Garnier H. et al.

## Response to Medical Students' Attitudes towards Female Sex Workers

## To the Editor,

The article by Nakagawa and Akpinar-Elci on medical students' knowledge and attitudes toward female sex workers and their occupational risk factors left us with ambiguous reflections.¹ The crux of this study raises an important issue: sex work, sexual abuse toward women, and sexually transmitted diseases (STDs) are big problems and should be widely discussed in the medical environment. It is essential to provide care to female sex workers through educating medical students and young doctors, regardless of their religious and upbringing influences. It is, however, important to understand cultural and regional differences in the perception of prostitution due to the ubiquitousness of this issue in different parts of world. We strongly agree with Nakagawa and Akpinar-Elci's statement on the importance of providing care to female sex workers as a vulnerable group.

However, the paper seems to be misleading due to several problems with the group size and selection, as well as with the presentation of the data. The distribution of 292 students across 56 countries does not reflect the distribution of medical students in the world.2 Students from five countries (United States, Italy, Iran, Brazil, and a country wrongly identified as Italy with a line extending to the island of Sicily) made up 52.1% of the study sample, while in forty-two of the countries studied, only three or less students (1% of the total study sample or less) participated in the online survey. This is not a representative sample of the world population of medical students, an issue which could undermine the validity of the study results.3-4 In addition, Figure 1 shown in the Nakagawa and Akpinar-Elci paper presents misleading data. Italy is marked twice (10.3%, n=30 and 5.8%, n=17), and this information is not consistent with the given text. Three countries are mentioned in the article and only two of them are correctly represented in the figure. A complete table providing the country demographics (student distribution and their responses) published as an appendix would be a valuable addition to the manuscript.

In addition to errors in the first figure, the statistical analysis is not sufficiently described in the text. There are neither exact results of the mentioned two-sample t-tests nor measured attitudes. Furthermore, the stratification of the data seems to be insufficient; there is no detailed information about the educational background of sampled individuals. The students should be divided into additional groups, for example, according to the Gross Domestic Product (GDP) per capita or to their religion. Every religion has different attitudes towards prostitution, which was not considered in the results. Furthermore, the legality of prostitution in specific countries is not clearly identified. Many countries do not have regulated laws about the sex industry. All of this may lead to erroneous conclusions and misunderstanding.

In conclusion, the study by Nakagawa and Akpinar-Elci contributed a great deal to the understanding of the problems faced by female sex workers. There are, however, several components of the study design that are important to bring to the

attention of readers to facilitate a more comprehensive discussion on this topic. We believe that this paper will definitely prove to be an eminent study of this subject.

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