

Title: Assessment of reasoning diagnostic of nursing students in clinical simulation: the DTI contribution

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The aim of this study was to verify the difference in the diagnostic reasoning between sophomore and senior year undergraduate students in a clinical simulation, evaluated by the Diagnostic Thinking Inventory (DTI). Nursing students participated individually in a high-fidelity clinical simulation (scenario + debriefing); the purpose was to evaluate the patient with sickle-cell disease, to diagnose an acute pain and to make appropriate interventions. The design and implementation of scenario was elaborate based in NLN/ Jeffries Simulation Theory[1] . After simulation, they responded to DTI[2] , validated for Brazilian culture with nursing students[3] . It is a Semantic Differential Scale (6 points, score 41-246 points) that evaluates the flexibility in thinking (21 items) and evidence structure knowledge in memory (20 items) that in this sample presented Alfa Cronbrach 0.82. The scores were compared (total and two domains) of two groups of students. Participants were 41 students, 90% female, mean age 23.8 years; 56% intermediate level. The average of the total DTI scores did not differ between groups (by T student Test; p= 0,334). There was no difference between the mean responses for domain flexibility in thinking (by T student Test; p= 0,125) and structure knowledge in memory domain (by U Mann Whitney Test; p= 0,765). The groups demonstrate similar performance considering the total and domains scores of DTI. Although the findings may reflect the performance of groups of students, given the sample size, are needed similar studies for new data to be integrated into these.

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Biography
Emilia Campos de Carvalho, RN, PhD is Senior Professor of University of São Paulo– Brazil. She maintains involvement in Brazilian Nursing Association, NANDA-I and Sigma Theta Tau International- Rho Upsilon Chapther and is the advisor of students of the doctoral, masters and undergraduate courses in nursing. Has many clinical researches published in journals.

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