Impairment of Motivational Efforts: Another Complication of Opioid Compromise of Sleep Quality?

To the Editor:

Fitzcharles and Shir[1] emphasize the "negative effects of opioids in chronic pain conditions." Kim, *et al*[2] attribute detrimental effects of opioids to compromise of adherence to therapeutic regimens, but Fitzcharles and Shir[1] suggest an important role for other factors, including substance or psychoactive drug use, and disease duration and severity as compromising therapeutic responsiveness. Kim, *et al*[2] suggest that opioids compromise motivation (suggesting a relationship to cannabinoid induction of "amotivational" disorders) and enhance fatigue. These may certainly be factors in the final common pathway of opioid interference and physiologic compromise, but a simpler primary factor may be even more significant in patients with fibromyalgia (FM).

If loss of motivation is also a manifestation of the mental "dulling" characteristic of opioid usage, perhaps there is another operative factor. One of the major characteristics of FM is sleep compromise[3,4,5,6]. Indeed, restoring stage IV/ rapid eye movement sleep appears to mollify that disorder[6,7,8]. Because opioids interfere with reaching those sleep states[3,9,10], is it any surprise that they are not only ineffective in treating FM, but that they actually compromise the benefit of any other interventions?

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