

Involvement of companions in patient safety in pediatric and neonatal units: scope review

Envolvimento dos acompanhantes na segurança do paciente em unidades pediátricas e neonatais: revisão de escopo Implicación de los acompañantes en la seguridad del paciente de unidades pediátricas y neonatales: revisión de alcance

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ABSTRACT

Objectives: to describe scientific evidence on the involvement of companions in patient safety, from their own perspective and health professionals' perspective in neonatal and pediatric units. **Methods:** scoping review carried out according to The Joanna Briggs Institute's recommendations, in eight databases, following the Preferred Reporting Items checklist for Systematic Reviews and Meta-Analyses extension for Scoping Reviews checklist, between 2011 and 2021. **Results:** the 13 studies included highlighted the importance of companions' involvement in patient safety and the prevention of adverse events. However, they pointed out failures in communication and weakness in the training of professionals, which were obstacles to their involvement. The strengthening of health education, multidisciplinary rounds and educational technologies were highlighted as strategies to expand the involvement of companions. **Final Considerations:** this study directs elements for health professionals and managers to rethink the companions' role in patient safety and development of collective strategies.

Descriptors: Patient Participation; Family; Patient Safety; Pediatrics; Neonatology.

RESUMO

Objetivos: descrever evidências científicas sobre o envolvimento dos acompanhantes na segurança do paciente, na perspectiva desses e dos profissionais de saúde em unidades neonatais e pediátricas. Métodos: revisão de escopo realizada segundo recomendações do The Joanna Briggs Institute, em oito bases de dados, seguindo o checklist Preferred Reporting Items for Systematic Reviews and Meta-Analyses extension for Scoping Reviews, entre 2011 e 2021. Resultados: os 13 estudos incluídos evidenciaram a importância do envolvimento do acompanhante na segurança do paciente e na prevenção de eventos adversos. Entretanto, apontaram falhas na comunicação e fragilidade na formação dos profissionais, sendo esses dificultadores para o envolvimento. O fortalecimento da educação em saúde, rounds multidisciplinares e tecnologias educativas foram destacadas como estratégias para ampliar o envolvimento dos acompanhantes. Considerações Finais: esse estudo direciona elementos para que profissionais de saúde e gestores repensem a atuação do acompanhante na segurança do paciente e desenvolvam estratégias coletivas.

Descritores: Participação do Paciente; Família; Segurança do Paciente; Pediatria; Neonatologia

RESUMEN

Objetivos: describir la evidencia científica sobre la implicación de los acompañantes en la seguridad del paciente, desde la perspectiva del susodicho y de los profesionales sanitarios de las unidades neonatales y pediátricas. Métodos: es una revisión de alcance realizada entre 2011 y 2021 en ocho bases de datos, según las recomendaciones del Instituto Joanna Briggs y siguiendo la lista de verificación Preferred Reporting Items for Systematic Reviews and Meta-Analyses extension for Scoping Reviews. Resultados: se incluyeron 13 estudios que demuestran la importancia de la implicación en la seguridad del paciente y en la prevención de eventos adversos. Sin embargo, se han detectado grietas en la comunicación y fragilidad en la formación de los profesionales, lo que dificulta dicha implicación. El fortalecimiento de la educación en salud, las rondas multidisciplinares y las tecnologías educativas se destacaron como estrategias para ampliar el envolvimiento de los acompañantes. Consideraciones Finales: Este estudio dirige elementos para que profesionales de la salud y gerentes reconsideren el papel de los acompañantes en la seguridad del paciente y desarrollo de estrategias colectivas. Descriptores: Participacón del Paciente; Família; Seguridad del Paciente; Pediatría; Neonatología.

INTRODUCTION

The discussion on initiatives to promote safety and quality in health care has been the subject of wide debate worldwide. Patient safety (PS) is understood as the reduction of the risk of unnecessary harm caused by health care through measures that offer better results⁽¹⁾. Thus, patient safety is linked to the adoption of strategies aimed at preventing the occurrence of preventable adverse events (AE) and, when not avoidable, minimize their effects on the patient, in addition to encouraging the adoption of a safety culture, in which errors can be recognized and avoided⁽¹⁾.

