

Interdisciplinary Collaboration Between Nurses and Physiotherapists in the Care of Hospitalized Patients. Impact, Challenges and Best Practices

Mirela Tushe^{1,2*}, Ester Oshafi³, Lira Iljazi¹, Roxhenca Sula¹, Xhejni Kurti¹ and Elona Laçi¹

¹Department of Nursing and Physiotherapy, Aldent University, Faculty of Technical Medical Sciences, Tirana, Albania

²QSUNT "Mother Theresa" Infectious Diseases Service (Covid 3), and Psychiatry Service, Tirana, Albania

³Department of Technical Medical Laboratory and Imaging, Aldent University, Faculty of Technical Medical Sciences, Tirana, Albania

ABSTRACT

Interdisciplinary collaboration between nurses and physiotherapists is crucial for improving patient outcomes in hospital settings. The integration of these healthcare professionals can enhance patient care, promote recovery, and reduce hospital stays. This paper aims to explore the significance of cooperation between nurses and physiotherapists, focusing on its effects on hospitalized patients, potential challenges, and the benefits of collaborative care. Through an analysis of current research, case studies, and personal observations, we provide evidence supporting the efficacy of interdisciplinary work in improving patient recovery and overall healthcare quality. This collaborative approach can be transformative, not only improving recovery rates but also enhancing the overall patient experience during hospitalization.

*Corresponding author

Mirela Tushe, QSUNT "Mother Theresa" Infectious Diseases Service (Covid 3), and Psychiatry Service, Tirana, Albania.

Received: April 16, 2025; **Accepted:** April 17, 2025; **Published:** April 25, 2025

Keywords: Interdisciplinary Collaboration, Nurses, Physiotherapists, Hospitalized Patients, Rehabilitation, Patient Outcomes, Patient Satisfaction, Communication Barriers, Teamwork, Healthcare Settings, Patient Recovery, Collaborative Care, Professional Satisfaction, Interdisciplinary Training, Healthcare Management

Introduction

In modern healthcare systems, the role of interdisciplinary collaboration in enhancing patient outcomes cannot be overstated. Nurses and physiotherapists are both integral parts of a healthcare team, yet their collaboration remains essential for the holistic care of hospitalized patients. Nurses typically focus on the ongoing medical and emotional needs of patients, ensuring their comfort and safety, while physiotherapists play a key role in rehabilitation, improving mobility and functionality. However, when these two professions work together cohesively, patient recovery can be optimized, leading to better clinical outcomes and greater patient satisfaction. From our experience, when nurses and physiotherapists join forces, they create a support network that accelerates recovery and promotes positive health outcomes for patients.

Literature Review

Extensive research supports the idea that interdisciplinary collaboration can greatly enhance the quality of care provided to hospitalized patients. According to a study by hospitals that adopted collaborative care models, where physiotherapists and nurses worked closely together, saw a significant reduction in recovery times and complications for patients [1]. This highlights the direct benefits that arise from a team-based approach to care, where both healthcare professionals are actively engaged in the

rehabilitation process. Furthermore, found that patient satisfaction increased when both disciplines were involved in the rehabilitation process, suggesting that the psychological benefits of coordinated care are just as important as the physical ones. In our view, patient satisfaction is often a reflection of the sense of security and care that patients feel when they experience coordinated and holistic treatment [2].

From our personal observations in hospital settings, the importance of communication between the two disciplines cannot be emphasized enough. We have seen situations where clear communication leads to better patient outcomes, whereas lack of communication has caused delays and confusion in treatment. According to, shared knowledge between nurses and physiotherapists is key to providing the best possible care, as it ensures both professionals are fully aware of the patient's condition, progress, and treatment plan [3]. This type of collaboration helps both sides understand each other's perspectives, leading to better coordinated care.

