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Analysis of current status and influencing factors of NRS in patients after orthopedic surgery

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Objective: To investigate the patients after orthopedic surgery about the current status of pain assessment in nurses using the Numeric Rating Scales (NRS) and to analyze the related influence factors.

Methods: Questionnaire survey was conducted to investigate the patients who underwent orthopedic surgery in a top three hospital in Chengdu, when they left the hospital from 2017.12 to 2018.4. The survey included general patient information and a questionnaire on the status of pain assessment with nurses using NRS.

Results: In the survey, the scores of these two items, whether the nurses rehearsed the pain and whether the scores were interpreted, were the lowest. they were 1.38 ± 1.199 and 1.61 ± 1.176 respectively. The results of whether the patients concealed their pain level and whether they expressed their pain in time were higher, 2.63 ± 0.643 , 2.49 ± 0.876 respectively. Univariate analysis found that the interval between pain assessments was the main influencing factor of patients with acute pain ($P < 0.05$).

Conclusion: Nurses should correctly grasp the interval between pain assessments, correctly use NRS assessment method, and strengthen pain management for postoperative patients to promote the recovery of patients as soon as possible.

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