Nursing Delirium Screening Scale, a Tool for Early Detection of Delirium: Integrative Review

ABSTRACT

Objective: To analyze the context and use of the Nursing Delirium Screening Scale (Nu-DESC) for early detection of delirium in adult patients, compiling the available evidence. Method: Searching for relevant articles on databases such as Cinahl, Medline, Ovid, Scopus, and Web of Science. Inclusion criteria: Articles written in English, Spanish, and Portuguese, published between January 2013 and October 2019. Search terms: “nursing delirium screen,” “inpatient delirium screening,” and “nursing assessment.” We identified 23 articles in which the Nu-DESC was used. Two reviewers independently assessed the articles using the CASPe (Critical Appraisal Skills Program in Spanish) tool. Results: The Nu-DESC is employed in different contexts such as the adult intensive care unit (ICU), post-anesthetic care unit (PACU), palliative care unit, and hospitalization unit. It is more frequently used in the PACU with a more sensitive threshold (≥ 1); the test showed greater sensitivity of 54.5% (95% CI: 32.2–75.6) and specificity of 97.1% (95% CI: 95.3–98.4). Conclusion: The Nu-DESC facilitates the recognition of delirium episodes by the nursing team, makes care quicker and individualized for each patient, avoiding immediate pharmaceutical interventions, and coordinate interdisciplinary actions for diagnosis, especially in post-anesthetic care units.

KEYWORDS (Source: DeCS)

Delirium; Nu-DESC; screening; nursing; assessment; critical care; hospitalization; perioperative period.

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Resumen

Objetivo: compilar la evidencia disponible con el fin de analizar el contexto y uso de la escala de detección del delirium para enfermería (Nu-DESC, por sus siglas en inglés) en la detección temprana del delirium en pacientes adultos. Método: búsqueda de artículos relevantes en bases de datos como Cinahl, Medline, Ovid, Scopus, Web of Science. Criterios de inclusión: artículos escritos en idioma inglés, español y portugués; publicaciones entre enero del 2013 y octubre del 2019. Los términos de búsqueda fueron: “nursing delirium screen”, “inpatient delirium screening” y “nursing assessment”. Se identificaron 23 artículos en los que se utilizó el instrumento Nu-DESC en diferentes contextos. Dos revisores de manera independiente realizaron la evaluación de los artículos utilizando la herramienta CASPe. Resultados: el uso de la Nu-DESC se presentó en diferentes contextos, tales como la unidad de cuidado intensivo adulto, la unidad de cuidado posanestésico, la unidad de cuidado paliativo y la unidad de hospitalización. En la unidad de cuidado posanestésico su uso es frecuente con un umbral más sensible en ≥ 1; la prueba mostró una mayor sensibilidad del 54,5 % (IC del 95 %: 32,2-75,6) y una especificidad del 97,1 % (IC del 95 %: 95,3-98,4). Conclusión: la Nu-DESC les permite a los enfermeros entrenados realizar el reconocimiento del evento de manera rápida y oportuna, individualizar el cuidado, lo que evita realizar intervenciones farmacológicas de manera inmediata, y coordinar acciones interdisciplinarias para el diagnóstico, en especial en unidades de cuidado postanestésico.

Palabras clave (Fuente: DeCS)

Delirium; Nu-DESC; cribado; enfermería; evaluación; cuidado intensivo; hospitalización; periodo perioperatorio.
**RESUMO**

**Objetivo:** compilar a evidência disponível a fim de analisar o contexto e o uso da escala de detecção do delírio para enfermagem (Nu-Desc, por sua sigla em inglês) na detecção precoce do delírio em pacientes idosos. **Método:** busca de artigos relevantes em bases de dados como Cinahl, Medline, Ovid, Scopus, Web of Science. Critérios de inclusão: artigos em inglês, espanhol e português; publicações realizadas entre janeiro de 2013 e outubro de 2019. Os termos de busca foram: “nursing delirium screen”, “inpatient delirium screening” e “nursing assessment”. Foram identificados 23 artigos, nos quais foi utilizado o instrumento Nu-Desc em diferentes contextos. Dois revisores, de maneira independente, realizaram a avaliação dos artigos com o emprego da ferramenta Caspe. **Resultados:** a Nu-Desc foi utilizada em diferentes contextos, como a unidade de terapia intensiva de adultos, a unidade de recuperação pós-anestésica, a unidade de cuidado paliativo e a unidade de internação. Na de recuperação pós-anestésica, seu uso é frequente com uma faixa mais sensível em ≥ 1; o teste mostrou maior sensibilidade de 54,5% (IC de 95%: 32,2-75,6) e especificidade de 97,1% (IC de 95%: 95,3-98,4). **Conclusões:** a Nu-Desc permite aos enfermeiros capacitados realizar o reconhecimento do evento de maneira rápida e oportuna, individualizar o cuidado, o que evita intervenções farmacológicas imediatas, e coordenar ações interdisciplinares para o diagnóstico, em especial em unidades de recuperação pós-anestésica.

