Name: ANSWER SHEET

Nurses' Knowledge of Opioid Pharmacology

PLEASE CIRCLE WHETHER THE FOLLOWING ARE TRUE (T) OR FALSE (F)

1. Placebos (without patient knowledge) can be used for effective treatment of pain problems, including:
   a. acute pain  T  F  Answer: F
   b. chronic pain  T  F  Answer: F
   c. terminal pain  T  F  Answer: F

2. Oral morphine is as effective as parenteral morphine with equianalgesic doses?
   T  F  Answer: T

3. M.S. Contin is recommended to be used on a prn basis?
   T  F  Answer: F

PLEASE FILL IN THE BLANKS

4. In a repeated dose situation, the oral equianalgesic dose of morphine 10 mg IM is ______ oral morphine?  Answer: 30 mg

5. What is the duration of analgesic action for:
   a. Oral morphine(immediate release)  _____ hours  Answer: 4-5 hr
   b. IM meperidine (Demerol)  _____ hours  Answer: 2-4 hr
   c. Oral codeine  _____ hours  Answer: 4 hr
   d. Oral Dilaudid  _____ hours  Answer: 2.5-4 hr
e. Oral Methadone ______ hours  Answer: 4-6 hr
f. Oral Levodromoran ______ hours  Answer: 4-5 hr
g. Oral Oxycodone ______ hours  Answer: 3-4 hr
h. IV Meperidine ______ hours  Answer: 2-3 hr

6. When titrated to effect, the largest dose of morphine that can be given is? ________
   Answer: there is no limit
7. What is the recommended dosing interval for oral immediate release morphine? ______ hours
   Answer: 3-4 hours
8. What is the recommended scheduling interval for sustained release morphine? ______
   Answer: 12 hours (8 –12 hours is acceptable)
9. What is the duration of action for Fentanyl transdermal (Duragesic) patches? _______
   Answer: 48-72 hour
10. The onset of action of oral Dilaudid is? ______ minutes
    Answer: 30 min
11. In a situation where repeated doses are to be administered, the oral equianalgesic dose of
    Dilaudid 4 mg IM is ________ mg oral morphine.
    Answer: 80 mg  po morphine
    Convert IM Dilaudid to po Dilaudid---4IM/1.5IM = ?po/7.5 po  =20po Dilaudid. Convert po
    Dilaudid to po morphine---20/7.5 po Dilaudid= ?/30po morphine  =80 mg morphine
12. When is the peak effect of the following drugs? Circle hours or minutes to indicate the time
    frame for your answer.
    a. oral immediate release morphine ______ min/hr  Answer: 2 hr
    b. oral long-acting morphine ______ min/hr  Answer: 3.5 hr
    c. IV Meperidine ______ min/hr  Answer: 5-7 min
    d. IV Morphine ______ min/hr  Answer: 20 min
    e. oral Methadone ______ min/hr  Answer: 1.5- 2 hr
    f. Fentanyl transdermal (Duragesic) patches ______ min/hr  Answer: 12-24 hr

PLEASE CIRCLE THE OPTIONS WHICH YOU THINK ARE CORRECT
13. Which drug(s) at equianalgesic doses has the most side effects, e.g., constipation, respiratory depression?
   a. meperidine  c. codeine
   b. morphine    d. levodromoran
   
   **Answer:** c. codeine

14. What is not recommended for long-term management of severe pain in terminally ill patients?
   a. morphine    c. levodromoran
   b. meperidine  d. methadone
   
   **Answer:** meperidine

15. What is the purpose of PRN in giving pain medications?
   a. prevent tolerance and addiction
   b. decrease respiratory depression
   c. decrease overdose liability
   d. for breakthrough pain when titrating narcotics
   e. for pain that has an intermittent pattern
   
   **Answer:** d and e

16. The optimal goal for pain control in hospitalized patients should be for the patient to have:
   a. no pain      c. moderate pain
   b. minimal pain d. severe pain
   
   **Answer:** a. no pain

17. What percentage of patients with organic pain become addicted to narcotics while in the hospital?
   a. < 0.1%       c. 10-19%       e. 50-79%
   b. 1-9%        d. 20-49%       f. 80-100%
   
   **Answer:** a. <0.1%
18. Did you use references to complete this questionnaire?

0) No _____     1) Yes _____

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Adapted from Watt-Watson. *Journal of Pain and Symptom Management*, 2, 207-211.¹