**Online Resource 1**

**TITLE**: Intranasal dexmedetomidine for pain management in older patients: a cross-over, randomized, double blinded, active-controlled trial

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**Online Resource 1.** ECPA, detailed observations of the patient during caregiver intervention.

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|  **Observation**  |  | **SC opioid** (n=21) | **IN dexmedetomidine** (n=21) |
|  | **Anxious anticipation of caregiver intervention** |
| Does not show any anxiety | n (%) | 13 (61.9%) | 11 (52.4%) |
| Looks distressed, appears to be afraid | n (%) | 6 (28.6%) | 5 (23.8%) |
| Restless | n (%) | 1 (4.8%) | 2 (9.5%) |
| Aggressive | n (%) | 0 (0.0%) | 0 (0.0%) |
| Shouts, sighs, groans  | n (%) | 1 (4.8%) | 3 (14.3%) |
|  | **Reactions of the patient during caregiver intervention (during mobilization)** |
| Lets the caregiver move him or moves himself without showing any particular attention  | n (%) | 7 (33.3%) | 8 (38.1%) |
| Has a watchful expression and seems to fear both mobilization and caregiver intervention  | n (%) | 8 (38.1%) | 6 (28.6%) |
| Holds back or guides the hands of the caregiver when being moved or during caregiver intervention | n (%) | 3 (14.3%) | 4 (19.0%) |
| Adopts a comfortable position when being moved or during caregiver intervention  | n (%) | 3 (14.3%) | 2 (9.5%) |
| Shows resistance to mobilization or when the caregiver intervenes | n (%) | 0 (0.0%) | 1 (4.8%) |
|  | **Reactions of the patient when** **painful parts of the body nursed** |
| No reaction when the caregiver intervenes | n (%) | 3 (14.3%) |  2 (9.5%) |
| Reacts only when the caregiver intervenes | n (%) | 7 (33.3%) |  10 (47.6%) |
| Reacts when painful parts of the body are just touched  | n (%) | 7 (33.3%) |  7 (33.3%) |
| Reacts when painful parts of the body are just lightly touched | n (%) | 2 (9.5%) | 1 (4.8%) |
| Approaching painful areas of the body is impossible  | n (%) | 2 (9.5%) | 1 (4.8%) |
|  | **Complaints voiced by the patient during** **caregiver intervention** |
| Does not complain | n (%) | 8 (38.1%) | 8 (38.1%) |
| Complains if the caregiver talks to him | n (%) | 12 (57.1%) | 9 (42.9%) |
| Complains as soon as the caregiver is present | n (%) | 0 (0.0%) | 2 (9.5%) |
| Moans or cries silently and spontaneously | n (%) | 0 (0.0%) | 1 (4.8%) |
| Shouts or complains violently and spontaneously | n (%) | 1 (4.8%) | 1 (4.8%) |