Burnout and Vices among Serbian Surgeons and Anesthesiologist, during COVID-19

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Abstract: Burnout is a syndrome of emotional exhaustion and depersonalization that leads to inefficacy at work (1). An observational prospective study included 120 surgeons and anesthesiologists who work 24 hours on-call. Participation was voluntary and anonymous. All physicians involved in the study completed an anonymous questionnaire. All the information was strictly used for research purposes and available only to specialized medical personnel (2-5).

Keywords: Burnout, emotional exhaustion, occupational stress levels, surgeons and anesthesiologist, COVID-19

Among the doctors on call, 33.3% were smokers and 27.6% were non-smokers, showing a statistically significant difference (p = 0.884). When it comes to tobacco use, 80% of doctor’s on-call reported they smoke during breaks while 77.8% of doctors do not smoke during their on-call shifts but smoke only at home. Among the doctors on call, 33.3% of them reported daily alcohol consumption. Percentage of on-call doctors who do not consume alcohol daily was lower, 20.7%, however statistically insignificant (p = 0.424). Doctors who consumed alcohol daily mostly drank wine (50%) and beer (40%), while other types of alcoholic beverages were not frequently consumed (10%). Percentage of surgeons who consumed two or more cups of alcohol per day was 60%. Only 16.7% of on-call surgeons did not drink more than two glasses of alcohol per day. Substance abuse was reported by only one on-call doctor. 26.7% of doctors on-call and only 10% of doctors not on-call actually used drugs. Occasional drug use was reported in 36.7% of doctors on-call and 66.7% of doctors not on-call. The difference with respect to the use of drugs between doctors not on-call and doctors on-call is statistically significant (p = 0.056). Only 6.6% of doctors reported that they consumed sedatives while on vacation. While on vacation, 76.5% of male physicians and 55.8% of female physicians consumed cigarettes, alcohol and/or drugs. This difference is not statistically significant (p = 0.235). Out of entire number of physicians involved in this study, 70.0% of doctors on-call and 53.3% of doctors not on-call actually used cigarettes, alcohol, and/or drugs, but this not a statistically significant difference (p = 0.288). 70.6% of male physicians and 34.9% of female physicians used cigarettes and/or alcohol. This difference is statistically significant (p = 0.027). 46.7% of the doctors who were on-call actually smoked cigarettes and/or drank alcohol, compared to 43.3% of doctors who were not on-call. However, the difference is not statistically significant (p = 0.288).

According to the Association of Anesthetists of Great Britain at the end of the last century, Lai J found that lifetime prevalence of clinically significant depression was 19.3%. 33% of them suffered from serious stress and 6.8% suffered from severe stress (1). Additionally, research shows that incidence of suicide is more prevalent among anesthesiologists and surgeons compared with those who practice some other specialty and general population, especially during this pandemia (1-10).

Occupational stress levels in our hospital are higher than reported for anesthesiologists and surgeons in other countries.

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Transparency Declarations
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References

