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# A Cross-sectional Study of Mother-friendly Hospital Initiatives in Turkey: The Obstetricians and Midwives' Views

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#### ABSTRACT

**Background & aim:** Ministry of Health in Turkey has launched a mother-friendly hospital (MFH) initiative to reduce cesarean section rate, support evidence-based practices, and improve mother-baby friendly maternity care. This study aimed to investigate the views of the obstetricians and midwives using the MFH initiative and measure their job satisfaction levels.

**Methods:** A cross-sectional descriptive design was employed. The data were collected through a questionnaire distributed among 16 obstetricians and 61 midwives working in delivery rooms at four hospitals using the MFH initiative in Turkey. This questionnaire consisted of eight items to elicit participants' characteristics, and another eight items were used to investigate participants' views regarding the MFH setting. The participants' suggestions to MFH initiative, job satisfaction levels and the intention to leave were also measured.

**Results:** The majority of the participants reported that the MFH initiative increase the quality of the maternal services (90.9%) and contributed to their profession (90.9%). Moreover, they stated that their colleagues (84.4%) and pregnant women (94.8%) are satisfied with the MFH. Also, 54.5% of them reported concerns about the MFH initiatives. The mean job satisfaction score was 7.92 (SE=0.26). Significant differences were noted among the participants' job satisfaction in terms of their workload perception, intention to leave, and the workplace (P<0.05).

*Conclusion:* The participants had positive attitudes towards the MFH initiatives and higher levels of job satisfaction. The results suggest that the MFH initiatives are successfully implemented and contributed to maternal services.

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#### Introduction

Pregnancy and childbirth are a natural and healthy function of the body rather than a disease (1), and childbirth is among the most beautiful and valuable experiences for the family (2). However, both normal birth and cesarean section (CS) have become a bad memory for many pregnant women, and the preferences of them are ignored in Turkey (1). Factors that cause this situation include poor conditions in delivery rooms, lack of attention to the psychological needs of pregnant women, inadequate information of pregnant women, unnecessary surgical initiatives (1, 3). All these factors lead to the perception of childbirth as unknown and unpredictable experienced by

women which results in the fear of childbirth (4). The CS rate has increased dramatically in Turkey (5), and the highest CS rate among the Organisation for Economic Co-operation and Development (OECD) countries belongs to Turkey since 2008 (6). The CS rate in Turkey has reached up to 53.1% by 2016 (6), whereas the ideal CS rate is generally accepted as 10-15% in the scientific literature (7). Furthermore, the World Health Organization (WHO) reports that the CS rate above 10% cannot be associated with decreases in maternal and neonatal mortality rates (5).

There are several reasons for high cesarean rates. Research indicates that low priority to

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improving the ability of women to give birth, limited awareness about potential harms of CS, and fear of birth contribute to the high CS rate (8). However, evidence-based mother-friendly practices can help cope with these factors (9). Therefore, Turkey's Ministry of Health (TMH) decided to launch an MFH initiative to reduce CS rate, support evidence-based practices, and improve mother-baby friendly maternity care (10).

The MFH initiative in Turkey has launched in 2015 by TMH, and Manisa Province has been selected as a pilot region. This initiative aims to increase the quality and quantity of maternal health services to ensure safe and high-quality maternity care. The focus of the system is the mother and baby which aims at encouraging normal birth and reducing intervention rates (10).

For a hospital to be mother-friendly, it must meet the criteria collected in 10 steps (10). These criteria are similar to the Coalition for Improving Maternity Services' (CIMS) MFH criteria (11). The CIMS was established in the United States in the 1990s to promote and support normal birth and breastfeeding and launched the mother-friendly childbirth initiative and 10 evidence-based steps in 1996. Safe and quality monitoring in pregnancy and maternity services are seen as a natural right of the pregnant women in the MFH initiative. The service should be comprehensive, including pre-pregnancy counselling, as well as prenatal and postnatal care. Moreover, it is important to protect the privacy of the pregnant women. The physical environment of the hospitals should meet the standards, and nonevidence-based interventions should be avoided. The service should be monitored periodically with various indicators and statistical analysis (10).