Regarding the risk of AE in health care, the World Health Organization (WHO) created the World Alliance for Patient Safety with the aim of improving the quality of health services⁽²⁾. Therefore, the Ministry of Health, aiming at achieving the WHO goals, implemented the National Patient Safety Program (NPSP) aiming to contribute to safe care in the national territory⁽³⁾. One of the axes of this program is the "Patient for patient safety", since participation of patients and caregivers during the hospitalization process has been extremely important in increasing PS, as well as in reducing adverse events⁽²⁾.

The term "patient participation" can be defined as the patient's involvement in the decision-making process in relation to health issues (4). Based on this principle, the aim is to enable patients to know about their health status, whether encouraged to interact with professionals and participate in the decisions of their care plan. Thus, the patient and the companion are encouraged to get involved in care with their rights and singularities respected and, at the same time, collaborate in the prevention of AE⁽⁵⁻⁶⁾.

Regarding pediatric and neonatology units, children are more exposed to the occurrence of AE because of their specific characteristics. Accelerated metabolism, greater variation in body weight when compared to adults, frequent adjustment of drug doses and concentrations, immaturity in the development of organs and systems, curiosity and unpredictability of movements, characteristics of child development, among other characteristics, make professionals and managers pay special attention to these patients⁽⁷⁻⁹⁾.

An American study developed by the Institute of Healthcare Improvement identified that, for every 100 children, 40 were victims of AE, 18 being potentially preventable (9). In Brazil, a descriptive, cross-sectional observational study found that there were a total of 73 adverse events in the Neonatal and Pediatric Intensive Care Unit, highlighting, among them, losses from the Peripherally Inserted Central Catheter (PICC), phlebitis, skin or soft tissue injury, medication errors, among others⁽⁷⁾. In the search for PS and AE prevention, studies emphasize the importance of including companions in patient care, especially in pediatrics and neonatology⁽¹⁰⁻¹⁴⁾. Encouraging the participation of companions in child care favors health education and the co-production of care between them and health professionals⁽¹⁵⁾. However, the literature considers that the family's participation in PS is permeated by many challenges, with different perceptions among the people who participate in the care circumstances, which need to be discussed in search of strategies that lead to a more effective practice(16-17).

In order to provide essential information for the creation of strategies aimed at involving the companion in PS and favoring the transposition of scientific evidence on the subject exposed to care practice in neonatology and pediatrics, the following question arose: what does the literature present about evidence on the involvement of companions in PS, from their perspective and that of health professionals in neonatal and pediatric units? It is noteworthy that, in this study, by portraying pediatric and neonatology scenarios, parents, family members or other careqivers were characterized as companions.

This study is justified by obtaining elements that can support discussions on effective strategies in search of greater involvement of the companion in PS in neonatal and pediatric units.

OBJECTIVES

To describe the scientific evidence on the involvement of companions in patient safety, from their and health professionals' perspective in neonatal and pediatric units.

METHODS

Ethical aspects

As this is a scoping review, submission to the Research Ethics Committee was not necessary. However, the reliability and reliability of the information contained in the selected publications was guaranteed⁽¹⁸⁾.

Type of study

This is a scope review, which aims to identify or explain the main scientific evidence on a certain topic, highlighting existing knowledge gaps, in addition to proposing the clarification of the main concepts present in the literature⁽¹⁹⁾. It is noteworthy that the research was prepared based on the guidelines of the Review Manual of the Joanna Briggs Institute⁽¹⁹⁾.

Methodological Procedure

This study was registered in the Open Science Framework Platform (https://osf.io/srzvw/), adopting the Preferred Reporting Items for Systematic Reviews and Meta-Analyses extension for Scoping Reviews checklist (PRISMA-ScR)⁽²⁰⁾, in order to describe the scientific evidence on the involvement of caregivers in patient safety.

Thus, for its development, as mentioned, the recommendations published in the JBI Manual for Evidence Synthesis⁽¹⁹⁾, version 2020, were followed, covering the following steps: defining the objective and research question; define inclusion criteria; define strategy for data selection and extraction; search, selection and analysis of publications in information sources; and presentation and synthesis of results.

The mnemonic population, concept and context (PCC)⁽¹⁹⁾, was used, where P: companions of children and newborns, C: involvement in patient safety and C: pediatric and neonatal hospital units, to create the guiding question: What are the available evidence on companion involvement in pediatric and neonatal patient safety? The inclusion criteria for the pre-selection of studies were: English, Portuguese or Spanish; and publications between 2011 and 2021. Duplicate and review articles, editorials, letters to the editor, abstracts and expert opinion or articles that did not meet the purpose of this review were considered as exclusion criteria.