Methodology

This paper uses a qualitative approach, analyzing relevant studies, hospital data, and personal clinical observations. Interviews were conducted with healthcare professionals, including nurses and physiotherapists, to gain insights into their experiences and challenges when collaborating. Additionally, case studies from hospitals that implement interdisciplinary care were reviewed to assess the impact on patient recovery and satisfaction. This research methodology enables a comprehensive understanding of the strengths and challenges of interdisciplinary teamwork, which we believe is crucial to improving patient care.

Through our own observations and discussions with colleagues in various healthcare settings, it became evident that one of the key elements for successful collaboration is a structured communication plan. In our experience, teams that prioritize clear, regular communication can more effectively address patient needs and provide comprehensive care. Without a clear communication strategy, professionals can easily become isolated in their roles, potentially missing important opportunities to improve patient outcomes.

Results

Patient Benefits

- **Improved Recovery Outcomes:** Patients receiving integrated care from both nurses and physiotherapists showed faster recovery times. For instance, in the orthopedic department where we observed patient care, patients recovering from knee replacement surgery reported significant improvements in mobility when treated jointly by nurses and physiotherapists. This illustrates how a coordinated approach can address both the medical and physical aspects of recovery, ensuring patients receive the most comprehensive care. We have personally witnessed how patients who receive combined interventions feel more empowered in their rehabilitation process.
- **Reduced Hospital Stay:** The integration of care practices results in shorter hospital stays for patients, which can lead to cost savings for healthcare facilities. In our experience, patients who received early physiotherapy interventions alongside routine nursing care often left the hospital a few days earlier than those who only received standard nursing treatment. This is especially valuable in hospital settings where bed capacity is a concern, and reducing unnecessary stays can help optimize hospital resources.
- **Enhanced Patient Satisfaction:** One key observation from our clinical experience is that patients often express a sense of security and satisfaction when they see coordinated efforts between their nurses and physiotherapists. A study by also found that patients are more satisfied when both disciplines are actively involved in their rehabilitation process. Personally, we have seen how patients appreciate being informed by both professionals about the plan of care and the goals they are working towards, which fosters a sense of control and reassurance.

Professional Benefits

- **Increased Job Satisfaction:** Nurses and physiotherapists often report higher job satisfaction when collaborating effectively. This has been evident in the hospital where we worked, where team meetings and shared patient goals contributed to a more supportive and engaging work environment. Both nurses and physiotherapists feel a sense of accomplishment when they witness their joint efforts leading to improved patient outcomes. We believe that when healthcare professionals collaborate effectively, they not only improve patient care but also feel more connected to their roles and each other.
- **Better Knowledge Sharing:** In our observations, physiotherapists and nurses have much to learn from one another. Nurses gain insight into effective rehabilitation techniques, while physiotherapists learn about the medical intricacies of patient care that nurses deal with daily. This knowledge exchange helps build a more comprehensive treatment plan for patients, as highlighted by. We've personally observed that this exchange leads to innovative

solutions for complex patient needs, as both professionals bring different perspectives to the table.

Challenges

- **Communication Barriers:** Effective communication is not always easy to establish. We have observed, especially in busy hospital units, that communication breakdowns between nurses and physiotherapists can lead to delays in patient care. For example, there have been instances where physiotherapists arrived for scheduled sessions only to find that nurses had not yet completed essential patient assessments, thereby disrupting the rehabilitation process. This situation can cause frustration for both the patient and healthcare providers, and it highlights the importance of structured communication.
- **Time Constraints:** Nurses and physiotherapists often have demanding schedules, making it difficult to align their routines. In a hospital setting where we have observed such collaboration, it was often a challenge to find a time slot for joint patient care sessions. This is a common barrier, as noted by where time constraints prevent timely interventions [4]. We believe that optimizing scheduling systems and allocating time for interdisciplinary rounds can help mitigate this challenge.
- **Lack of Joint Training:** The lack of formal training on interdisciplinary care is another challenge. In our experience, there are often discrepancies in how nurses and physiotherapists perceive their roles in patient recovery. The absence of joint training programs has led to misunderstandings about responsibilities and treatment protocols. According to this can hinder effective teamwork and result in fragmented care delivery [5]. We have observed firsthand how a lack of joint education on roles and expectations can create confusion, which impacts the overall care process.

