

CIENCIAMATRIA

Revista Interdisciplinaria de Humanidades, Educación, Ciencia y Tecnología

Año VIII. Vol. VIII. Nro 1. Edición Especial. 2022

Hecho el depósito de ley: pp201602FA4721

ISSN-L: 2542-3029; ISSN: 2610-802X

Universidad Nacional Experimental Francisco de Miranda (UNEFM). Santa Ana de Coro. Venezuela

Virginia Esmeralda Pincay-Pin; Mónica Patricia Mastarreno-Cedeño; Ángela Rosa Briones-Mera;
Leonela Lissett Ponce-Lino

[DOI 10.35381/cm.v8i1.628](https://doi.org/10.35381/cm.v8i1.628)

Control y el manejo del dolor en enfermería pediátrica

Control and management of pain in pediatric nursing

Virginia Esmeralda Pincay-Pin

virginia.pincay@unesum.edu.ec

Universidad Estatal del Sur de Manabí, Jipijapa
Ecuador

<https://orcid.org/0000-0001-8776-5433>

Mónica Patricia Mastarreno-Cedeño

monica.mastarreno@utm.edu.ec

Universidad Técnica de Manabí, Portoviejo
Ecuador

<https://orcid.org/0000-0003-3572-7958>

Ángela Rosa Briones-Mera

angela.briones@utm.edu.ec

Universidad Técnica de Manabí, Portoviejo
Ecuador

<https://orcid.org/0000-0002-2233-3688>

Leonela Lissett Ponce-Lino

leytopl@hotmail.com

Universidad Estatal del Sur de Manabí, Jipijapa
Ecuador

<https://orcid.org/0000-0002-0809-2929>

Recibido: 15 de septiembre 2021

Revisado: 10 de noviembre 2021

Aprobado: 15 de diciembre 2021

Publicado: 01 de enero de 2022

CIENCIAMATRIA

Revista Interdisciplinaria de Humanidades, Educación, Ciencia y Tecnología

Año VIII. Vol. VIII. Nro 1. Edición Especial. 2022

Hecho el depósito de ley: pp201602FA4721

ISSN-L: 2542-3029; ISSN: 2610-802X

Universidad Nacional Experimental Francisco de Miranda (UNEFM). Santa Ana de Coro. Venezuela

Virginia Esmeralda Pincay-Pin; Mónica Patricia Mastarreno-Cedeño; Ángela Rosa Briones-Mera;
Leonela Lissett Ponce-Lino

RESUMEN

El objetivo general de la investigación fue realizar un análisis sobre el control y el manejo del dolor en enfermería pediátrica. Se apoyó en la metodología cuantitativa, desde el paradigma positivista, en virtud de que se obtuvieron datos descriptivos desde la recolección de información con el uso del método documental-bibliográfico, analizando artículos arbitrados, tesis y documentos, lo que permitió el desarrollo del cuerpo teórico relacionado al tema de estudio. Se concluye, que el control, el manejo del dolor en enfermería pediátrica, es una acción que el personal de salud gestiona diariamente en los centros de salud con el fin de brindar una atención integral a los niños que asisten en busca de cuidados. El profesional de enfermería debe manejar las orientaciones y escalas para la certificación de dolor y así mejorar los procedimientos para disminuir los dolores en pacientes menores, de los diferentes servicios que presta el sistema de salud.

Descriptores: Enfermedad; personal médico; pediatría. (Tesauro UNESCO).

ABSTRACT

The general objective of the research was to perform an analysis on the control and management of pain in pediatric nursing. It was based on the quantitative methodology, from the positivist paradigm, by virtue of the fact that descriptive data were obtained from the collection of information with the use of the documentary-bibliographic method, analyzing refereed articles, theses and documents, which allowed the development of the theoretical body. Related to the subject of study. It is concluded that control, pain management in pediatric nursing, is an action that health personnel manage daily in health centers in order to provide comprehensive care to children who seek care. The nursing professional must manage the guidelines and scales for the certification of pain and thus improve the procedures to reduce pain in minor patients, of the different services provided by the health system.

Descriptors: Disease; medical personnel; pediatrics. (UNESCO Thesaurus).

Virginia Esmeralda Pincay-Pin; Mónica Patricia Mastarreno-Cedeño; Ángela Rosa Briones-Mera;
Leonela Lissett Ponce-Lino

INTRODUCTION

The attention that the nursing professional presents in the health dispensing centers is of the utmost importance, since they provide the necessary care for the channeling and treatment of the pain of children who suffer from some pain, in this regard Córdova Jaquez et al. (2012), state:

Nursing plays an important role in pain units as it is the bridge between the patient, family members and the rest of the health professionals. Acts as an observer and intervenes in the comprehensive control of the patient, in the education of the family, with health personnel unfamiliar with pain control, controls and monitors therapeutic readjustment and administration routes, coordinates tasks and is responsible daily care of the patient in close collaboration with the families (p.288).