Data collect

The next steps (extraction, creation and search of evidence) correspond to the research strategy and were reported in a comprehensive manner, in accordance with the JBI recommendations. The search was carried out between July 2020 and April 2021, in the Latin American and Caribbean Literature in Health Science (LILACS) database, nursing database (BDENF) Medical Literature Analysis and Retrieval System Online (MEDLINE) access via PubMed, Cochrane Library, CINAHL, SCOPUS, Web of Science and EMBASE. Appropriate descriptors were chosen for the researched databases (Medical Subject Headings - MeSH and Descriptors in Health Sciences - DeCS), as well as keywords were adopted in order to expand the textual research. Furthermore, the reference list of the articles included was used, in order to verify the articles used and retrieve the pertinent ones. Chart 1 demonstrates the strategies developed using the descriptors listed with the help of the Boolean operators AND and OR, in addition to the quantity of articles located and selected in each database.

It should be noted that two more articles were included in the reference list, totaling 13 articles in the sample.

Data analysis

The study selection was performed through careful reading of titles and abstracts, in order to verify if the studies fit in the final selection, meeting the aforementioned criteria. For the final selection, articles that presented evidence on the involvement of the companion in pediatric and neonatal patient safety were chosen. Data collection and analysis were performed by three independent reviewers and, when consensus was not possible, the evaluation of a fourth reviewer was used. The final stages of extraction and delimitation of information related to the evidence were carried out through descriptive analysis to characterize the studies. This step was performed using an instrument developed by the authors, consisting of the characterization of the publication (year, publication country, title and authors), methodological characteristics (study design, scenario and sample), main results and level of evidence of the study. The classification regarding the level of evidence was based on the categorization of the Agency for Healthcare Research and Quality (AHRQ), which proposes seven levels of evidence, 1 being the highest level and 7 the lowest level of evidence(21).

Chart 1 - Search strategies and number of studies located and selected in databases, Belo Horizonte, Minas Gerais, Brazil, 2021

Database (Number of studies)	Search Strategies	Included study
LILACS (22)	("Patient Safety" OR "Seguridad del Paciente" OR "Segurança do Paciente") AND ("Medical Chaperones" OR "Chaperones Médicos" OR "Acompanhantes Formais em Exames Físicos" OR "Acompanhante Formal do Paciente" OR "Acompanhante Médico" OR "Acompanhante de Paciente" OR "Acompanhantes Formais de Pacientes" OR "Acompanhantes de Pacientes" OR "Apoio Familiar de Paciente" OR "Caregivers" OR "cuidadores" OR "cuidador" OR "Cuidador Familiar" OR "Cuidador de Família" OR "Cuidadores Familiares" OR "Cuidadores de Família" OR "Familiar Cuidador" OR "Familiares Cuidadores" OR "Participação da Família" OR "Participação Familiar" OR "Family Participation" OR "Envolvimento da Família" OR "Envolvimento da Família" OR "Engajamento da Família" OR "Engajamento da Família" OR "Engajamento Familiar" OR "Engajamento OR "engagement" OR "envolvimento" OR "involvement" OR "engajamento" OR "engagement" OR "engag	
BDENF (10)	("Patient Safety" OR "Seguridad del Paciente" OR "Segurança do Paciente") AND ("Medical Chaperones" OR "Chaperones Médicos» OR «Acompanhantes Formais em Exames Físicos" OR "Acompanhante Formal do Paciente" OR "Acompanhante Médico" OR "Acompanhante de Paciente" OR "Acompanhantes Formais de Pacientes" OR "Acompanhantes de Pacientes" OR "Apoio Familiar de Paciente" OR "caregivers" OR "cuidadores" OR "cuidador" OR "Cuidador Familiar" OR "Cuidador de Família" OR "Cuidadores Familiares" OR "Cuidadores de Família" OR "Familiar Cuidador" OR "Familiares Cuidadores" OR "Participação da Família" OR "Participação Familiar" OR "Family Participação Familiar" OR "Family Participation" OR "Envolvimento da Família" OR "Envolvimento Familiar" OR "Family Engagement" OR "envolvimento" OR "involvement" OR "engajamento" OR "engagement" OR "acompanhante" OR "companion") AND ("pediatrics" OR "pediatria" OR "pediatria	2
MEDLINE via PubMed (908)	"patient safety AND medical chaperones OR caregivers OR family participation OR family involvement OR family engagement OR involvement OR engagement OR compajnion AND pediatrics OR child OR pediatric patient".	
COCHRANE (163)	"patient safety AND medical chaperones OR caregivers OR family participation OR family involvement OR family engagement OR involvement OR engagement OR companion AND pediatrics OR child OR pediatric patient".	0
CINAHL (204)	"patient safety AND medical chaperones OR caregivers OR family participation OR family involvement OR family engagement OR involvement OR engagement OR companion AND pediatrics OR child OR pediatric patient".	0
SCOPUS (459)	"patient safety AND medical chaperones OR caregivers OR family participation OR family involvement OR family engagement OR companion AND pediatric patient".	
WEB OF SCIENCE (15)	"patient safety AND medical chaperones OR caregivers OR family participation OR family involvement OR family engagement OR involvement OR engagement OR companion AND pediatrics OR child OR pediatric patient".	0
EMBASE (711)	"patient safety AND family OR caregiver AND pediatric patient".	0
TOTAL* *Total of studies found in each of		11

