When Nuance Is Not an Option: Facing Prognostication Inaccuracy at Perceived End-of-Life

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To the Editor

Discussions about the prognosis trajectories associated with critical illness are part of daily interactions between ICU physicians and patients’ surrogates. While risk of death is a common part of these discussions, clinicians commonly express such risks in broad qualitative terms [1]. This nuanced approach reflects prognostication uncertainty for individual critically patients, contrasting the marked improvements in population-level prognostication performance of contemporary severity-of-illness scoring systems [2]. Despite surrogates’ interest in prognostic information provided by physicians, the former are well aware about the limited accuracy of this information [3]. Importantly, while surrogates generally clamor for certainties in outcome expectations, the imprecision in pronouncements on death prognostication for individual patients helps sustain a much needed hope during critical illness [4].

However, the aforementioned nuanced approach may no longer apply when clinicians strongly believe, based on accumulating data, that hospital death is bound to occur, despite ongoing life-support interventions.

In order to take the next step of withdrawal of life-support in the aforementioned situation, surrogates, who often find such decisions markedly burdensome, even when it is clear that patients would consider continuation of life-support unacceptable, must have complete trust in physician’s prognostication validity. The later prerequisite is paramount in order for surrogates to abandon hope for patient’s survival, as withdrawal of life-support under these circumstances is generally considered a step with irreversible, permanent consequences. Under these circumstances, the communication by physicians can no longer be nuanced. Rather, they are expected to convey in the most compassionate manner the equivalent message of “this is it” about unavoidable death to allow surrogates to come to terms about the expected outcome.

Against this backdrop of need for trust and clarity, recent studies have quantified the substantial level of outcome inaccuracy when clinicians indicate that a given critically ill will die. Thus, Meadows and colleagues reported that even among those patients judged uniformly to die by all involved ICU clinicians, 15% survive hospitalization [5]. In a more recent study by Detsky et al, the investigators found that even among patients about whom their physicians provided confident predictions of hospital deaths, 50% of those predicted to die survived hospitalization [6]. Perhaps more sobering is the recent report by Lobo and colleagues, showing that among ICU patients in North America with a decision to withhold/withdraw life-sustaining treatment, 44% survived hospitalization [7]. Given prognostication inaccuracy, some of the deaths in the later study may represent a self-fulfilling prophecy [6].

Although our understanding of surrogates’ expectations during critical illness has markedly improved [4], we need to gain better insight into the magnitude of prognostication uncertainty, if any, that surrogates are willing to tolerate and yet proceed with withdrawal of life-support interventions when faced with expected hospital death of patients.

We cannot expect, for the foreseeable future, to gain the capability to offer prognostic certainty on hospital death to surrogates of the critically ill. However, armed with the accumulating data added by recent studies, ICU clinicians should look for means to ease surrogates’ decision-making burden when facing the realities of our limitations in individual-patient prognostication.

Conflict of Interest

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