In this sense, their participation in the control and management of pain in pediatric nursing is of vital importance, to guarantee optimal and timely care for the smallest patients who require special care, since many times due to their age they do not They can express what they feel or suffer. The relief of pain and suffering is considered one of the main rights of the patient, and one of the fundamental responsibilities of the professional practice of Nursing. (Rodríguez Hernández, Fajardo Villarroel and Peña Jiménez, 2016, p.402). Likewise, De los Reyes Corrales (2017) indicates that:

The experience of pain in children is an aspect that is still under study today and trying to improve its assessment, for which there are multiple and diverse scales. They allow children, regardless of their age, evolutionary development, or clinical situation, with or without the ability to verbally express the pain experienced, to be properly assessed. (p.9)

For this assessment, qualified personnel and a professional who is capable of channeling the patient's needs to calm their pain must be counted on. It is necessary for the health team to recognize that different diseases, health conditions, treatments or diagnostic procedures can trigger pain, in order to detect it and treat it in a timely manner. (Zunino et al. 2018, p.68).

Virginia Esmeralda Pincay-Pin; Mónica Patricia Mastarreno-Cedeño; Ángela Rosa Briones-Mera;
Leonela Lissett Ponce-Lino

However, Llorente Pérez (2015) states that:

Childhood pain has been, for many years, a neglected issue due to the lack of knowledge of nurses, doctors and other health professionals. Throughout history, the false idea has prevailed that a development superior to that of the child is necessary to experience and respond to pain. (p.4)

At the same time, Guerrero Márquez, et al. (2021) indicate that, on the other hand, there are several factors that are associated with ineffective pain management in pediatric emergency services (PEDs).

The main ones are:

- Related to health institutions: lack of obligation to implement their evaluation from the very arrival of the patient to the SUP, lack of protocols for their effective management, lack of records in the medical records of their evaluation and follow-up that make effective control difficult. of patients and the lack of institutional support for training professionals and raising awareness of the problem.
- Related to the dynamics of the emergency services: with peaks in patient oversaturation, often linked to staff shortages. Together, this leads to deficiencies and delays in the assessment, management, and treatment of patients' pain.
- Related to professionals: lack of training, persistence of myths and misconceptions about pediatric pain, fear of the side effects of some drugs, distrust in patients' self-assessment of pain.
- Related to the pediatric patient: developmental and communication factors in neonates and younger children, previous painful experiences, degree of anxiety, fear, and parental support and presence. (p.2)

Virginia Esmeralda Pincay-Pin; Mónica Patricia Mastarreno-Cedeño; Ángela Rosa Briones-Mera;
Leonela Lissett Ponce-Lino

Hence the importance of having a team of paramedics with special characteristics in patient care and the knowledge to guarantee a good diagnosis and pain management, therefore, the role of nurses in pain management is justified in the management of pain. humanized and person-centered care, based on adequate assessment, intervention, follow-up, prevention and pain reduction (Parra-Giordano et al., 2020, p. 89).

In this sense, Reyes Guevara (2017) ratifies what was previously stated when stating:

It should be remembered that Nursing is the health professional who spends the most time with the patient, therefore, they must be able to identify pain in those who suffer from it, make appropriate use of assessment instruments, work optimally with the multidisciplinary team, initiate actions that alleviate it and check the effectiveness of the methods used. (p.10)

Pain has a relevance at a health, social, economic and family level, it is a very common symptom that leads to consult the emergency rooms of hospitals or health centers very frequently, hence the following investigation is presented whose general objective is to carry out an analysis on the control and management of pain in pediatric nursing.

METHODOLOGY

For the development of this research, it is based on the quantitative methodology, from the positivist paradigm, since descriptive data originating from the data collection are obtained, from the documentary-bibliographic method, refereed articles, theses and documents were analyzed, which allowed developing the theoretical body of this work. In addition, the inductive-deductive method is applied, which suggests that in order to find a truth, the facts must be sought and not based on mere speculation, in addition to starting from general statements to reach specific ones (Dávila, 2006). The researchers organized an investigative process, whose study population was mainly bibliographic documents related to the control and management of pain in pediatric nursing.

Virginia Esmeralda Pincay-Pin; Mónica Patricia Mastarreno-Cedeño; Ángela Rosa Briones-Mera;
Leonela Lissett Ponce-Lino

RESULTS

After the documentary-bibliographic review, the results of said search and respective analysis related to the subject of study are presented below.

Table 1.

Approaches to the control and management of pain in pediatric nursing.