With the mother-friendly hospital initiative, some organizational factors, such as working conditions and physical conditions have changed. The related literature states that changes in organizational factors may affect job satisfaction level (12), which reflects a positive or negative attitude of an employee toward his/her job. Nowadays, a competitive environment increases the importance of job satisfaction of health workers (i.e., physicians, nurses, and physiotherapists) for organizations that want to

survive and succeed (13). Moreover, job satisfaction level of health workers (i.e., physicians, nurses, and physiotherapists) affects various factors, such as the quality of health services, effectiveness, health care costs (14), employee performance (15), intention to leave (16), and patient safety (17). The healthcare team consists of different professionals. Notably, midwives and physicians play a critical role in maternity services (18). However, there is no scientific data on obstetricians and midwives' job satisfaction, changed working conditions, and opinions about the MFH initiative. Therefore, this study aimed to analyze the views of the obstetricians and midwives regarding the MFH setting and determine their job satisfaction levels.

#### Materials and Methods

This study was conducted based on a cross-sectional descriptive design. The total sample of the study consisted of 24 obstetricians and 69 midwives working in four hospitals located in Manisa Province, Turkey using the MFH initiative. These are the first hospitals using the MFH initiative in Turkey. It was aimed to reach all population without applying any sampling method. The data were collected by the researchers between December 2017 and February 2018 with the participation of 16 obstetricians and 61 midwives who volunteered to participate in the study with a response rate of 82.8%.

The inclusion criteria consisted obstetricians and midwives with a minimum of three months of experience in the delivery room in which they were employed. On the other hand, medical and midwifery students. obstetricians, and midwives who refused to participate were excluded from the study. Moreover, the questionnaires with missing answers were not included in the data evaluation.

The data were collected using questionnaire containing 19 items based on the review, the research literature experience, as well as TMH and CIMS' MFH criteria. In total, eight items elicited sociodemographic (i.e., age, gender, level of education) and occupational characteristics (i.e., profession and experience). Another eight items asked the participants' thoughts about the MFH initiative. These Yes/No items were prepared



according to TMH and CIMS' MFH criteria (10, 11).

One of these criteria is to support employees with in-service training as "Have you received any in-service training about the MFH?". Kuder Richardson-20 (KR-20) was used to evaluate reliability. The internal consistency of these items was acceptable (KR-20 coefficient=0.57). Moreover, the intention to leave was measured by a single Yes/No question (i.e., would you leave your current job in the next year if possible?) (19). Moreover, the participants rated their job satisfaction level ranging from 0 to 10 on a linear scale, where 0 and 10 represent "not satisfied" and "very satisfied", respectively. A higher score means higher levels of job satisfaction. The single item approach reflects job satisfaction as a whole with high reliability and validity (20) and has been used successfully in previous studies (21, 22). Additionally, an open-ended question was used to ask about the participants' suggestions regarding the MFH initiative.

Initially, the study protocol was approved by the Ethics Committee of the Faculty of Medicine, Manisa Celal Bayar University, Manisa, Turkey (No: 0.478.486), and then the permission was obtained from each institution in which the study was conducted. This study has been conducted according to the Declaration of Helsinki, and the participants were informed about the research objectives and procedure. After obtaining the informed consent form, the participants were asked to complete the questionnaire, and they were assured of the confidentiality of the data since they were anonymous. All data were used for scientific purposes only and not shared with anyone or for commercial purposes. All participants had the opportunity to withdraw from the study at any time.

The data were analyzed using Jamovi, which is an open-source freely available software (23). Furthermore, descriptive statistics, the Kruskal-Wallis test, and the Mann-Whitney U test were used to analyze the data. Post hoc analyses were accomplished by applying the Tukey's HSD test. A p-value less than 0.05 was considered statistically significant. Since the standard deviation was large, the standard error was used to evaluate the job satisfaction level.

#### Results

The mean age of women was 31.07±6.55 Out of 24 obstetricians and 69 midwives, 16 obstetricians and 61 midwives with a mean age of 39.45±5.4 years completed the questionnaire (82.8% response rate) at the four hospitals using the MFH initiative. As can be seen in Table 1, 79.2% of the participants were midwives, and 84.4% of the cases were female. Moreover, 46.8% of the subjects had a bachelor's degree, and they had 28.0±11.48 years of experience in the delivery room. Furthermore, 66.2% of the participants evaluated their workload as moderate, and 40.3% of the cases had the intention to leave (Table 1).

