

**Pediatric Nurses' Knowledge and Attitudes Survey Regarding Pain in Burns,
Orthopedics and Spinal Cord Injuries**
(PNKAS - Shriners revision 2002)

True/False - Circle the correct answer.

- T F 1. Observable changes in vital signs must be relied upon to verify a child's/ adolescent's statement that he has severe pain.
- T F 2. Because of an underdeveloped neurological system, children under 2 years of age have decreased pain sensitivity and limited memory of painful experiences.
- T F 3. If the infant/ child/ adolescent can be distracted from his pain this usually means that he is not experiencing a high level of pain.
- T F 4. Infants/ children/ adolescents may sleep in spite of severe pain.
- T F 5. Comparable stimuli in different people produce the same intensity of pain.
- T F 6. Ibuprofen and other non-steroidal anti-inflammatory agents are NOT effective analgesics for bone pain.
- T F 7. Non-drug interventions (e.g. heat, music, imagery, etc.) are very effective for mild-moderate pain control but are not helpful for more severe pain.
- T F 8. Children who will require repeated painful procedures (i.e. daily wound care or blood draws), should receive maximum treatment for the pain and anxiety of the first procedure to minimize the development of anticipatory anxiety before subsequent procedures.
- T F 9. Respiratory depression rarely occurs in children/ adolescents who have been receiving opioids over a period of months.
- T F 10. Acetaminophen 650 mg PO is approximately equal in analgesic effect to codeine 32 mg PO.
- T F 11. The World Health Organization (WHO) pain ladder suggests using single analgesic agents rather than combining classes of drugs (e.g. combining an opioid with a non-steroidal agent).
- T F 12. The usual duration of analgesia of Morphine IV is 4-5 hours.

**Pediatric Nurses' Knowledge and Attitudes Survey Regarding Pain in Burns,
Orthopedics and Spinal Cord Injuries**
(PNKAS - Shriners revision 2002)

- T F 13. Research shows that promethazine (Phenergan) is a reliable potentiator of opioid analgesics.
- T F 14. Parents should not be present during painful procedures.
- T F 15. Adolescents with a history of substance abuse should not be given opioids for pain because they are at high risk for repeated addiction.
- T F 16. Beyond a certain dosage of morphine increases in dosage will NOT provide increased pain relief.
- T F 17. Young infants, less than 6 months of age, cannot tolerate opioids for pain relief.
- T F 18. The child/ adolescent with pain should be encouraged to endure as much pain as possible before resorting to a pain relief measure.
- T F 19. Children less than 8 years cannot reliably report pain intensity and therefore, the nurse should rely on the parents' assessment of the child's pain intensity.
- T F 20. Based on one's religious beliefs a child/ adolescent may think that pain and suffering is necessary.
- T F 21. Anxiolytics, sedatives, and barbiturates are appropriate medications for the relief of pain during painful procedures.
- T F 22. After the initial recommended dose of opioid analgesic, subsequent doses should be adjusted in accordance with the individual patient's response.
- T F 23. The child/ adolescent should be advised to use non-drug techniques alone rather than concurrently with pain medications.
- T F 24. Giving children/ adolescents sterile water by injection (placebo) is often a useful test to determine if the pain is real.

Pediatric Nurses' Knowledge and Attitudes Survey Regarding Pain in Burns,
Orthopedics and Spinal Cord Injuries
(PNKAS - Shriners revision 2002)

Multiple Choice - Place a check by the correct answer.

25. The recommended route of administration of opioid analgesics to children with background (continuous, persistent) pain is
- a. intravenous
 - b. intramuscular
 - c. subcutaneous
 - d. oral
 - e. rectal
 - f. I don't know
26. The recommended route of administration of opioid analgesics to children with brief, severe pain of sudden onset, e.g. trauma or postoperative pain, is
- a. intravenous
 - b. intramuscular
 - c. subcutaneous
 - d. oral
 - e. rectal
 - f. I don't know
27. Which of the following analgesic medications is considered the drug of choice for the treatment of prolonged moderate to severe pain for children?
- a. fentanyl
 - b. codeine
 - c. morphine
 - d. meperidine (Demerol)
 - e. I don't know
28. Which of the following IV doses of morphine administered would be equivalent to 15 mg of oral morphine.
- a. Morphine 3 mg IV
 - b. Morphine 5 mg IV
 - c. Morphine 10 mg IV
 - d. Morphine 15 mg IV

Pediatric Nurses' Knowledge and Attitudes Survey Regarding Pain in Burns,
Orthopedics and Spinal Cord Injuries
(PNKAS - Shriners revision 2002)