^{*}Total of studies found in each database.

Then, a thematic analysis of the content was carried out to identify the key posts in the literature found, which were grouped into guiding axes. Finally, the results were reviewed in relation to the involvement of companions in the safety of pediatric and neonatal patients, especially with regard to facilitating and hindering aspects, as well as the strategies of involvement of the companion in patient safety.

RESULTS

A total of 2651 studies were found in the databases, 2 were identified in the reference lists. From the first analysis, 66 studies were removed for duplication, totaling 2587 for title and abstract reading. Subsequently, the three reviewers independently verified those who answered the research question or who were within the topic, with the selection of articles proper for reading the full text, with 2431 studies being excluded, resulting in articles eligible for reading. Of these, 143 were analyzed according to the inclusion criteria. Therefore, 13 articles met the inclusion criteria and were part of the final sample (Figure 1).

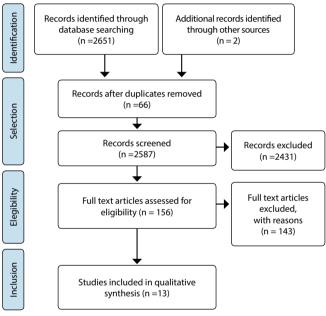


Figure 1 – Flowchart of the review article selection process, PRISMA-ScR, Belo Horizonte. Minas Gerais. Brazil. 2021

The final sample consisted of a total of 13 articles, among which the oldest was published in 2014 and the most recent in 2020. Three (23.1%) were published in 2020, two (15.4%) in 2019, two (15.4%) in 2018, three (23.1%) in 2017 and three (23.1%) in 2014.

The most frequent design was qualitative, with ten (76.9%) articles, followed by quantitative, with two (15.4%), and one (7.7%) characterized as a mixed method. The studies included in the review are presented in Chart 2 with information on authors, title, year, country of publication, objective, design, sample, scenario, results and level of evidence.

Thus, to facilitate the presentation of the information extracted from the records, the contents were grouped into four guiding axes: perception of the involvement of companions in patient safety, facilitating aspects, hindering aspects and strategies to increase the involvement of companions in the patient safety (Chart 3).

DISCUSSION

This study contributed to investigations on the involvement of companions in PS in pediatric and neonatal units from the perspective of those and health professionals. The results obtained showed points of divergence and agreement in relation to professionals and companions regarding the perception, strategies used, facilitating and hindering aspects for the involvement of companions in patient safety.

Regarding the perception of the involvement of companions in PS, they recognized that they can contribute to patient safety, especially in the prevention of incidents and AE^(23,25,29), in addition to stressing that this participation should be mandatory⁽²⁵⁾, diverging from the professionals' perception⁽³³⁾. However, professionals say that companions, as long as they are oriented and aware of their participation, can positively influence PS. They also reinforce the need for interaction, dialogue and clear communication between professionals and companions^(23,33). This is a very important aspect, considering that companions recognize that the lack of attention and support from professionals to the observations made by them, related to the children health and safety, contributes to increased anxiety, insecurity and even from stress, causing distancing instead of approximation⁽²⁹⁻³⁰⁾.