**PALAVRAS-CHAVE** (Fonte: DeCS)

Delirium; delírio; Nu-DESC; peneiramento; enfermagem; avaliação.
Introduction

Delirium is a disruption of consciousness characterized by inattention and cognitive/perception alterations developed in a short period (hours or days) and fluctuating over time (1). Within the perceptual-cognitive sphere, it is vital to recognize delirium in time, avoiding short- and long-term side effects. Therefore, monitoring is essential for its prompt identification and treatment (2).

Approximately 60–80% of all patients in intensive care units (ICU) develop this disorder. They may suffer other complications due to a lack of recognition, assessment, and treatment, hence the essential role nurses play in its identification and assessment for being by the patient’s bedside. Early delirium detection facilitates treatment, minimizing its duration and possible side effects. In many hospitals, delirium detection is a standard procedure, but 72% of cases are not detected or are misdiagnosed. Some possible reasons for this are little time, knowledge of this condition, and unavailability of feasible and reliable instruments for diagnosis.

The Nursing Delirium Screening Scale (Nu-DESC) was developed and validated in a palliative care unit (3) for early detection of delirium; it consists of five items or categories. Its administration takes about two minutes and is accessible for clinical practice. It has been validated in different languages such as Danish (4), Turkish (5), Czech (6), and Korean (7), and used in different clinical practice scenarios: palliative care patients (8, 9), cardiac surgery (10, 11), liver transplantation (12), orthopedic surgery (13), urological surgery (14, 15), scheduled post-operative patients (16–19), post-anesthesia with medicines such as ketamine (20), hospitalization (21), geriatrics hospitalization (22), oncologic hospitalization (23), and ICUs (24–26). The results of these studies report an average sensitivity of 96% and specificity of 81% using this scale.

The nurse must be able to carry out a complete and exhaustive evaluation to achieve an adequate clinical judgment; from the evidence-based practice, the nurse must help in the assessment using validated tools to measure and compare the patient’s clinical evolution per shift. Delirium assessment tools include the Confusion Assessment Method for the ICU (CAM-ICU), the Intensive Care Delirium Screening Checklist (ICDSC), and the Nu-DESC, the latter being the most used by nurses. This article presents an analysis of the use of Nu-DESC, particularly in the ICU and post-operative care unit, to provide elements for the timely assessment of delirium by nurses.

Method

We conducted an integrative review applying the stages proposed by Ganong (27): identifying the topic and selecting the hypothesis or research question, establishing criteria for inclusion and exclusion of studies, sampling or searching in the literature, categorization of studies, interpreting and synthesizing the results. For this, the PICO (Problem, Intervention, Comparison, and Outcomes) strategy was used (14). The question that guided the intervention was, “What is the context of the application of the Nu-DESC for delirium detection?”

We searched for articles on online databases such as Cinahl, Medline, Ovid, Scopus, and Web of Science. The inclusion criteria were articles in English, Spanish, Portuguese, French, German, and Korean published between January 2013 and October 2019. The search terms were “nursing and delirium screen,” “inpatient and delirium screening,” and “hospitalized patients” (Figure 1).

Figure 1. Diagram of the process of searching for and selecting articles

Source: Own elaboration based on (56).
Two independent researchers first assessed all articles based on the title and abstract. If more information was needed, per the inclusion criteria, they read the whole article. To categorize the articles, two reviewers evaluated the studies included in the integrative review with the Critical Appraisal Skills Program templates in Spanish (CASPe) and then interpreted the results. Finally, the articles that met the inclusion and exclusion criteria (shown in Figure 2) were selected. The CASPe instrument was used for analysis and critical reading of the articles, which is fully available on the CASPe website (http://redcaspe.org).