Autor (es)/año	Enfoque
Sánchez M, Pernía V, Calatrava J. (2005)	Pain is the most complex human experience and despite the importance of this symptom it is frequently undervalued, only 5% of nursing journals address the issue of pain and its treatment, it is also noted that nursing staff do not use scales for the measurement of post-operative pain, the absence of studies that reflect the degree of patient satisfaction with respect to the treatment of their pain and the little that nursing has taught us about the assessment and management of pain.
Chavarro, C., Triana, L., y García, X. (2017)	The main objective of the care staff is to support the medical team in managing symptoms, in addition to providing the family with tools that make the doctor's orders more understandable. Also, in conjunction with the social worker, it is responsible for facilitating access to other health services (examples: home care and services such as ambulance transfer). (p.85)
Ortega-López, et al., (2018)	Education in pain management is essential to give nursing staff a starting point for pain management, which is why the importance of including it in study programs and continuing education for nursing staff has been pointed out, since it does not require new strategies; but of the educational

Virginia Esmeralda Pincay-Pin; Mónica Patricia Mastarreno-Cedeño; Ángela Rosa Briones-Mera;
Leonela Lissett Ponce-Lino

	preparation, which leads the nursing staff to the use of scientific knowledge in their daily practice. (p.30)
--	---

Preparation: The authors.

According to the authors, three aspects of utmost importance can be visualized, which are described below:

- Undervaluation of pain by medical journals and the lack of use of scales to measure pain.
- Staff support providing tools to family members facilitating access to health services.
- Training in pain management through education to train health personnel.

Diagnostic and therapeutic protocols in pediatric emergencies

A fundamental aspect of pain assessment is that it be personalized and that the same scale or measurement instrument be used with each patient. This will lead to better communication between children and health professionals and therefore to a better understanding of the problem and better pain management since, in this way, the monitoring of the effectiveness of the treatment is guaranteed and/or or non-pharmacological measures that have been initiated. A simple way to achieve this is to institutionalize in each center a suitable scale for each age range and/or cognitive status and that these are well known and used by all professionals.

In cooperative patients from 3-4 years of age, whenever possible, we will let the child himself assess his pain using self-report scales. The minimum information that must be collected must contain: the location, intensity and characteristics of the pain. (Guerrero Márquez, et al., 2021)

Virginia Esmeralda Pincay-Pin; Mónica Patricia Mastarreno-Cedeño; Ángela Rosa Briones-Mera; Leonela Lissett Ponce-Lino

CONCLUSIÓN

TABLA 2. Escalas evaluación del dolor agudo recomendadas en niños según su edad

Neonatos	CRIES, COMFORT, NIPS
Niños entre 1 mes y 3 años	FLACC, CHEOPS, LLANTO
Niños entre 4 y 7 años	FACES, Wong-Baker, Oucher
Niños mayores de 7 años	Escala Analógica Visual, Escala numérica verbal
Niño con trastorno espectro	Desarrollo cognitivo adecuado o posibilidad de comunicación
Niño con disminución nivel conciencia	COMFORT y FLACC de
Niño con déficit cognitivo/ retraso psicomotor	NCCPC-R, NCCP-PV, INRS, FLACC- revisada, PPP

Consulted of: Diagnostic and Therapeutic Protocols in Pediatric Emergencies. Guerrero Marquez, et al. (2021).

The control and management of pain in pediatric nursing is an action that health personnel manage daily in health centers in order to provide comprehensive care to children who seek care, precisely nursing plays a great role, since they take care of the children and their relatives from the first moment, providing them with the first care, in addition to the orientations for the corresponding treatment. The nursing professional must manage the guidelines and scales for the certification of pain and thus improve the procedures to reduce pain in minor patients, of the different services provided by the health system.

INTEREST CONFLICT

The authors declare that they have no conflict of interest in the publication of the article.

FINANCING

Self financed.

Virginia Esmeralda Pincay-Pin; Mónica Patricia Mastarreno-Cedeño; Ángela Rosa Briones-Mera;
Leonela Lissett Ponce-Lino

GRATITUDE

To the State University of South Manabí; for supporting the development of research.

