Sleep and the Medical Trainee



Studies have shown that sleep disturbances are common among medical students and higher compared to non-medical students and the general population. Yet sleep education is not routinely taught or addressed.

Why does it matter?

- Sleep enhances cognitive processes
- Sleep disruption impairs learning ability
- Sleep quality has been shown to correlate with academic scores
- Lack of sleep increases negative moods

Poor sleep has been associated with decreased...

- Emotional intelligence
- Ability to show empathy
- Stress management skills
- Behavioral coping

Poor sleep increases the risk of...

- Substance abuse
- Psychiatric illnesses
- Injury and accidents

While more studies are needed to fully establish causation, advocating for better sleep habits will likely **improve the well-being and mental health of medical trainees**. Healthcare practitioners are among the top 5 occupation groups with the highest prevalences of short sleep duration (<7 hours), so early intervention will help establish lifelong habits that will improve the overall *quality* of life for physicians and the care of patients they serve.

Zz

References

Azad MC, Fraser K, Rumana N, et al. Sleep disturbances among medical students: a global perspective. J Clin Sleep Med. 2015;11(1):69-74.

Howard SK, Sleep deprivation and physician performance: why should I care? Proc (Bayl Univ Med Cent). 2005;18(2):108-113.

Killgore WD, Kahn-Greene ET, Lipizzi EL, Newman RA, Kamimori GH, Balkin TJ. Sleep deprivation reduces perceived emotional intelligence and constructive thinking skills. Sleep Med. 2008 Jul;9(5):517-26.

Mehta KJ. Effect of sleep and mood on academic performance—at interface of physiology, psychology, and education. Humanit Soc Sci Commun. 2022; (9) 16.

Seoane HA, Moschetto L, Orliacq F, Orliacq J, Serrano E, Cazenave MI, Vigo DE, Perez-Lloret S. Sleep disruption in medicine students and its relationship with impaired academic performance: A systematic review and meta-analysis. Sleep Medicine Reviews. 2020; 53.

Shockey TM, Wheaton AG. Short Sleep Duration by Occupation Group — 29 States, 2013-2014. MMWR Morb Mortal Wkly Rep 2017;66:207-213.

