



CONFERENCE PROCEEDINGS BOOK



**6th INTERNATIONAL CONFERENCE  
ON GLOBAL PRACTICE OF  
MULTIDISCIPLINARY SCIENTIFIC  
STUDIES**

**APRIL 9-16, 2024 / Lisbon, PORTUGAL**

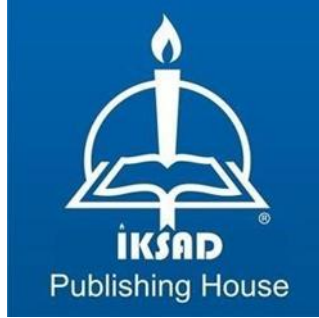
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**6th INTERNATIONAL CONFERENCE ON GLOBAL PRACTICE OF  
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**PROCEEDINGS BOOK  
(Abstracts & Full Texts)**

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## **6th INTERNATIONAL CONFERENCE ON GLOBAL PRACTICE OF MULTIDISCIPLINARY SCIENTIFIC STUDIES**

### **EVALUATION PROCESS and POLICIES**

All applications have undergone double blind peer review process. In addition, each paper was accepted and the process of publishing in the book was carried out through editorial oversight. The published papers were presented and discussed at the meeting.

Full texts and abstracts published in accordance with the Symposium Policy have been prepared in accordance with ethical rules and APA standards. Authors of all papers are both ethically and legally responsible.

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**APRIL 9-16, 2024**

**Lisbon, PORTUGAL**

**SYMPOSIUM SCHEDULE**

# 6th INTERNATIONAL CONFERENCE ON GLOBAL PRACTICE OF MULTIDISCIPLINARY SCIENTIFIC STUDIES

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CONGRESS LANGUAGES: English and All Turkish Dialects

## 12.04.2024 / HALL-2 / SESSION-2

Zoom Meeting ID: 833 4101 6484

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Lisbon Local Time



10<sup>30</sup> : 12<sup>30</sup>



Ankara Local Time



12<sup>30</sup> : 14<sup>30</sup>

### HEAD OF SESSION: Mustafa CENGİZ

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Ismail Akşit Bahri Gür	<i>Kafkas University</i>	The Importance Of Duties And Responsibilities In The Area Of Health And Safety At Work
Özgür Cengiz Ismail Akşit Okan Özbakır	<i>Kafkas University</i>	Measures to Be Taken Within the Scope of Occupational Health and Safety in The Textile Industry
Derya Güloğlu	<i>Isparta University of Applied Sciences</i>	Inoculation Sequence in Soil and Seed
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Mustafa Cengiz	<i>Siirt University</i>	Evaluation Of The Cytotoxicity Of Devil's Claw Plant On Mouse Fibroblast Cells
Ana Luiza Ferreira Aydoğdu	<i>Istanbul Health and Technology University</i>	The Influence of Nursing Teamwork on The Quality of Care
Dicle Özavcı	<i>Siirt University</i>	Repair of Traditional Masonry Stone Lime Buildings

(All speakers required to be connected to the session 10 min before the session starts)

Moderator is responsible for ensuring the smooth running of the presentation, managing the group discussion and dynamics.

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**THE INFLUENCE OF NURSING TEAMWORK ON THE QUALITY OF CARE**

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**Abstract**

Nursing is a profession inherently linked to teamwork. Collaboration and coordination among nursing team members impact the quality of care provided in healthcare institutions. This review aimed to analyze and discuss the influence of nursing teamwork on the quality of care. It is an integrative review. The search for original articles of primary research was conducted in the second week of February 2024, in the Scopus database. The review was guided by the following question: “What is the literature’s perspective on the influence of nursing teamwork on the quality of care?” The terms used were: “nursing,” “teamwork,” and “care.” Original research articles published in English in scientific journals within the last 10 years, including nurses as participants, whose full texts were available online, and that met the review’s objectives were included. Initially, 14 articles were found, of which six were included in this review. The selected articles were assessed using the Mixed Methods Appraisal Tool (MMAT). It was identified that the way nursing teams work varies according to the department; however, nursing teamwork always impacts the quality of care, regardless of the sector. It was also observed that role and function ambiguities, difficulties in adapting to changes, exhausting work schedules, poor communication, professional training failures, inadequate leadership styles and nursing shortages are among the obstacles to forming cohesive nursing teams. In conclusion, nursing professionals should receive education to work as a team. Additionally, nurse managers play fundamental roles in developing healthy work environments that promote the formation and maintenance of cohesive nursing teams. It is important to note that the leadership styles adopted by nurse managers guide the attitudes of other team members, as nurse managers are role models for their followers. Thus, collaboration, effective communication, and coordination among nursing team members are strongly influenced by nurse managers.