CONSULTED REFERENCES

- Córdova Jaquez, A., Ortiz Rivas, M., Salazar Enciso, H., y García Avendaño, D. (2012). Manejo del dolor por el personal de enfermería en paciente pediátrico post-quirúrgico de apendicetomía. [Pain management by nursing staff in pediatric post-surgical appendectomy patients] *Revista Cuidarte*, 3(1), 287-292. <https://doi.org/10.15649/cuidarte.v3i1.23>
- Chavarro C., Triana L., García, X. (2017) Cuidado paliativo pediátrico. [Pediatric palliative care] *Pediatr.*; 50(4):82-89. DOI: <https://doi.org/10.14295/pediatr.v50i4.89>
- Dávila Newman, G. (2006). El razonamiento inductivo y deductivo dentro del proceso investigativo en ciencias experimentales y sociales. [Inductive and deductive reasoning within the research process in experimental and social sciences]. *Laurus*, 12(Ext),180-205. Recuperado de: <https://n9.cl/nx847>
- De Los Reyes Corrales, I. (2017) Valoración del dolor en el Paciente Pediátrico Hospitalizado. Revisión Narrativa. [Assessment of pain in the Hospitalized Pediatric Patient. Narrative Review] Tesis de Pregrado. Universidad Autónoma De Madrid. Madrid. Recuperado de: <https://n9.cl/6rflv>
- Guerrero Márquez, G., Concepción Miguez, M^a., Navarro, I., Sánchez García, M., Fernández, M., Llácer, R. (2021) Protocolos Diagnósticos y Terapéuticos en Urgencias de Pediatría. Sociedad Española de Urgencias de Pediatría [Diagnostic and Therapeutic Protocols in Pediatric Emergencies. Spanish Society of Pediatric Emergencies] (SEUP), 3^a Edición, 2019. Recuperado de: <https://n9.cl/lcf93>
- Llorente Pérez, L. (2015) Manejo del dolor infantil por el profesional de enfermería. [Management of childhood pain by the nursing professional]. Tesis de Pregrado. Universidad de Valladolid. Recuperado de: <https://n9.cl/kne7v>

Virginia Esmeralda Pincay-Pin; Mónica Patricia Mastarreno-Cedeño; Ángela Rosa Briones-Mera;
Leonela Lissett Ponce-Lino

Ortega-López, R., Aguirre-González, Ma., Pérez-Vega, M., Aguilera-Pérez, P., Sánchez-Castellanos, MD., y Arteaga-Torres, J. (2018). Intervención educativa para el manejo del dolor en personal de enfermería. [Educational intervention for pain management in nursing staff] *CienciaUAT*, 12(2), 29-39. Recuperado de: <https://n9.cl/jdu92>

Parra-Giordano, D., Cuadro Maturana, V, Nies Moraga, R., Pavez Castro, C., Romero Torres, M., y Seoane Cabezas, C. (2020). Percepción de las enfermeras frente al manejo del dolor en niños en un Servicio Oncológico Hospitalario en Chile. [Nurses' perception of pain management in children in a Hospital Cancer Service in Chile]. *Enfermería: Cuidados Humanizados*, 9(2), 85-99. <https://doi.org/10.22235/ech.v9i2.2094>

Reyes Guevara, P. (2017) Revisión crítica: Evaluación y manejo del dolor en el servicio de emergencia por parte del profesional de enfermería. [Critical Review: Nursing Professional's Assessment and Management of Pain in the Emergency Department]. Tesis de Especialidad. Universidad Católica Santo Toribio de Mogrovejo. Perú. Recuperado de: <https://n9.cl/wjv43>

Rodríguez Hernández, I., Fajardo Villarroel, A., y Peña Jiménez, M. (2016) Rol del enfermero en las etapas de evaluación, valoración e intervención del dolor en niños. [Role of the nurse in the evaluation, assessment and intervention of the pain in children]. *Revista Habanera de Ciencias Médicas*; 15(3):399-407. Recuperado de: <http://scielo.sld.cu>

Sánchez-Sánchez, R. M., Pernía, J. V., y Calatrava, J. (2005). Tratamiento del dolor en los estudios de enfermería. [Pain management in nursing studies] *Revista de la Sociedad Española del Dolor*, 12(2), 81-85. Recuperado de: <https://n9.cl/jkbtw>

Zunino C.a, Notejane M.b , Bernadá M.c , Rodríguez L.d , Vanoli N.d , Rojas M.d , Benech L.d , Mimbacas I.d (2018) Dolor en niños y adolescentes hospitalizados en un centro de referencia. Pain in children and adolescents hospitalized in a referral center] *Rev Chil Pediatr*. 89(1):67-73. DOI: [10.4067/S0370-41062018000100067](https://doi.org/10.4067/S0370-41062018000100067)

CIENCIAMATRIA

Revista Interdisciplinaria de Humanidades, Educación, Ciencia y Tecnología

Año VIII. Vol. VIII. Nro 1. Edición Especial. 2022

Hecho el depósito de ley: pp201602FA4721

ISSN-L: 2542-3029; ISSN: 2610-802X

Universidad Nacional Experimental Francisco de Miranda (UNEFM). Santa Ana de Coro. Venezuela

Virginia Esmeralda Pincay-Pin; Mónica Patricia Mastarreno-Cedeño; Ángela Rosa Briones-Mera;
Leonela Lissett Ponce-Lino

©2021 por los autores. Este artículo es de acceso abierto y distribuido según los términos y condiciones de la licencia Creative Commons Atribución-NoComercial-CompartirIgual 4.0 Internacional (CC BY-NC-SA 4.0) (<https://creativecommons.org/licenses/by-nc-sa/4.0/>).