29. Analgesics for post-operative pain should initially be given
_____ a. around the clock on a fixed schedule
_____ b. only when the child/ adolescent asks for the medication
_____ c. only when the nurse determines that the child/ adolescent has moderate or greater discomfort
30. A child with background (continuous, persistent) pain has been receiving daily opioid analgesics for 2 months. The doses increased during this time period. Yesterday the child was receiving morphine 20 mg/hour intravenously. Today he has been receiving 25 mg/hour intravenously for 3 hours. The likelihood of the child developing clinically significant respiratory depression is
_____ a. less than 1%
_____ b. 1-10%
_____ c. 11-20%
_____ d. 21-40%
_____ e. > 41%
31. Analgesia for background (continuous, persistent) pain should be given
_____ a. around the clock on a fixed schedule
_____ b. only when the child asks for the medication
_____ c. only when the nurse determines that the child has moderate or greater discomfort
32. The most likely explanation for why a child/ adolescent with pain would request increased doses of pain medication is
_____ a. The child/ adolescent is experiencing increased pain.
_____ b. The child/ adolescent is experiencing increased anxiety or depression.
_____ c. The child/ adolescent is requesting more staff attention.
_____ d. The child's/ adolescent's requests are related to addiction.
33. Which of the following drugs are useful for treatment of pain in children?
_____ a. Ibuprophen (Motrin)
_____ b. Morphine
_____ c. Amitriptyline (Elavil)
_____ d. All of the above

**Pediatric Nurses' Knowledge and Attitudes Survey Regarding Pain in Burns,
Orthopedics and Spinal Cord Injuries**
(PNKAS - Shriners revision 2002)

34. The most accurate judge of the intensity of the child's/ adolescent's pain is
_____ a. the treating physician
_____ b. the child's/ adolescent's primary nurse
_____ c. the child/ adolescent
_____ d. the pharmacist/ other primary team member
_____ e. the child's/ adolescent's parent
35. Which of the following describes the best approach for cultural considerations in caring for child/ adolescent in pain:
_____ a. Because of the diverse and mixed cultures in the United States, there are no longer cultural influences on the pain experience.
_____ b. Nurses should use knowledge that has defined clearly the influence of pain on culture (e.g. Asians are generally stoic, Hispanics are expressive and exaggerate their pain, etc.)
_____ c. Children/ adolescents should be individually assessed to determine cultural influences on pain.
36. What do you think is the percentage of patients who over report the amount of pain they have? Circle the correct answer.

0 10 20 30 40 50 60 70 80 90 100%

37. Narcotic/opioid addiction is defined as psychological dependence accompanied by overwhelming concern with obtaining and using narcotics for psychic effect, not for medical reasons. It may occur with or without the physiological changes of tolerance to analgesia and physical dependence (withdrawal).

Using this definition, how likely is it that opioid addiction will occur as a result if treating pain with opioid analgesics? Circle the number closest to what you consider the correct answer.

< 1% 5% 25% 50% 75% 100%

**Pediatric Nurses' Knowledge and Attitudes Survey Regarding Pain in Burns,
Orthopedics and Spinal Cord Injuries**
(PNKAS - Shriners revision 2002)

Case Studies

Two patient case studies are presented. For each patient you are asked to make decisions about pain and medication.

Directions: Please select one answer for each question.

38. Patient A: Andrew is 15 years old and this is his first day following surgery. As you enter his room, he smiles at you and continues talking and joking with his visitor. Your assessment reveals the following information: BP = 120/80; HR = 80; R = 18; on a scale of 0 to 10 (0 = no pain/discomfort, 10 = worst pain/discomfort), he rates his pain as 8.

- A. On the patient's record you must mark his pain on the scale below. Circle the number that represents your assessment of Andrew's pain.

0 1 2 3 4 5 6 7 8 9 10

_____ No pain/ discomfort

_____ Worst
pain/discomfort

- B. Your assessment, above, is made two hours after he received morphine 2 mg IV. After he received the morphine, his pain ratings every half-hour ranged from 6 to 8 and he had no clinically significant respiratory depression, sedation, or other untoward side effects. He has identified 2 as an acceptable level of pain relief. His physician's order for analgesia is "morphine IV 1-3 mg q1h PRN pain relief." Check the action you will take at this time:

- _____ 1) Administer no morphine at this time.
 _____ 2) Administer morphine 1 mg IV now.
 _____ 3) Administer morphine 2 mg IV now.
 _____ 4) Administer morphine 3 mg IV now.

**Pediatric Nurses' Knowledge and Attitudes Survey Regarding Pain in Burns,
Orthopedics and Spinal Cord Injuries**
(PNKAS - Shriners revision 2002)

39. Patient B: Robert is 15 years old and this is his first day following surgery. As you enter his room, he is lying quietly in bed and grimaces as he turns in bed. Your assessment reveals the following information: BP = 120/80; HR = 80; R = 18; on a scale of 0 to 10 (0 = no pain/discomfort, 10 = worst pain/discomfort) he rates his pain as 8.

A. On the patient's record you must mark his pain on the scale below.

Circle the number that represents your assessment of Robert's pain:

0 1 2 3 4 5 6 7 8 9 10

No pain/ discomfort

Worst
pain/discomfort

B. Your assessment, above, is made two hours after he received morphine 2 mg IV. After he received the morphine, his pain ratings every half-hour ranged from 6 to 8 and he had no clinically significant respiratory depression, sedation, or other untoward side effects. He has identified 2 as an acceptable level of pain relief. His physician's order for analgesia is "morphine IV 1-3 mg q1h PRN pain relief." Check the action you will take at this time:

- _____ 1) Administer no morphine at this time.
- _____ 2) Administer morphine 1 mg IV now.
- _____ 3) Administer morphine 2 mg IV now.
- _____ 4) Administer morphine 3 mg IV now.

"By completing this questionnaire, I indicate my consent to participate in the study.
I understand confidentiality will be maintained."