**Keywords:** health management, leadership, nurse administrators, nursing, quality of health care, teamwork

## **Introduction**

Due to rapid population growth, extended life expectancy, increased public awareness of health, and the dissemination of advanced technologies in the field, the demand for healthcare services has gradually risen. Additionally, intense competition within the sector has heightened the importance of the concept of quality in healthcare, which is widely discussed nowadays (Alzoubi et al., 2023; García-Moyano et al., 2019). In the pursuit of quality in healthcare services, teamwork emerges as a fundamental element (Bhowmik, 2021; Monalisa et al., 2023). In this context, the role of the nursing team, which represents the largest professional group in healthcare institutions, holds a prominent position (Alzoubi et al., 2023; Bıyık & Türe, 2020; Sahputra et al., 2021). The quality in healthcare services goes beyond the mere execution of technical procedures; it is intrinsically linked to the ability to address not only the physical but also the psychosocial needs of patients and the community (Sahputra et al., 2021). Thus, quality nursing care is based on a holistic approach that recognizes the uniqueness of each individual. This approach encompasses empathy, effective communication, and attention to the cultural and emotional characteristics of individuals (Frisch & Rabinowitsch, 2019). As members of the nursing team are consistently close to patients, they play fundamental roles in ensuring the quality of healthcare in addition to acting as important links between other healthcare workers and patients (Supri et al., 2019; Yang et al., 2022). Nursing care is a complex process so in its quality assessment, various factors are involved. The analysis of health indicators is commonly used as a technique in evaluating nursing care. These indicators include infection rates, patient falls, pressure ulcers, incorrect medication administration, hospital readmissions, and patient satisfaction, among others (Bıyık & Türe, 2020). Additionally, the qualification and training of the nursing team, the availability of necessary resources and equipment, as well as the overall working environment conditions are considered (Sahputra et al., 2021; Vituri et al., 2015). It is understood, therefore, that adequate infrastructure is fundamental for the team to work cohesively and provide efficient and safe care (Bhowmik, 2021). The evaluation of nursing professionals, including factors related to teamwork, effective communication, and interprofessional cooperation, is essential to ensure a collaborative approach in healthcare institutions (Zhao et al., 2021). Nursing is a profession intrinsically linked to teamwork. Nursing team members work based on interdependence and collaboration. For the nursing team to provide comprehensive and effective care, they must share knowledge and experiences and have common goals (Campbell et al., 2020; Olsen et al., 2020). Thus, the attitudes of nursing managers and the leadership styles they adopt should be emphasized, as management plays a

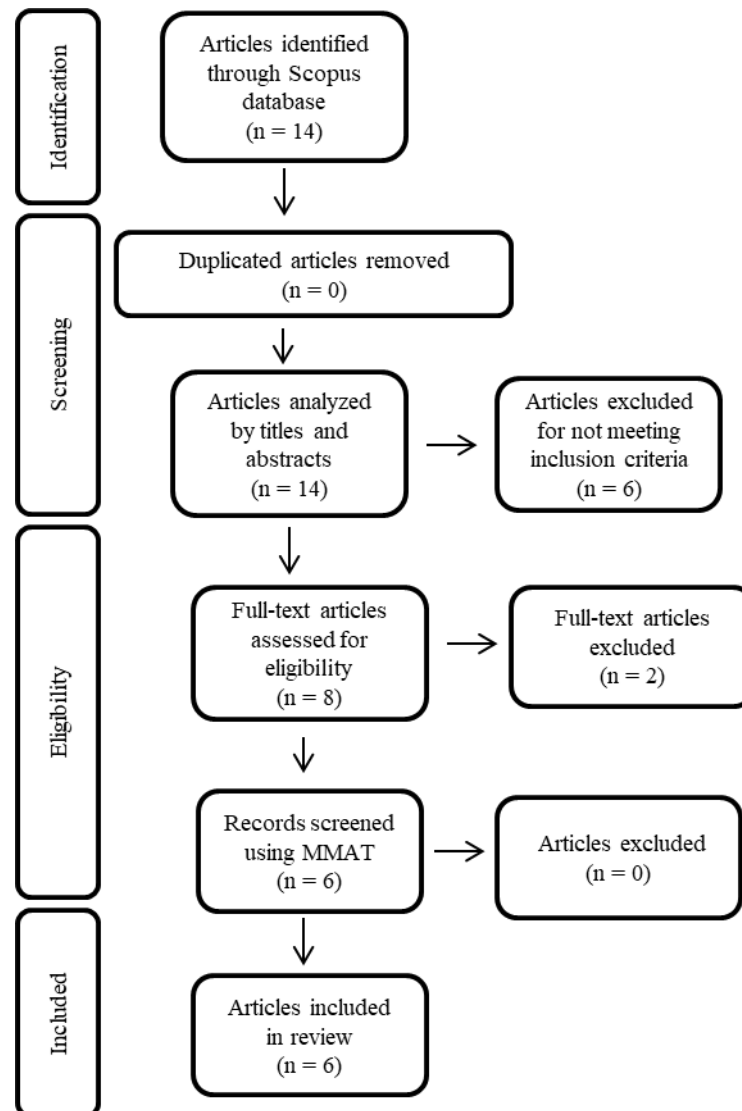
crucial role in forming and maintaining cohesive and collaborative nursing teams (Bhowmik, 2021; Campbell et al., 2020). The interrelation between nursing teamwork and the quality of care is indisputable (Bhowmik, 2021; Campbell et al., 2020). Nursing team members, through collaboration and integrated efforts, enhance their ability to identify and address patient needs. The exchange of information among nurses through effective communication leads to well-informed decisions, ensuring a more coordinated, productive, and effective workflow (Zhao et al., 2021). In this context, the importance of exploring the synergy between nursing teamwork and the delivery of quality care becomes evident. Thus, the objectives of this literature review were to analyze and discuss the influence of nursing teamwork on the quality of care.

