Burnout in Anesthesiology

A Call to Action

The health and dedication of physicians and other care providers is critical to the nation’s healthcare system. Quality of care is dependent on an engaged, competent, compassionate, and cohesive team of providers working together to meet the needs of their patients. Unfortunately, increasing evidence suggests that the nation’s physicians and nurses are experiencing epidemic levels of burnout, dissatisfaction, and work-related stress. In a word, the providers are themselves sick.

The causes of this problem are not difficult to identify. Increasing productivity requirements, regulation and bureaucracy in combination with decreasing reimbursements, less time with patients, a rapidly expanding base of medical knowledge (requiring continuous training with no time allocated for this activity), and difficulty balancing personal and professional life because of excessive work hours and frequent night call are all contributing factors. For those in academic practice, resident work-hour restrictions that have shifted work from residents to faculty and decreasing federal funding for research are additional sources of stress.

Studies have demonstrated that although medical students enter their training with mental health profiles similar to their peers, substantial degrees of burnout and depression become evident early during the medical training process and crescendo during residency. The arduous training process, during which residents have little control over their schedule, also fails to help future physicians develop the skills necessary to integrate their personal and professional responsibilities once they enter practice. The cost of training saddles future physicians with a significant amount of educational debt that encourages them to work long hours early in their career, perpetuating burnout acquired during training. Studies across nearly every specialty of medicine both in the United States and abroad suggest that 30%–50% of practicing physicians experience symptoms of burnout at any given point in time.

Physician burnout has significant personal and professional consequences. Studies have found that burnout and dissatisfaction influence patient compliance, patient satisfaction with their medical care, and quality of care, with multiple studies suggesting burnout may contribute to medical errors. On a personal level, burnout has been shown to relate to suicidal ideation among both physicians and medical students and may contribute to other personal problems such as substance abuse and broken relationships. Burnout is also associated with malpractice suits and turnover, which can create substantial cost to hospitals and practice groups.

Against this backdrop, two articles in this issue of ANESTHESIOLOGY shed further insight into stress and burnout among anesthesiologists and perioperative care providers. In the first study, the authors conducted an evaluation of burnout among all members of a perioperative care team in a single surgical suite, including anesthesiologists, surgeons, nurse anesthetists, residents, and other perioperative personnel. Consistent with studies in other areas of medicine, the investigators found that although burnout is an issue for all perioperative providers, its prevalence seems to be highest in physicians. Burnout was also more common among younger physicians, including residents, a finding demonstrated throughout the literature.

The second article evaluates the prevalence of burnout among anesthesia program directors using a similar strategy to the approach used in previous studies of program directors in the fields of obstetrics and gynecology, ophthalmology, and otolaryngology. The participation rate was exceptionally high, providing a powerful insight into the experience of anesthesia program directors in the United States. The median emotional exhaustion and depersonalization scores (two dimensions of burnout) of anesthesiology program directors in this study were among the highest ever recorded in any sample of physicians, although the abbreviated version of the Maslach Burnout Inventory used in this study makes comparisons to many studies difficult. Stress related to budgetary concerns, faculty retention, and accreditation/compliance issues associated with the residency program were among the largest sources of stress. Independent of the number of years they had served as chairman, nearly half of U.S. anesthesiology program directors intended to step down in the next 1–2 yr. Such an exodus would translate into a massive loss of experience, expertise, and mentorship with

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potentially profound implications for future physicians training in anesthesiology.

These studies add to what is a discouraging picture of the effects that the training process and practice culture have on physicians. The medical school selection and training process are designed to assemble bright, talented, hardworking, and altruistic individuals and then augment and refine these traits with the intent of producing competent and compassionate physicians. As both studies in this issue demonstrate, however, many of these students are destined to become burned out and dissatisfied with their careers. The current studies also raise questions of whether burnout may be transmitted from one member of the care team to another (e.g., individuals working in the same operative suite) or from program directors to trainees through modeled burnout and/or a culture of cynicism. It is particularly concerning that the individuals selected for leadership positions based on their talents and accomplishment seem to be rewarded with such an overwhelming workload and array of challenges that they rapidly vacate these positions. If this issue is not addressed, it will make it increasingly difficult to recruit highly qualified replacements to lead our training programs with potential repercussions for the quality of training for future generations of anesthesiologists.

The solutions for these problems are not simple. Although much has been written about personal strategies physicians can use to maintain balance and promote resilience,1,2,4–26 the prevalence of burnout and the professional factors that are its origin suggest that organizational and policy changes are necessary. Studies evaluating system-level interventions (institutional, organizational, national)16,27 designed to optimize workload, improve efficiency, reduce the administrative burden on physicians, and promote a culture of compassion, engagement, meaning, and support are desperately needed to reduce the negative consequences of burnout both for physicians and the patients they care for.

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References