**Table 1.** Socio-demographic and occupational characteristics of the participants (n=77)

| Variables                      | N (%)     |
|--------------------------------|-----------|
| <b>Age</b> (Mean: 39.45 ± 5.4) |           |
| <40 years old                  | 39 (50.6) |
| ≥40 years old                  | 38 (49.4) |
| Gender                         |           |
| Male                           | 12 (15.6) |
| Female                         | 65 (84.4) |
| Marital status                 |           |
| Single                         | 9 (11.7)  |
| Married                        | 68 (88.3) |
| Profession                     |           |
| Obstetrician                   | 16 (20.8) |
| Midwife                        | 61 (79.2) |
| Level of education             |           |
| Associate degree               | 20 (26.0) |
| Bachelor's degree              | 36 (46.7) |
| Master's or doctorate degree   | 21 (27.3) |
| Hospitals                      |           |
| MFH 1                          | 30 (39.0) |
| MFH 2                          | 21 (27.3) |
| MFH 3                          | 14 (18.2) |
| MFH 4                          | 12 (15.5) |
| Experience                     |           |
| <20 years                      | 39 (50.6) |
| ≥20 years                      | 38 (49.4) |
| Overtime work                  |           |
| Yes                            | 56 (72.7) |
| No                             | 21 (27.3) |
| Workload perception            |           |
| Moderate                       | 51 (66.2) |
| Heavy                          | 26 (33.8) |
| Intention to leave             |           |
| Yes                            | 31 (40.3) |
| No                             | 46 (59.7) |

Table 2 summarizes the obstetricians' and midwives' opinions about the mother-friendly hospital initiative. In total, 94.8% of the participants reported that pregnant women were satisfied with the MFH initiative, and 84.4% of them reported that their colleagues were satisfied with the MFH. Moreover, 90.9% of the cases reported that this initiative contributed

to their profession and increased the quality of maternal services. Furthermore, the majority of them (92.2%) received in-service training about the MFH initiative, and nearly three-quarters of them (72.7%) reported that their hospital had adequate physical conditions for the MFH (Table 2).

**Table 2.** Participants' thoughts about the mother-friendly hospital initiative (n=77)

| Ouestions -   | Yes       | No        |  |
|---|-----------|-----------|--|
| Questions   | N (%)     | N (%)     |  |
| Are pregnant women satisfied with the MFH?                          | 73 (94.8) | 4 (5.2)   |  |
| Are your colleagues satisfied with the MFH?                         | 65 (84.4) | 12 (15.6) |  |
| Is this MFH initiative contribute to your profession?               | 70 (90.9) | 7 (9.1)   |  |
| Has this hospital adequate physical conditions for the MFH?         | 56 (72.7) | 21 (27.3) |  |
| Has the quality of the maternal services improved?                  | 70 (90.9) | 7 (9.1)   |  |
| Have you received any in-service training about the MFH initiative? | 71 (92.2) | 6 (7.8)   |  |
| Have you experienced any concern about MFH initiative?              | 42 (54.5) | 35 (45.5) |  |
| What was the source of this concern?                                |           |           |  |
| Presence of a companion in the delivery room                        | 30 (71.4) | 12 (28.6) |  |
| Increased workload  | 21 (50.0) | 21 (50.0) |  |
| Overtime work   | 3 (7.1)   | 39 (92.9) |  |

On the other hand, more than half of the participants (54.5%) reported concerns about the MFH initiative. The most common source of

concern was reported as the presence of a companion in the delivery room (71.4%), increased workload (50.0%), and overtime work (7.1%) in descending order (Table 2).

**Table 3.** Some of the illustrative quotations for suggestions to improve mother-friendly hospital initiative

| Profession    | Quotations  |
|---------------|---|
|               | 'The number of rooms should be increased.'  |
|               | 'This initiative is more likely to achieve success with better physical conditions.'                |
| Obstetricians | 'Additional payments to staff working in a MFH setting can increase employees' motivation to work.' |
|               | 'MFH criteria should be made compulsory for private hospitals as well.'                             |
|               | 'Physical environments need to be improved and more delivery rooms need to be built.'               |
|               | 'It's important to train obstetricians and midwifes in the skills necessary to implement this       |
|               | initiative.'  |
| Midwifes      | 'Paperwork should be reduced'   |
|               | 'I think that MFH employees should be rewarded financially.'  |
|               | 'Physical conditions should be suitable for different positions to be used at birth.'               |
|               | 'Mother-friendly practices should be adopted not only by midwifes but also by obstetricians.'       |
|               | 'Posters with information about breathing techniques and positions should be posted on the          |
|               | walls of the delivery room.'  |

Some of the illustrative suggested quotations to improve the MFH initiative are presented in Table 3. The suggestions to improve the MFH initiative included the improvement of the physical environment, paperwork reduction, pregnant women and family training, and an

increase in the number of the employees (Table 3).