### **Materials and Methods**

This is an integrative review conducted based on the five stages proposed by Whitemore and Knafl (2005). Firstly, the research problem was formulated. Subsequently, searches were conducted to access relevant literature. The gathered information was then analyzed and evaluated in detail, and finally, the data were reported. The following question guided the review: “What is the literature perspective on the influence of nursing teamwork on the quality of care?” The search for articles took place during the second week of February 2024, using the Scopus database. Articles were sought based on their titles. The terms used were: “nursing,” “teamwork,” and “care”. Original research articles published in English in scientific journals within the last 10 years, including nurses as participants, whose full texts were available online, and that met the review’s objectives were included. A total of 14 articles were found. After initial analysis, three articles were excluded because they were not conducted with nurses, two others were discarded as they were not original research articles, and one article was excluded because the full text was not available online. After reading the full texts, two more articles were excluded for not meeting the review’s objectives. Following these exclusions, the remaining six articles underwent a methodological assessment using the Mixed Methods Appraisal Tool (MMAT; Hong et al., 2018). It was observed that the articles had high methodological quality, and none of them were excluded after the assessment. However, in two studies, a reduced number of participants limited the representativeness of the studied population. The research flowchart is shown in Figure 1. After the methodological analysis, the information obtained from the included articles was organized and appropriately interpreted, allowing for critical considerations on the topic. Important characteristics of the included articles are presented in Table 1. Ethical standards followed the principles of accuracy of

information and attribution of authorship for the utilized studies, which were cited and referenced according to established guidelines.

**Figure 1.** Research flowchart



### **Findings and Discussion**

Of the six articles included in the review, two are cross-sectional studies, two are qualitative research, one is a correlational study, and one is a mixed-methods study. The articles were published in five different journals between the years 2019 and 2023. The number of participating nurses ranged from 16 to 992. Two articles were conducted in Iran, one in the Netherlands, one in South Korea, one in Sweden, and one in the United Kingdom.

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References	Country	Design/ sample	Main results
Anderson et al. (2019)	United Kingdom	Mixed-Methods Study/ 65 Nurses + Assistants	Positive relationship between teamwork and quality of care
Baek et al. (2023)	South Korea	Cross-Sectional Study/ 992 Nurses	Improving teamwork in nursing can promote patient-centered care
Beiboer et al. (2023)	Netherlands	Qualitative Study/ 16 Nurses	Constructive collaboration within the nursing team can positively influence care
Ghezeljeh et al. (2021)	Iran	Correlational Study/ 213 Nurses	Inverse relationship between teamwork and missed nursing care
Nobahar et al. (2023)	Iran	Cross-Sectional Study/ 200 Nurses	Higher levels of teamwork are associated with a reduction in missed nursing care
Sandelin et al. (2019)	Sweden	Qualitative Study/ 16 Nurses	In the absence of teamwork, patient safety may be compromised

**Table 1.** Synthetic compilation of the included articles

All six articles pointed to the relevance of nursing teamwork for the effective and efficient delivery of care (Anderson et al., 2019; Baek et al., 2023; Beiboer et al., 2023; Ghezeljeh et al., 2021; Nobahar et al., 2023; Sandelin et al., 2019). Anderson et al.'s (2019) study emphasized the importance of the nursing team's adaptability to different day-to-day situations, as variations in work processes and factors inherent to the external environment influence teamwork and, consequently, the quality of care. According to the study, in addition to nursing teamwork being threatened by communication failures and role ambiguities, issues related to adapting to changes are also challenges that hinder teamwork among nursing team members. Therefore, leadership and coordination are important for the team to work in harmony (Anderson et al., 2019). It was determined through the studies included in this review that when there is interaction and collaboration among nursing team members, including nurse managers, the team provides care more efficiently and effectively (Anderson et al., 2019; Sandelin et al., 2019). Various factors can challenge teamwork in nursing. A previously conducted systematic review highlighted similar points to those identified in this integrative literature review, emphasizing that lack of communication, human resource shortages, role conflicts, and leadership styles can be obstacles to nursing teamwork (Zhao et al., 2021).