We developed an instrument to collect data from the articles with information such as year of publication, authors, aim, country, database, type of research, sampling details, intervention, results, and recommendations/conclusions. Then, they were categorized by topic, according to the interpretation of the outcomes and contributions to this review (Table 1).

**Results**

The Nu-DESC is an observational detection instrument composed of five items (orientation, behavior, communication, illusions/hallucinations, and psychomotor retardation). It has a sensitivity of 32–96% and specificity of 69–92% (28). After the integrative review, the categories obtained are utility of the Nu-DESC in the hospitalization unit, PACU, ICU, and palliative care unit.

![Figure 2. Steps of the search methods and outcomes](image-url)
Table 1. Summary of selected articles

<table>
<thead>
<tr>
<th>Ref</th>
<th>Objective</th>
<th>Analysis of Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>29</td>
<td>To compare the validity of the Nu-DESC and Short-CAM in general medical units and explore the impact of delirium education on the successful implementation of delirium screening tools</td>
<td>The Nu-DESC proved to be an easy-to-use tool for hospitalization services.</td>
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<td>30</td>
<td>To compare phenotypes of diurnal fluctuation among different delirium subtypes using a prospective design</td>
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<td>31</td>
<td>To validate the Nu-DESC under certain circumstances in hospitalized patients</td>
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<td>32</td>
<td>To validate the Nu-DESC in a German emergency department (ED)</td>
<td>The Nu-DESC showed good specificity but moderate sensitivity when performed by nurses during their daily work in a German hospital.</td>
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<tr>
<td>33</td>
<td>To translate the Nu-DESC and evaluate its performance in Italian settings</td>
<td>The Nu-DESC can be used in research and clinical practice in Italian settings because of its outstanding performance, similar to previous validation studies.</td>
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<tr>
<td>34</td>
<td>To validate the Portuguese version of the Nu-DESC for use in critical care settings</td>
<td>The Nu-DESC showed in its Portuguese version good sensitivity and specificity for clinical use.</td>
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<td>35</td>
<td>To validate the Swedish version of the Nu-DESC as a screening tool</td>
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<td>36</td>
<td>To evaluate the frequency, determining factors, and outcome of inadequate delirium emergence after elective surgery in the PACU</td>
<td>The Nu-DESC was used to diagnose post-operative delirium.</td>
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<td>37</td>
<td>To determine the incidence of emerging delirium in adult patients who had anesthesia with sevoflurane as the volatile agent and the potential risk factors associated with its occurrence</td>
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<td>38</td>
<td>To evaluate the performance of the 4AT in the PACU in a tertiary German medical center</td>
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<td>39</td>
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<td>The Nu-DESC was used for diagnosing delirium in the elderly after anesthesia.</td>
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<td>40</td>
<td>To evaluate delirium screening tools in post-operative settings</td>
<td>While highly specific, neither the CAM-ICU nor the Nu-DESC (threshold ≥ 2) is adequately sensitive to identify delirium post-operatively; the Nu-DESC (threshold ≥ 1) increases sensitivity but reduces specificity.</td>
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<td>41</td>
<td>To assess the agreement between the CAM-ICU and the Nursing Delirium Screening Scale (NDSS) in the post-operative period of cardiac surgery</td>
<td>There was an agreement between the CAM-ICU and NDSS in the post-operative period of cardiac surgery.</td>
</tr>
<tr>
<td>Ref</td>
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<td>Analysis of Results</td>
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<td>42</td>
<td>To compare three tools in assessing patients upon admission to the recovery room in order to detect early signs of post-operative brain dysfunction</td>
<td>The Nu-DESC detected delirium in the first seven post-operative days.</td>
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<td>43</td>
<td>To test psychometrically the Finnish versions of the Neecham Confusion Scale (NEECHAM) and the Nu-DESC in surgical nursing care</td>
<td>The Nu-DESC was used to diagnose delirium in a surgical unit.</td>
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<td>44</td>
<td>To evaluate patients’ pupils and the Glasgow Coma Scale (GCS)</td>
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<td>45</td>
<td>To detect the presence of delirium using the Nu-DESC</td>
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<td>46</td>
<td>To evaluate the relationship between alcohol abuse and the development of POD</td>
<td>The Portuguese Nu-DESC in post-operative patients with previous alcohol consumption test showed ≥ 2 in any of the observations.</td>
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<td>47</td>
<td>To analyze POD in clinical practice after cardiac surgery, how it is detected and documented, and whether the use of a screening scale improves the detection rate</td>
<td>The recognition of delirium improved when Nu-DESC was used for systematic screening after cardiac surgery.</td>
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<td>48</td>
<td>To determine the frequency and severity of symptom distress and delirium</td>
<td>The Nu-DESC is not a reliable tool for screening delirium when a caregiver conducts the scoring.</td>
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<td>49</td>
<td>To explore nurse perceptions of the feasibility of integrating the Nu-DESC into practice within the inpatient palliative care setting</td>
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<tr>
<td>50</td>
<td>To test the feasibility and acceptability of the delirium measurement methodology</td>
<td>The Nu-DESC and physician application of DSM-5 proved to be feasible and acceptable in palliative care.</td>
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</table>