Chart 2 - Characteristics of the studies included in the scoping review, Belo Horizonte, Minas Gerais, Brazil, 2021

Author Title	Year Country	Objective	Study design Sample Scenario	Results	Level of evidence
Biasibetti et al. ⁽²²⁾ "Comunicação para a segurança do paciente em internações pediátricas"	2019 Brazil	To analyze the perception of health professionals and companions/family members regarding the development of communication for patient safety in pediatric hospitalizations.	Type of study: Qualitative. Sample: 44 health professionals and 94 companions. Scenario: Pediatric clinical-surgical inpatient units.	Participants identified problems in the academic training of health professionals, failures in institutional organization, lack of professional commitment and lack of integration between the health team and companions. As for the tools to qualify communication, the participants pointed out strategies such as the organization and compliance with standardized, computerized and bureaucratic processes, as well as the participation of all actors involved in care for the development of improvements related to pediatric patient safety through of effective communication.	6

To be continued

Chart 2

Author Title	Year Country	Objective	Study design Sample Scenario	Results	Level of evidence
"Parental involvement in the preoperative surgical safety checklist is welcomed by both parents and staff"	2014 Ireland	To establish how the surgical team and parents accept parental involvement during the Safe Surgery Checklist.	Type of study: Qualitative. Sample: 42 parents and 42 professionals. Scenario: Mother and child hospital.	Parents feel that family participation during the safe surgery checklist should be mandatory. The healthcare team recognized that parental participation is important to promote patient safety.	6
Gonçalves et al. ⁽²⁴⁾ "Estratégia lúdica para promoção do engajamento de pais e acompanhantes na segurança do paciente pediátrico"	2020 Brazil	To evaluate a playful strategy developed to promote the engagement of parents and companions in pediatric patient safety actions.	Type of study: Qualitative. Sample: 17 parents and companions. Scenario: Pediatric inpatient unit.	Participants evaluated the game as a playful, innovative, informative and educational resource regarding the process of family involvement in patient safety. Furthermore, they highlighted the change in behavior in favor of patient safety after experiencing the game.	6
Hoffman et al. ⁽²⁵⁾ "Identificação de incidentes de segurança do paciente pelos acompanhantes de crianças hospitalizadas"	2019 Brazil	Describe the security incidents identified by the companions of hospitalized children.	Type of study: Qualitative. Sample: 40 companions. Scenario: Pediatric Inpatient Units.	The incidents identified by the companions were related to falls, identification, dietary errors, medication errors, hygiene and communication failures.	6
Hoffman et al. (26) "Patient safety incidents reported by relatives of hospitalized children"	2020 Brazil	To know the main safety incidents reported by family members of patients admitted to pediatric units.	Type of study: Qualitative. Sample: 91 family members. Scenario: Intensive care unit Pediatrics and Pediatric Emergency Room.	Family members recognized incidents related to medication administration, communication failures, incorrect hand hygiene, incorrect use of Personal Protective equipment, failures in patient identification and monitoring of visits.	6
Khan et al. ⁽²⁷⁾ "Families as partners in hospital error and adverse event surveillance"	2017 United States	Perform comparison of adverse events records: 1)With the presence and report of the family and without the family; 2)Reported by family and physicians; 3)Reported by the family and rate established by the hospital.	Type of study: Quantitative. Sample: 717 companions and 77 nursing and medical residents. Scenario: Pediatric units.	1)The rates of adverse events reported in the presence of family members were 1.1 times higher than rates without family members. 2) Families and physicians reported similar error rates (10.0 vs 12.8 per 1000 patient-days; and AEs (8.5 vs 6.2 per 1000 patient-days). 3) Family-reported error rates were 5.0 times higher than adverse events rates reported by hospital incident reports.	4
Lydon et al. ⁽²⁸⁾ "Parents' perspectives on safety in neonatal intensive care: a mixed-methods study"	2014 United States	To examine parents' perspectives regarding the safety of the patient in the Neonatal Intensive Care Unit.	Type of study: Qualitative and quantitative. Sample: 46 parents responded to the questionnaires and 14 of these parents also participated in 10 interviews. Scenario: Neonatal Intensive Care.	Parents showed little concern about the safety of the procedures. Therefore, participants suggested engagement strategies that address clinical treatment articulated to the domains of physical, developmental and emotional safety, which may result in safety improvements.	6