The mean job satisfaction score of the participants was obtained at 7.92 (SE=0.26). Regarding the evaluation of the job satisfaction scores, a statistically significant difference was



found among the participants' job satisfaction levels in terms of the workplace (i.e., hospital), workload perception, and intention to leave

Participants who worked in hospital 1 considered their workload as heavy, and those who had the intention to leave had lower job

satisfaction scores. Furthermore, no statistically significant difference was found among the mean scores of the participants' job satisfaction in terms of age, gender, marital status, profession, level of education, experience, or overtime work (Table 4).

**Table 4.** Factors affecting obstetricians and midwifes' job satisfaction (n=77)

| Variables          | N          | Mean | SD   | Z      | p     |
|--------------------|------------|------|------|--------|-------|
| Age                |            |      |      |        |       |
| <40 years old      | 39         | 7.87 | 2.40 | -0.031 | 0.975 |
| ≥40 years old      | 38         | 7.97 | 2.27 |        |       |
| Gender             |            |      |      |        |       |
| Male               | 12         | 7.25 | 3.11 | 347    | 0.541 |
| Female             | 65         | 8.05 | 2.16 |        |       |
| Marital status     |            |      |      |        |       |
| Single             | 9          | 7.55 | 1.81 | 1 102  | 0.270 |
| Married            | 68         | 7.97 | 2.39 | -1.103 |       |
| Profession         |            |      |      |        |       |
| Obstetrician       | 16         | 7.38 | 2.70 | 406    | 0.292 |
| Midwife            | 61         | 8.07 | 2.22 | 406    |       |
| Level of education |            |      |      |        |       |
| Associate or       | <b>5</b> 6 | 0.11 | 2.26 |        |       |
| Bachelor's degree  | 56         | 8.11 | 2.26 | 460    | 0.160 |
| Master's or        | 24         | 7.40 | 2.40 | 468    |       |
| doctorate degree   | 21         | 7.43 | 2.48 |        |       |
| Hospital           |            |      |      |        |       |
| MFH 1 (a)          | 30         | 6.83 | 2.52 |        | 0.002 |
| MFH 2 (b)          | 21         | 9.04 | 1.53 | 5.619* |       |
| MFH 3 (c)          | 14         | 7.64 | 2.73 | 1      |       |
| MFH 4 (d)          | 12         | 9.00 | 0.73 | b = c  | 1 > a |
| Experience         |            |      |      |        |       |
| <20 years          | 39         | 8.00 | 2.20 | 0.000  | 0.929 |
| ≥20 years          | 38         | 7.84 | 2.47 | -0.089 |       |
| Overtime work      |            |      |      |        |       |
| Yes                | 56         | 7.98 | 2.09 | F.(.)  | 0.743 |
| No                 | 21         | 7.76 | 2.91 | 560    |       |
| Workload           |            |      |      |        |       |
| perception         |            |      |      |        |       |
| Moderate           | 51         | 8.35 | 2.00 | -2.270 | 0.023 |
| Heavy              | 26         | 7.07 | 2.69 | 2.2,0  | 0.020 |
| Intention to leave |            |      |      |        |       |
| Yes                | 31         | 6.93 | 2.74 | -3.013 | 0.003 |
| No                 | 46         | 8.58 | 1.73 |        | 0.003 |

#### **Discussion**

This study aimed to analyze the views of the obstetricians and midwives regarding the MFH setting and determine their job satisfaction levels. The participants had positive attitudes towards the MFH initiative. According to the results, obstetricians, midwives, and pregnant women at the hospitals using the MFH initiative had a high level of satisfaction (Table 3).

