

PUBLISHED ABSTRACT

A Quality Project to Optimize Palliative Care Consultations in the Medical Intensive Care Unit

Charles Gaulin^{1,4}, Setareh Alipourfetrati^{1,4}, Gustavo Contreras Anez^{1,4}, Jennifer Fung^{2,3,4}, Christie Mulholland^{2,4}, Howard Anthony Arabelo^{2,4} and Janet Shapiro^{3,4}

¹ Department of Medicine, Mount Sinai St. Luke's and Mount Sinai West, New York, US

² Department of Geriatrics and Palliative Medicine, Mount Sinai St. Luke's, New York, US

³ Department of Medicine, Division of Pulmonary and Critical Care Medicine, Mount Sinai St. Luke's, New York, US

⁴ Icahn School of Medicine at Mount Sinai, New York, US

Corresponding author: Charles Gaulin (Charles.Gaulin@mountsinai.org)

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Background

Effective integration of palliative care is essential for critically ill patients with advanced disease and life-threatening illnesses. Interventions such as proactive palliative care consultations, trigger-based consultations, and intensive multidisciplinary communication have been shown to improve patient care and reduce intensive care unit (ICU) length of stay (LOS). (Aslakson et al., 2014, Holloran et al., 1995, Campbell and Guzman, 2004, Lilly et al., 2003, Norton et al., 2007) Different ICUs use distinct approaches to palliative care integration or consultation, and thus, individual ICUs must find the approach which is most effective. In order to improve the quality of palliative care provided to ICU patients, we started by examining our medical ICU (MICU) approach to goals of care discussions and palliative care consultations in patients who meet established triggers for palliative care involvement.

Methods

Baseline data were obtained by a resident quality team who reviewed new admissions to the Mount Sinai St. Luke's MICU during a 2-week period (10/23/2018–11/5/2018). Patient records were reviewed to identify triggers for palliative care, as defined in the literature (**Table 1**). (Nelson et al., 2013, Wysham et al., 2017) Events such as goals of care discussions by the MICU team, placement of advance directive and palliative care consultation were identified. Patients were followed for a 2-week period or until transfer out of ICU. At the end of the follow-up period, the quality team met with the MICU team to obtain information as to why patients who met triggers did not have a palliative care consultation.

Results

During the 2-week period, 27 patients were admitted to the MICU (**Table 2**). Of these patients, 12 (44%) met at least one criterion for palliative care consultation. Palliative care consultation was obtained in 6 of these 12 patients (50%).

Table 1.

Triggers

Prolonged (>2 weeks) ventilator dependence and consideration of tracheostomy

Multiorgan failure with documented poor prognosis

Advanced dementia (bed-bound and non-verbal)

Stage IV malignancy

Coma due to any cause with poor neurologic prognosis

Cardiac arrest with neurologic sequelae and poor neurologic prognosis

Poor prognosis (<6 months) based on disease process

Unrealistic expectations of the patient or family

Assistance to family in transitioning goals of care

Family request for palliative care or hospice

Table 2.

Variable	All Patients (n = 27)	Patients Who Met Trigger Criteria (n = 12)	No Palliative Care (n = 6)	Palliative Care (n = 6)
Median Age in Years (IQR)	63 (25.5)	76.5 (26.5)	62 (25.5)	82.5 (5.25)
Gender (%)				
Male	11 (41)	7 (58)	2 (33)	5 (83)
Female	16 (59)	5 (42)	4 (66)	1 (17)
Expired during ICU Stay (%)	8 (30)	6 (50)	4 (67)	2 (33)

Patients who received palliative care consultation were older (median age of 82.5 years (IQR 5.25) versus 62 years (IQR 25.50)). The most commonly met criteria were advanced dementia, poor prognosis (<6 months) and multiorgan failure. During the study period, 8 patients (30%) expired. Six of those patients (75%) met trigger criteria but only 2 received palliative care services. However, every patient that expired had a goals of care discussion by the MICU team despite not being seen by palliative care. Barriers to palliative care consultation included perceived proficiency of ICU clinicians in managing palliative care situations, rapid deterioration or expected improvement of the patient, ongoing aggressive treatment measures and resistance from family members or surrogate decision-makers. These results are consistent with those from a larger study from Mount Sinai Beth Israel. (Butner et al., 2014)

Conclusions

Our small baseline analysis of MICU patients demonstrates that half of our critically ill patients meeting trigger-based criteria do not receive palliative care consultative services. The MICU team does effectively address goals of care, particularly in patients who are rapidly deteriorating. We identified opportunities for palliative care consultation in patients who are expected to survive their ICU stay but who remain at risk of mortality. Examining our own MICU experience allows us to customize an approach to patients who may benefit from palliative care consultation. This has led us to initiate weekly screening assessment for palliative care consultative services in the MICU and palliative care referral for selected patients who are expected to be transferred out of the MICU.

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