To be continued

Author Title	Year Country	Objective	Study design Sample Scenario	Results	Level of evidence
Massa et al. ⁽²⁹⁾ "Condiciones de seguridad percibidas por cuidadores familiares en atención pediátrica"	2020 Colombia	To identify the perception of caregivers about the safety conditions of care in a pediatric hospital.	Type of study: Quantitative. Sample: 163 caregivers. Scenario: Pediatric Units.	86% of caregivers perceived safety in the child's hospitalization and, according to them, 60.2% of professionals explained the procedures to caregivers. Communication is clear for 70% of caregivers, 58.3% of them are alert to detect possible risks, 75.5% follow the recommendations given and 70.5% of caregivers trust the professionals.	6
Peres et al. (30) "Percepção de familiares e cuidadores quanto à segurança do paciente em unidades de internação pediátrica"	2018 Brazil	To recognize the perceptions of family members and companions regarding patient safety in a pediatric inpatient unit.	Type of study: Qualitative. Sample: 24 companions. Scenario: Pediatric Inpatient Units.	Several respondents have never heard of patient safety. Family members believe that their main role is to provide emotional support for the child, but they recognize that they can help to prevent mistakes. Adverse events related to medication, procedure and lack of communication are the most worrying of parents.	6
Rodrigues et al. ⁽³¹⁾ "Segurança do paciente em unidade neonatal: preocupações e estratégias vivenciadas por pais"	2018 Brazil	To analyze how parents identify patient safety in a neonatal unit.	Type of study: Qualitative. Sample: 23 family members. Scenario: Neonatal inpatient unit.	The parents spoke about patient safety, mentioning their concerns regarding the flow of people, inefficient communication, problems with patient identification, the risk of infection, the risk of falling and injury due to the use of a medical device, and strategies that could prevent these incidents.	6
Rosenberg et al. (92) "Provider perspectives on partnering with parents of hospitalized children to improve safety"	2017 United States	To explore the perspectives and experiences of pediatric professionals regarding family participation in pediatric patient safety.	Type of study: Qualitative. Sample: 20 health professionals. Scenario: Pediatric teaching hospital.	Professionals believe that parental involvement should not be mandatory, but that it helps to reduce errors. They presented, as facilitating aspects for patient safety, the clear definition of roles, the gain of trust, sympathy and effective communication. As barriers, they mentioned role conflicts, the lack of skill and time to put parents in safety, in addition to the concern with overloading the family.	6
Silva et al. ⁽³³⁾ "Segurança da criança hospitalizada na UTI: compreendendo os eventos adversos sob a ótica do acompanhante"	2014 Brazil	To describe the adverse events identified by the family member/caregiver in a Pediatric Intensive Care Unit.	Type of study: Qualitative. Sample: 13 companions. Scenario: Pediatric Intensive Care Unit.	The family member/caregiver realized that many of the adverse events were related to a lack of scientific knowledge on the part of the nursing team to safely perform some procedures. Regarding the medical team, there were problems related to communication with family members/caregivers, especially the form and content of the information received.	6
Sousa et al. ⁽³⁴⁾ "A participação da família na segurança do paciente em unidades neonatais na perspectiva do enfermeiro"	2017 Brazil	To understand family participation in patient safety in Neonatal Intensive Care Units from the perspective of nurses.	Type of study: Qualitative. Sample: 14 nurses. Scenario: Intermediate Care and Neonatal Intensive Care Unit.	Nurses recognize the importance of family participation in neonatal patient safety, as well as in the prevention of incidents. However, they highlighted the lack of preparation to deal with the family member in their daily work. They also highlighted that the welcoming and guidance of family members are important strategies for family involvement in patient safety actions.	6

Chart 3 – Analysis of the involvement of companions in patient safety, from their and health professionals' perspective, Belo Horizonte, Minas Gerais, Brazil, 2021

Perception about the involvement of companions in patient safety			
Perspective of companions	Perspective of health professionals		
 Companion as a barrier to the occurrence of adverse events^(23,25,29); Participation of companions contributes to patient safety and should be mandatory⁽²⁴⁾; Participation of companions does not predispose to increased anxiety⁽²⁴⁾. 	 The involvement of companions depends on the professional's attitude⁽³³⁾; The involvement of companions should not be mandatory⁽³³⁾. 		