The MFH initiative emphasizes reducing surgical interventions, thereby promoting increased midwives' autonomy (10). Although the midwife/population ratio in Turkey is in a better position, compared to the in many OECD countries (6), Turkish midwives have low autonomy and the existing laws do not support their independent initiatives. However, the midwife-oriented service approach encouraged by the MFH initiative (10). It is predicted that the rate of surgical intervention will decrease due to the professional midwife support in low-risk births, and it will make a positive contribution to mother and baby health.

Job satisfaction is an important component that affects the quality of the service (24). Although there have been radical changes in the working conditions and delivery of services with the MFH initiative, study results show a high level of job satisfaction of obstetricians and midwives. These results are consistent with the findings that state high levels of job satisfaction of obstetricians (25) and midwives (26, 27). Contrary to these findings, a low level of job satisfaction was reported among obstetricians in Romania (28), Iran (29), and among midwives in Iran (30). These results revealed the difference between the countries in terms of the job satisfaction of obstetricians and midwives. Additionally. research indicates obstetricians are the ones with the lowest job satisfaction among physicians (29, 31).

However, despite a high level of job satisfaction, 40.3% of the cases had the intention to leave. This is an unexpected result since the employees with high levels of job satisfaction have less intention to leave (16). High intention to leave may cause serious problems. Furthermore, with an increase in the world population, more health professionals are needed, and the importance of skilled health professionals increases. The WHO foresees that

the global deficit of skilled health professionals will reach about 12.9 million by 2035 (32). As a result, as widely known, it is becoming more and more important to keep employees in the organization. In 2017, Turkey has the lowest physician/population ratio with 1.87 among OECD countries. On the other hand, there are 53, 571 professionally active midwives in Turkey, and this population is considerably more. compared to those in any other OECD countries. Nonetheless, the duties, responsibilities, and autonomies of the midwives vary across countries. In countries, such as England, France, Australia, and New Zealand, midwives work collaboratively with other members of the health team (33), whereas prenatal and postnatal care is given under the responsibility and supervision of obstetricians in Turkey (34).

Approximately, one-quarter of the respondents reported that their hospitals had no adequate physical conditions for the MFH. However, physical improvements in hospitals are continuing rapidly, and one year after data collection, the MFH-1 was moved to a completely new service building (10).

As seen in Table 2, the MFH initiative seems to cause concern among the respondents. The most common factors that cause concern are the presence of a companion in the delivery room, increased workload, and overtime work in descending order. However, these concerns are estimated to decrease over time. Moreover, the presence of a companion in the delivery room will contribute to the empowerment of the pregnant women and the naturalization of the childbirth (35).

Participants from MFH-1 obtained lower job satisfaction scores. This is an expected consequence since it was the worst hospital in terms of physical conditions. As stated above, one year after the data collection, MFH-1 was moved to a completely new service building. Therefore, further studies are recommended to investigate the effects of this development.

Participants who considered their workload as heavy had lower job satisfaction. Lack of paid incentives may worsen this situation since the statements from respondents indicate that increased responsibilities and workloads are not financially rewarded (Table 3). Moreover, the heavy workload may affect work performance



negatively (36).

Participants who had the intention to leave had lower job satisfaction. Numerous studies previously reported the relationship between intention to leave and job satisfaction (37, 38). Employees are more likely to leave their current jobs because of dissatisfaction.

This study suffered from several some limitations. Although there were many scales to measure job satisfaction, it was measured with a single question. Moreover, there were no specific scales for evaluating the obstetricians' and midwives' perspectives about MFH, which is the significant limitation of this study. However, the internal consistency of the items used in the (KR-20 questionnaire acceptable was coefficient=0.57). Another important limitation of the study was the small sample size. Only four hospitals were using the MFH initiative in Turkey at the time when this study was conducted. Therefore, the total sample of the study was limited to obstetricians and midwives working in these hospitals. However, an increase in the number of hospitals using the MFH initiative up to 55 allows conducting similar studies in a wider sample. On the other hand, the strengths of this study include the high response rate (82.8%) and the context in which this study was being conducted. This is the first study that demonstrates the view of the obstetricians and midwives regarding the MFH setting in Turkey.

Health professionals' concerns and suggestions provide managers with valuable data in terms of evaluation of the MFH initiative and improvement of the process. Determination of the satisfaction level of pregnant women, the other stakeholder of the process, will allow for a broader evaluation of the MFH initiative. Notably, the comparison of the satisfaction levels of pregnant women in the hospitals using the MFH initiative with those in other hospitals may provide new evidence for the effectiveness of this initiative.