Discussion

The evidence and our clinical observations confirm the substantial benefits of nurse-physiotherapist collaboration in enhancing patient outcomes. One area that requires attention, however, is the development of structured communication channels. We believe that introducing regular interprofessional meetings and joint training sessions could significantly improve team dynamics and patient care delivery [6-8].

In addition, fostering a culture of mutual respect and understanding is key. From our experience, when nurses and physiotherapists take the time to understand each other's expertise and approach to care, they can work together more effectively. For example, nurses may develop a deeper appreciation for the role physiotherapists play in helping patients regain mobility, while physiotherapists may better understand the critical role nurses play in managing patients' medical needs [9-12].

It is clear that interdisciplinary collaboration leads to better patient outcomes, faster recoveries, and increased job satisfaction for healthcare professionals. However, the barriers, such as communication gaps, time constraints, and lack of joint training, need to be addressed. As a suggestion from our personal experience, healthcare institutions should prioritize the integration of collaborative care protocols and invest in professional development programs that emphasize teamwork across disciplines [13,14].

Conclusion

Interdisciplinary collaboration between nurses and physiotherapists

plays a vital role in improving patient care in hospital settings. This approach results in faster recoveries, fewer complications, and higher patient satisfaction. However, healthcare systems must address the challenges of communication, time management, and training to maximize the benefits of this collaborative model. As we have witnessed through our personal experience, hospitals that foster strong teamwork between nurses and physiotherapists can significantly enhance both patient outcomes and staff satisfaction.

References

1. Smith J, White P (2020) Collaborative care models in hospitals: Impact on patient outcomes. *Journal of Healthcare Management* 45: 100-112.
2. Lee A, Walker D (2019) Patient satisfaction and interdisciplinary care: The impact of nurse-physiotherapist collaboration. *International Journal of Nursing Studies* 57: 120-128.
3. Robinson R (2020) Knowledge exchange between physiotherapists and nurses in hospital settings: A review. *Journal of Clinical Physiotherapy* 38: 289-296.
4. Jackson L (2021) Overcoming time constraints in interdisciplinary patient care. *Clinical Nursing Studies* 9: 98-107.
5. Miller H (2021) Lack of interdisciplinary training: A barrier to effective collaboration in healthcare settings. *Journal of Interprofessional Care* 35: 459-466.
6. Brown M (2022) Nurses and physiotherapists working together: Improving patient rehabilitation outcomes. *Physiotherapy Research International* 18: 250-260.
7. Clark C (2022) Interprofessional collaboration in healthcare: A study of nurses and physiotherapists. *Journal of Clinical Nursing* 34: 528-536.
8. Green J (2019) Developing shared care plans for interdisciplinary teams: A strategy for improving patient outcomes. *Journal of Healthcare Management* 44: 176-185.
9. Jansen P (2021) The role of physiotherapists in post-surgical recovery: A collaborative approach. *Journal of Physiotherapy* 68: 212-220.
10. Lee M (2020) Communication barriers in interdisciplinary collaboration in healthcare: A case study. *Health Communication* 35: 115-123.
11. Thompson K (2018) Reducing hospital complications through interdisciplinary care: A systematic review. *Journal of Patient Safety* 14: 323-330.
12. Wilson C (2021) The benefits of team-based rehabilitation: A review of the literature on nurse-physiotherapist collaboration. *Rehabilitation Nursing* 46: 152-159.
13. Zhang Y (2019) The role of interprofessional collaboration in improving patient care outcomes: A systematic review. *Journal of Clinical Nursing* 28: 1440-1449.
14. Zhang L, Liu J (2020) Bridging the gap between nursing and physiotherapy: Collaborative care in the rehabilitation of hospitalized patients. *International Journal of Therapy and Rehabilitation* 27: 743-751.

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