To be continued

Chart 3 (concluded)

Facilitating aspects for the involvement of companions in patient safety Perspective of companions Perspective of health professionals Receive explanations about the rules and procedures offered by the Participation of companions in the safe surgery checklist does not change the procedure time(24); team(30) Having clear communication with the health team(30); Recognition of the importance of the participation of companions Receive information about risks, complications and procedures during the safe surgery checklist(24); performed(30): Family recognition as a barrier to preventing adverse events(23). Receive support and attention from the team when identifying risks for adverse events(30); Trust professionals(29-30); Be aware of the responsibility of companions in monitoring the care provided to their children (29,31); Enable companions to identify risks and adverse events (26-27,30-32). Hindering aspects for the involvement of companions in patient safety Perspective of companions Perspective of health professionals Realize that there are difficulties in reporting patient safety incidents Ineffective communication between everyone involved(23,33); in a form or computerized system(23); Feeling of incapacity on the part of professionals to deal with Ineffective communication between all those involved in child companions(33); care^(23,27,29,32) Absence or distraction of some companions(33); Lack of sufficient materials and equipment, as well as the Concern of professionals with overloading companions⁽³³⁾. precariousness of the hospital structure(26); Impact of the Neonatal Intensive Care Unit environment on the bonding process between the child and companions⁽²⁹⁾ Lack of knowledge of how to help prevent health risks(30); Unfamiliarity of the patient/companion's rights and duties(30); Companions feel excluded from the child's treatment, diagnosis and prognosis, becoming more anxious and insecure(34); Unfamiliarity about the term patient safety⁽³¹⁾. Strategies for the involvement of companions in patient safety Perspective of companions Perspective of health professionals Exchange of information between professionals through systematic Games and playful activities that address the subject of patient safetv(25) shift change, multidisciplinary rounds, transfer of care between sectors Effective communication between everyone involved in child care(23,32); and regular team meetings with the inclusion of companions (23); Adoption of practices against adverse events with the participation of Integration of the care team with companions⁽²³⁾; Practice of double checking information with companions (23); Professional qualification through continuing education and Creation of training and ongoing education to train the team in the encouraging research in the area of patient safety(31,34). process of including companions in patient care and safety⁽²³⁾.

Professionals believe that involvement depends on the professional attitude of encouraging companions, as well as their desire to participate⁽³³⁾. The health team also argues that the lack of skills, training, time to introduce companions to safety, and the concern with the increase in work demand are limiting aspects in this process. Another reported point concerns the absence of a companion at many times and the conflict of roles that may exist between companions and professionals, which cause wear on both parties, often unnecessary, directly interfering with the quality of care and patient safety^(18,33).

The companions also mentioned the importance of recognizing risk situations for AEs, especially in relation to medication errors, patient identification (26-27,30-31) and care procedures (27,30-32). Among the incidents recognized by companions, there are delays in administration, poor communication related to therapy, mistake in drug suspension, infusion time and incorrect dosages, and lack of an allergy bracelet (27). Studies show that, in pediatrics, many AE could be minimized or prevented in face of a partnership and effective communication with the family (30,33-36). The companion has the right to be informed about the medications in use, being able to pay attention to some aspects, such as checking the right medication for the child, at the

right time, in addition to monitoring and clarifying doubts with a professional during the administration of the medication⁽³⁷⁻³⁸⁾. Therefore, the importance of the companions' participation in the prevention of medication errors is perceived, in order to effectively contribute to the quality of health care and in the PS⁽³⁹⁾.

With regard to the patient identification protocol, parents or guardians should receive information, at the time of placing the bracelets, about the importance of their use and the need for maintenance and verification of data. Thus, a study warns that only 35% of parents or guardians were informed about the importance of using an identification bracelet, which motivates the discussion about the need for companions to receive information so that they can be co-participants in the care, contributing to the safety of the neonatal care⁽⁴⁰⁾.

Regarding the incidents detected by companions related to care procedures, failures in care with probes, incorrect disposal of materials, delays in forwarding exams and surgical procedures, incorrect handling of catheters, among others, were identified⁽²⁷⁾. These incidents pointed out by the companions reveal possible flaws in the follow-up records, highlighting the importance of family involvement not only in prevention, but also in the

evaluation process of care procedures. To enable the companion's involvement in the child's safety, it is necessary for professionals to improve the instrumentation of caregivers through education and in the documentation of records in medical records⁽³⁹⁾.