#### Conclusion

The participants had positive attitudes towards the MFH initiative. The results show that obstetricians and midwives who are working in hospitals using the MFH initiative had a high level of satisfaction. According to the positive opinions of the participants and the factors, such as supporting the process with in-

service training and improvements in physical conditions, it can be observed that the MFH initiative is successfully implemented and contributes to maternal services.

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#### **Conflicts of interest**

Authors declared no conflicts of interest.

#### References

- 1. Basgol S, Oskay U. Model of mother-friendly hospitals for development of maternal and child health services. Anatolia Nursing and Health Sciences Journal. 2014; 17(2):125-129.
- 2. Das Z. Psychosocial and cultural aspects of pregnancy. In: Taskin L, editor. Maternity and women's health nursing. 13th ed. Ankara: Günes Medicine Press; 2012. P. 211-225.
- Sahin NH. Rates and outcome of caesarean section. Maltepe University Journal of Nursing Science and Art. 2009; 2(3):94-98.
- 4. Lukasse M, Schei B, Ryding EL. Prevalence and associated factors of fear of childbirth in six European countries. Sexual & Reproductive Healthcare. 2014; 5(3):99-106.
- 5. World Health Organization. WHO Statement on caesarean section rates. Reproductive Health Matters. 2015; 23(45):149.
- Caesarean sections. Organisation for Economic Cooperation and Development. Available at: URL: https://data.oecd.org/healthcare/caesareansections.htm; 2019.
- 7. Betran AP, Torloni MR, Zhang J, Ye J, Mikolajczyk R, Deneux-Tharaux C, et al. What is the optimal rate of caesarean section at population level? A systematic review of ecologic studies. Reproductive Health. 2015; 12(1):57.
- 8. Azami-Aghdash S, Ghojazadeh M, Dehdilani, N, Mohammadi M. Prevalence and causes of cesarean section in Iran: Systematic review and meta-analysis. Iranian Journal of Public Health. 2014; 43(5):545-555.
- Ildan-Calim S, Amanak K, Öztürk R, Güleç D, Karaöz B, Kavlak O, et al. Mother in the direction of friendly health services hospital criteria review. Journal of Ege University Nursing Faculty. 2015; 31(1):120-130.
- 10. Mother-friendly hospital initiative. Turkey's



- Ministry of Health. Available at: URL: https://hsgm.saglik.gov.tr/tr/kadin-ve-ureme-sagligi-programlari/anne-dostu-hastane-program%C4%B1.html; 2019.
- Mother-friendly childbirth initiative. The Coalition for Improving Maternity Services. Available at: URL: http://www.motherfriendly.org/MFCI; 2019.
- 12. Aksit-Asik N. A conceptual evaluation of individual and organizational factors affecting employees' and results of job satisfaction. Turkish Journal of Administration. 2010; 467:31-51.
- 13. Gulsen M, Ozmen D. The relationship between emotional labour and job satisfaction in nursing. International Nursing Review. 2020; 67:145-154.
- 14. Salam A. Job stress and job satisfaction among health care professionals. European Scientific Journal. 2014; 10(32):156-173.
- 15. Chao MC, Jou RC, Liao CC, Kuo CW. Workplace stress, job satisfaction, job performance, and turnover intention of health care workers in rural Taiwan. Asia Pacific Journal of Public Health. 2015; 27(2):1827-1836.
- 16. Lee SE, MacPhee M, Dahinten VS. Factors related to perioperative nurses' job satisfaction and intention to leave. Japan Journal of Nursing Science. 2019; 17(1):e12263.
- 17. Wang KY, Chou CC, Lai JC. A structural model of total quality management, work values, job satisfaction and patient-safety-culture attitude among nurses. Journal of Nursing Management. 2019; 27(2):225-232.
- Bekru ET, Cherie A, Anjulo AA. Job satisfaction and determinant factors among midwives working at health facilities in Addis Ababa city, Ethiopia. PloS One. 2017; 12(2):e0172397.
- 19. Biegger A, De Geest S, Schubert M, Ausserhofer D. The 'magnetic forces' of Swiss acute care hospitals: a secondary data analysis on nurses' job satisfaction and their intention to leave their current job. Nursing Plus Open. 2016; 2:15-20.
- Dolbier CL, Webster JA, McCalister KT, Mallon MW, Steinhardt MA. Reliability and validity of a single-item measure of job satisfaction. American Journal of Health Promotion. 2005; 19(3):194-198.
- Aiken LH, Sloane DM, Bruyneel L, Van den Heede K, Sermeus W, Rn4cast Consortium. Nurses' reports of working conditions and hospital quality of care in 12 countries in Europe. International Journal of Nursing Studies. 2013; 50(2):143-153.
- 22. Hurtado DA, Kim SS, Subramanian SV, Dennerlein JT, Christiani DC, Hashimoto DM, et al. Nurses' but not supervisors' safety practices are linked with job satisfaction. Journal of Nursing Management. 2017; 25(7):491-497.
- 23. Jamovi (Version 0.9). The Jamovi Project. Available at: URL: https://www.jamovi.org; 2019.