The relevance of coordination and collaboration among nursing team members became even more evident in Beiboer et al.'s study (2023), where it was highlighted that the fact that some nurses work in pairs and others work individually impacts teamwork. In another study, it was determined that, in the case of operating room nurses, the best experiences of safe and efficient work were perceived when two colleagues collaborated during surgery, with one acting as the scrub nurse and the other as the circulating nurse. This underscores how teamwork impacts the quality of care (Sandelin et al., 2019). The influence of the number of members in the nursing team and the dynamics of teamwork on the quality of care, i.e., how nursing team members collaborate with each other, and its impact on patient outcomes were also identified in another literature review, reinforcing the results of the present review (Zhao et al., 2021). Therefore, it is evident that nursing teamwork is an important strategy in promoting patient-centered care (Baek et al., 2023). Studies conducted in different departments such as wards (Beiboer et al., 2023), emergency rooms (Ghezeljeh et al., 2021), and intensive care units (Nobahar et al., 2023) indicated a negative relationship between nursing teamwork and the occurrence of missed nursing care. In other words, the more cohesive the nursing team, the fewer the care omissions. Nursing teamwork is even more crucial in surgical centers, where effective dialogue is essential to ensure mutual understanding of intraoperative procedures. Therefore, the presence of committed managers on the front lines is also crucial (Sandelin et al., 2019). Consequently, clinical leadership is essential for the quality of nursing care (Beiboer et al., 2023). A previous integrative review highlighted the need for nursing management to implement measures to encourage the formation of productive and efficient nursing teams, thus avoiding errors and missing care (Campbell et al., 2020). A systematic review conducted in 2023 identified the importance of teamwork, with an emphasis on effective communication, to prevent the incidence of missing nursing care (Monalisa et al., 2023). Thus, it is understood that literature reviews conducted earlier support the current review, emphasizing the importance of leadership for nursing teamwork, and the relevance of collaboration among nursing professionals for the provision of quality care. There is a noticeable need to develop educational programs that address practical methods to promote constructive teamwork and the delivery of quality nursing care (Baek et al., 2023; Beiboer et al., 2023; Ghezeljeh et al., 2021). Furthermore, the commitment of healthcare institutions' administrators, including nurse managers, in creating favorable work environments can facilitate the improvement of teamwork and, consequently, patient-centered care (Baek et al., 2023; Ghezeljeh et al., 2021). Among the efforts of health institutions' managers to promote favorable work environments, strategies related to the

formation and maintenance of a skilled nursing team (Baek et al., 2023), establishment of appropriate work schedules (Baek et al., 2023; Ghezeljeh et al., 2021), allocation of well-defined roles and tasks, setting common goals (Anderson et al., 2019), implementation of appropriate regulations, facilitation of processes, improvement in interpersonal relationships, and development of activities that stimulate motivation (Ghezeljeh et al., 2021) should be present. It is evident that factors directly related to nursing management, such as coordination and leadership, are crucial for the maintenance of cohesive nursing teams (Campbell et al., 2020). Additionally, teamwork should be emphasized from graduation and reinforced through continuous education programs in healthcare institutions (Olsen et al., 2020; Zhao et al., 2021). Despite this literature review providing valuable insights into the studied theme, some limitations should be highlighted. The fact that articles were searched only by titles and in a single database is a significant weakness of the review. Another limitation to be considered is that only articles published in English were included, potentially excluding important studies published in other languages. Therefore, in future research, it is recommended that more comprehensive searches be conducted.

### **Conclusion and Recommendations**

This review aimed to analyze and discuss the influence of nursing teamwork on the quality of care. It was identified that collaboration and coordination among members of nursing teams impact the quality of care. It was also observed that there are many obstacles to the formation of cohesive nursing teams, such as poor communication, role and function ambiguities, difficulties in adapting to changes, exhaustive work schedules, deficiencies in professional training, inappropriate leadership styles, and nursing shortages. Educators should pay attention to the development of practical teaching methods that encourage nursing teamwork from the first years of education of these professionals. The crucial role of nurse managers in creating healthy work environments that support the formation and maintenance of cohesive teams should also be emphasized. It is important to note that the leadership styles adopted by nurse managers will guide the attitudes of other team members since nurse managers act as role models for their followers. Thus, collaboration, effective communication, and coordination among the members of the nursing team are strongly influenced by nurse managers.

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