**Nu-DESC and its use in Hospitalization**

Nu-DESC validation studies in multipurpose hospitalization units, where the incidence of delirium varies between 14.9–18.2% and the mixed and hyperactive type prevails, demonstrate a moderate detection capacity with a sensitivity of 42–77.1% and specificity between 76–98% when the threshold is > 2, compared to short-CAM whose sensitivity is 8.6–11.1% and specificity is 100%. Also, it has optimal operational feasibility as it can be completed in approximately 2 minutes, which promotes the adherence of nursing professionals (approximately 90%) to its use in the healthcare practice (29).

This measurement tool also responds to the characteristics of this pathology, such as fluctuation or severity of symptoms per type of presentation. This result is consistent with DSM-V criteria, as Kim et al. point out (30), identifying significant variations of symptoms in 244 hospitalized psychiatric patients when Nu-DESC scores showed that severe symptoms increased during the afternoon or at night. Patients with hyperactive and mixed type of delirium had higher scores in the disorientation, inappropriate behavior, and inappropriate communication items than patients with unspecified or hypoactive delirium. The difference between these types is a higher average score in psychomotor retardation and more significant fluctuations during the afternoon, while at night, the symptoms of hyperactive type intensified. Patients who
had the hypoactive type had the highest average score in the psychomotor retardation item that differs from the unspecified type, whose fluctuations occur mostly during the day (30).

Concerning low diagnostic sensitivity, associated with the limited capacity to detect hypoactive delirium, a study was conducted in three hospitalization units with a sample of 405 patients (103 participants were admitted to neurology, 84 to general medicine, 82 to general surgery or orthopedics, and 136 to neurosurgery), 185 of which had delirium (11\% hypoactive type). It showed no statistical differences between the groups regarding age, sex, hospitalization unit, language, and post-operative state. This result indicates increased sensitivity ranging from 42\% to 67\% when the threshold is > 1; however, specificity decreased from 98\% to 93\% (31).

Another exploratory analysis was conducted within a study of 315 patients admitted to an emergency unit for at least 12 hours, where the incidence of delirium was 14.9\%, with a predominance of the hypoactive type (46.8\%). It showed that the evaluation of item 1 (disorientation) combined with two elements of the Mini-Mental State Examination (MMSE) indicates that asking the patient the day of the week and name of the unit where he or she is located increases sensitivity from 66\% to 77.8\%. This finding contrasts with the results obtained in the same study, where the disorientation item was not identified in 14 of 16 false positives cases (32). Although questions arise about the ability of Nu-DESC to detect all forms of delirium, it is necessary to add the capacity to discriminate between delirium and differential diagnosis; Spendale et al. demonstrated it in a study of 101 patients hospitalized in different units where 79\% of positive cases had a history of cognitive impairment (33).

**Nu-DESC and its use in the ICU**

Studies conducted in post-operative patients admitted to the ICU, where hypoactive type delirium predominates, show that Nu-DESC is a practical tool for delirium detection and has a sensitivity of 65.5–100\% and specificity of 81.3–86\%. When considering the type of surgical intervention, a trend towards overestimating the incidence of Post-operative Delirium (POD) in patients undergoing non-cardiac or intracranial interventions was identified because of the number of false positives (n = 9) and positive predictive value (57\%). Abelha et al. (34) reported this in a study of 78 patients admitted to the ICU, where Nu-DESC performance was compared with the ICDSC as a gold standard.