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- 24. Nedvědová D, Dušová B, Jarošová D. Job satisfaction of midwives: a literature review. Central European Journal of Nursing and Midwifery. 2017; 8(2):650-656.
- 25. Bell DJ, Bringman J, Bush A, Phillips OP. Job satisfaction among obstetrician-gynecologists: a comparison between private practice physicians and academic physicians. American Journal of Obstetrics and Gynecology. 2006; 195(5):1474-1478.
- 26. Wiegers T, Hermus MA, Verhoeven CJ, Rijnders M, van der Pal-de Bruin KM. Job satisfaction of maternity care providers in the Netherlands: does working in or with a birth centre influence job satisfaction? European Journal of Midwifery. 2018; 2(11):1-7.
- 27. Warmelink JC, Hoijtink K, Noppers M, Wiegers TA, de Cock TP, Klomp T, et al. An explorative study of factors contributing to the job satisfaction of primary care midwives. Midwifery. 2015; 31(4):482-488.
- 28. Iorga M, Dondas C, Petrariu FD, Scripcariu SI, Socolov DG, Socolov R. Key factors influencing the level of job satisfaction among obstetrics and gynecology physicians in Romania. The Medical-Surgical Journal. 2018; 122(1):39-50.
- 29. Mottaghi A, Hoseinzadeh-Mogadam M, Mottaghi A, Nojomi M. Lifestyle, happiness and job satisfaction in Iranian specialist physicians. Razavi International Journal of Medicine. 2018; 6(2):3-9.
- 30. Fallah S, Mirzadeh MS, Ghalandari L, Bajalan Z. The relationship between job satisfaction and performance of midwives in Qazvin deliveries' centres in 2017. Journal of Urmia Nursing and Midwifery Faculty. 2018; 16(8):564-574.
- 31. Hoff T, Young G, Xiang E, Raver E. Understanding US physician satisfaction: State of the evidence and future directions. Journal of Healthcare Management. 2015; 60(6):409-427.
- 32. World Health Organization. A universal truth: no health without a workforce. Geneva: World Health Organization; 2019.
- 33. Sandall J, Soltani H, Gates S, Shennan A, Devane D. Midwife-led continuity models versus other models of care for childbearing women. Cochrane Database of Systematic Reviews. 2013; 4:1-107.
- 34. Guner S, Yurdakul M, Yetim N. A qualitative study on the academic approach to the professionalization of midwifery in Turkey. Journal of Higher Education & Science. 2015; 5(1):80-87.
- 35. Monguilhott JJ, Brüggemann OM, Freitas PF, d'Orsi E. Nascer no Brazil: the presence of a companion favours the use of best practices in delivery care in the South region of Brazil. Revista de Saude Publica. 2018; 52:1.
- 36. Marfu'ah S, Tamtomo D, Suryono A. Effect of



- psychological factors and workload on midwife performance in the integrated antenatal care in Pati, central java. Journal of Maternal and Child Health. 2016; 1(3):138-145.
- 37. Dall'Ora C, Griffiths P, Ball J, Simon M, Aiken LH. Association of 12 h shifts and nurses' job satisfaction, burnout and intention to leave:
- Findings from a cross-sectional study of 12 European countries. BMJ Open. 2015; 5(9):1-7.
- 38. Han K, Trinkoff AM, Gurses AP. Work-related factors, job satisfaction and intent to leave the current job among United States nurses. Journal of Clinical Nursing. 2015; 24(21-22):3224-3232.