people and attending funerals and wakes were also prohibited during the 1918 influenza pandemic.

Today, modern strategies to increase communication between patients and family should be adopted. Providing patients in health-care facilities with mobile phones and electronic tablets could be a first step. Volunteers can be recruited to facilitate patient-family communication and can help patients to use devices and record and share messages to their family. Companies that produce these devices and provide mobile phones and internet connection could support this cause.

Increasing the interactions that a patient has with their family will probably not prolong their life, but might improve the quality of their life. Enhancing communication during this outbreak might also help the emotional burden on affected families and health-care workers. Live stream funeral services and wakes might substitute grief rituals, at least in part, as families wait for memorial services to resume once the pandemic passes.<sup>3</sup>

In the 21st century, our ability to react to a pandemic will also be tested by how we are able to maintain the social dimension of death and dying.

I declare no competing interests.

Copyright © 2020 The Author(s). Published by Elsevier Ltd. This is an Open Access article under the CC BY 4.0 license.

## Francesca Ingravallo francesca.ingravallo@unibo.it

Department of Medical and Surgical Sciences, University of Bologna, Bologna 40126, Italy

- 1 Nacoti M, Ciocca A, Giupponi A, et al. At the epicenter of the Covid-19 pandemic and humanitarian crises in Italy: changing perspectives on preparation and mitigation. NEJM Catal 2020; published online March 21. DOI:10.1056/CAT.20.0080.
- Lazzerini M, Putoto G. COVID-19 in Italy: momentous decisions and many uncertainties. Lancet Glob Health 2020; published online March 18. https://doi.org/10.1016/S2214– 109X(20)30110-8.
- 3 Hernández AR, Berman M. Grief amid the pandemic: live-streamed funerals, canceled services and mourning left 'unfinished'. March 23, 2020. https://www. washingtonpost.com/national/grief-amidthe-pandemic-live-streamed-funeralscanceled-services-and-mourning-leftunfinished/2020/03/23/9201e996-6bdf-11ea-abef-020f086a3fab\_story.html (accessed March 24, 2020).



Published Online April 2, 2020 https://doi.org/10.1016/ \$2468-2667(20)30079-7