When applying the Nu-DESC on days 1 to 4 of the post-operative period in patients undergoing scheduled cardiac surgery, the detection capacity decreases considerably from 65.6\% (day 1) to 46.9\% (day 4) when the threshold is > 2. These results are associated with underestimation of hypoactive delirium that, due to its signs, unlike the hyperactive type, does not demand attention. However, it requires more monitoring for identification, accounting for the difference in diagnostic sensitivity between days 1 and 4 because on day one, the scale was applied in the ICU where the nurse-patient relationship was closer than in the general room, where it was applied on day 4.

Although changing care units implies diminution in suggestive sign detection (because of the fluctuating characteristics of delirium and the nurse/patient ratio), a change in the cognitive performance of patients is observed as the number of cases of delirium decreases on day 4 (n = 49), mostly with the hypoactive type (n = 28); the Nu-DESC detected just 50\% (n = 14) of those cases. Therefore, the evidence does not support that Nu-DESC detects the symptoms of hypoactive delirium optimally since there is a tendency to recognize the hyperactive type (35) mostly.

**Nu-DESC and its use in the PACU**

In adding all the articles reviewed in this area, approximately 1,500 patients were assessed for POD at different times: before surgery (where the Nu-DESC and MMSE were used to assess the pre-operative cognitive function (36)), ten minutes after extubation to verify ongoing delirium (37), upon admission to the PACU, upon discharge from the unit (36, 38), or up to 14 days after surgery (39). Previously, it was necessary to train the nursing staff in topics like delirium and application of the Nu-DESC (36). During the assessments, it was demonstrated that the execution time of the Nu-DESC does not take more than two minutes (40).

When making a detailed comparison with the CAM-ICU, it was found that its discriminatory characteristics are not better than this standard diagnostic criterion; therefore, it should not be replaced, despite low staff adherence due to difficulties in its application. However, the Nu-DESC showed a moderate agreement, according to the kappa coefficient (0.514) (41). At the same time, the results obtained by the Nu-DESC were compared or complemented with other scales such as the Richmond Agitation and Sedation Scale (RASS), the Post-Anesthetic Recovery Score (PARS), the Neelon and Champagne Confusion Scale (NEECHAM), the Ca-
nadian Neurological Scale (CNS), the Bispectral Index (BIS), the Glasgow Coma Scale, (GCS) and the Ramsey Scale, showing high reliability in the Nu-DESC to detect POD (42–44).

POD was evaluated by the Nu-DESC in patients between 16 (45) and over 80 years old, finding that the most affected patients were older adults (≥ 65), especially those over 80 (39) who had ASA 3 or 4 in the pre-surgical period, while younger patients (with ASA 1 or 2) developed delirium in a smaller amount. Age influenced the incidence of delirium, which was between 4.3% (45) and 12.3% (39) in post-operative patients, who also had a more extended stay in the PACU (24% vs. 10%) and hospitalization unit (7 vs. 4 days) compared to those who did not develop POD (46). Studies also showed that the Nu-DESC is highly effective in detecting hyperactive and mixed types, and moderately effective in the hypoactive type (47), with higher scores for disorientation and psychomotor retardation (43).

Regarding discriminatory capacities, a sensitivity between 69–96% and specificity between 82–100% were reported (40). Neufeld et al. (40) and Saller et al. (38) found that the > 1 threshold is more sensitive for the Nu-DESC (69% vs. 32%) and 54.5% (vs. 27%), respectively. However, significant changes that affect specificity by decreasing it from 92% to 80% are also described (40).

One of the recommendations given by Smulter et al. (47) is to have better reports in clinical records about clinical findings in the PACU because, of all the patients who develop delirium in this unit, only 23% are diagnosed and 1% correctly identified and registered. The Nu-DESC also showed improvement in the recognition rate and allowed clinical staff to better record the findings (46).

**Nu-DESC and its use in the palliative care unit**

Despite the incidence and prevalence of delirium, particularly the hypoactive type, it is poorly recognized in patients who require palliative care or specialized care due to malignant tumor diagnosis. Clinical condition factors and patient’s comorbidities, such as fatigue or depression, may make it challenging to recognize cognitive changes associated with delirium (48).

While multiple detection methods have been developed and validated, such as the Cognitive Rating Scale (CRS), Memorial Delirium Assessment Scale (MDAS), Confusion Assessment Method (CAM), and Delirium Rating Scale-Revised-98 (DRS-R-98), these instruments are very complex to be applied or do not have adequate discriminatory power compared with the Nu-DESC. Although recent studies reported a lower discriminatory power when the threshold is > 2 (63%) (48), the original study indicates that the Nu-DESC has greater sensitivity (85.7%) when the threshold is > 1. This result corroborates what was mentioned in the categories above and should be considered in subsequent studies (3).