Other AEs identified by companions were risk of infections^(26-27,30,32), phlebitis⁽³⁰⁾, falls or risk of falling^(26,27,30-31), pressure injury⁽³⁰⁾, lack of control of access to the unit^(27,32), failures in the unit's routine and team dynamics⁽³²⁾, errors in the diet offered to patients⁽²⁶⁻²⁷⁾ and unidentified isolation beds⁽²⁶⁾. These situations reinforce the importance of involving companions as partners in the prevention of AE and, consequently, of PS⁽²³⁾. Thus, there is a growing concern of health and teaching institutions with the PS policy, which includes investment in bringing the companion closer to the care being provided, making them co-responsible and partners for the prevention of failures and damage, with increment of the possibilities of a safe hospitalization⁽⁴⁰⁾.

Another relevant aspect in the findings is related to the participation of the companion during the safe surgery checklist. For the professionals, the presence of companions during the checklist has been a very valuable experience, as it provides opportunities for interaction, dialogue and listening⁽²⁴⁾. The authors state that trust in professionals⁽²⁹⁻³⁰⁾ and clear communication between professionals and companions are determining factors for involvement. "Clear communication" is understood as receiving explanations about the rules and procedures offered by the health team and information about risks, complications and procedures performed⁽³⁰⁾. Communication reveals itself as one of the main points of attention regarding the effectiveness of the companions' involvement in PS.

Therefore, although studies point out multiple factors that favor the distancing of companions during the care process, it is noted that communication goes beyond all these spheres. Communication failures are identified by both professionals and companions, and it may occur within the team, as in situations of misunderstanding between professionals, high staff turnover, bureaucracy in filling out medical records and side conversations during the shift change. The lack of scientific knowledge on the part of companions can generate dependence on providing specific information in a clear and objective way^(23,27,29,32-33). Thus, the strategies to promote the involvement of the companion are very much based on improving communication.

As a tool to qualify the communication process, especially among professionals, it is important to double check the information, including the companion. This practice of checking is recommended from dispensing the drug at the pharmacy to administering it to the patient. Double verification can be a strategy that promotes communication between professionals, being proposed to avoid greater risks of AE⁽²²⁾.

The frequent exchange of information between professionals, through systematic and judicious shift change, multidisciplinary rounds, transfer of care between sectors and regular team meetings, can also increase the safety of hospitalized patients. For this practice to be incorporated and continued in care, factors such as multidisciplinary and the aptitude of professionals can be implemented. In addition to these, it is recommended to avoid parallel conversations, interruptions in the method, as well as early entries and exits⁽²²⁾.

Another strategy refers to playful games, which are tools increasingly used to provide information in a simple way. These games, in addition to bringing professionals closer to companions, favor

distraction and relaxation, as the hospital environment is extremely stressful (24,41-42).

Health education is also a relevant plan for the training of health professionals with regard to the focus of objective communication. As a form of educational strategy, members of the multidisciplinary team suggest that training be carried out within the service, with a focus on patient safety⁽²²⁾. This strategy is not only related to the failure of communication, but also usefully covers the correct hand hygiene, proceeding properly in the use of procedure gloves and in the use of individual and collective protective equipment, which if used, when applied, incorrectly affect the PS⁽²⁵⁾. The use of computerized methodologies has also been considered as a strategy to improve communication between health professionals⁽²²⁾.

Furthermore, an environment conducive to conflict resolution is critical to promoting safer care. The companions also pointed out that clearer communication with health professionals leads to better instruction to participate in the care, preserving possible risks to the child's health⁽²²⁾.

Another study infers that the inclusion of companions in the child's general care is important, especially in the surveillance of patient safety⁽²⁶⁾. This surveillance expands the detection of errors committed by health professionals. Therefore, giving voice to companions and listening to reports can increase the quality and safety of care for hospitalized patients.

Therefore, the inclusion of correct information dissemination within the hospital environment, as well as their amplification strategies, is extremely important, since the lack of knowledge about AE, the prevention of these errors, the lack of communication and the lack of improvements in basic patient safety techniques can put the child's hospitalization at risk.

Limitations of the study

It was possible to notice in some studies included in this review the lack of detailed information regarding the characteristics of the engagement strategies used and their evaluation process by the participants. Furthermore, some databases do not use controlled descriptors, which may favor missing studies.

Contributions to the area of nursing

The results found favor discussions on the understanding of the companions' participation in the promotion of PS, in addition to contributing to the planning and implementation of strategies aimed at encouraging the involvement of these companions and, consequently, offering safer care to children and newborns.

FINAL CONSIDERATIONS

The study allowed unveiling how companions and health professionals in pediatrics and neonatology perceive their involvement in PS, the facilitating and hindering aspects and the strategies that aim for this purpose.

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