Regarding the ability to detect hypoactive delirium (which is also related to our findings and the most underdiagnosed type), questions are raised about measuring the psychomotor delay, which can be linked or not as a symptom of delirium detected by health care personnel or caregivers. Many patients receive pharmacological treatment for symptom management, casting doubts about its application time, changing the outcome of the Nu-DESC (49), and increasing the number of false positives or false negatives as reported by Gaudreau et al. (3) (who associated severe analgesia as a factor that makes it difficult to establish a correct diagnosis). Besides, the findings of Hosie et al. (50) indicate an overestimation of the incidence of delirium by the Nu-DESC since only 19% of the evaluations were carried out on patients in the “stable” or “deteriorating” palliative care phases and terminal phase, following the DSM-V criteria.

**Discussion**

The use of Nu-DESC in different contexts such as the hospitalization unit, PACU, ICU, and palliative care unit facilitated the early diagnosis of delirium due to its easy application, considering that many of the studies were descriptive or comparative with other diagnostic scales.

The Nu-DESC, CAM-ICU, and DSM tools were the most used by nurses for detecting delirium in critical care units, post-operative units, especially older adults (51, 52). However, because of the lack of education in delirium recognition, nurses are not prepared to identify delirium in the unit. From their speeches, a strong relationship was observed with the lack of training, updating, and recycling on the subject to substantiate this conduct (53).

The role that nursing plays in the timely diagnosis of delirium through validated scales becomes increasingly valuable, knowing that delirium is a predictor of death in the patient, and the use of these tools allows for its timely recognition (54).
The Nu-DESC is recognized for its easy application; it can be administered several times during the shift since the high workload and complexity of other scales are barriers to the timely diagnosis of delirium by nursing staff (55).

**Conclusions**

This review provides nurses with information and tools to assess delirium, especially in the ICU and PACU, at the time of discharge from the unit. Compared with other scales and individually, the Nu-DESC showed high sensitivity and specificity and is the most usable option for POD assessment, especially in the hyperactive and mixed subtypes. However, it does not replace CAM-ICU as a gold standard in delirium diagnosis.

In hospitalization units where education about delirium was given, we note that Nu-DESC is better at evaluating and helping to recognize and diagnose delirium than other scales, as contrasted with CAM-ICU, showing greater sensitivity and negative predictive value but lower specificity. We found no distinction of age or gender for a greater tendency to develop delirium. Nevertheless, a clinical history of a neurological or psychiatric disease does increase the prevalence of delirium.

The most recurrent subtype of delirium in hospitalized patients was the hyperactive one, backed by the identification of a high percentage of these cases by the Nu-DESC. Nevertheless, it is not very sensitive or specific to identify the development of the hypoactive subtype.

It is not possible to conclude that there is some relationship between taking one or more medications with the development of delirium during hospitalization.

We found that when the hyperactive or mixed subtypes were present, higher Nu-DESC scores were obtained.

We recommend evaluating the first item of the scale (disorientation) by asking the patient the current day of the week and the name of the unit where he/she is as it increases the sensitivity.

The implementation of the Nu-DESC in care, research, education, cancer prevention, and palliative care units demonstrates that it is a delirium detection tool with moderate discriminatory power and optimal operational feasibility (two minutes) compared to MDAS or CAM that are highly efficient in diagnosing. Nonetheless, it is more complex and presents difficulties when applied in patients with a fluctuating intensity of associated symptoms such as pain, fatigue, and nausea, among others, or impaired and terminal patients.

Therefore, Nu-DESC allows the trained nurse to recognize the event and individualize care, avoiding immediate pharmacological interventions, and coordinate interdisciplinary actions for delirium diagnosis and management involving family as the principal active caregiver.

**Limitations**

Articles in languages different from Spanish, English, or Portuguese were not included, neither the category of delirium in oncology patients.

**Implications for practice**

The literature reports the importance of early and routine detection of delirium in clinical practice. So, nurses need to know easy-to-use tools like the Nu-DESC scale, which is applicable in different hospital areas, to create a culture of prevention, detection, and management of delirium.

**Conflict of interest:** None declared.
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