

Grant PTII-quiz

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12:59 PM

- 1. What type of conditions (name them and be specific) would you consider using IF Immersion therapy for?**
- Sprains/strains, Carpal Tunnel, med/lateral epicondylitis
- 2. What is the purpose for using Dual Frequency IF?**
-Hyper acute pain for long lasting pain relief
- 3. What type of current is used for driving specific ions into the tissues call Iontophoresis?**
-Galvanic/direct current
- 4. List 3 contraindications for cold LASER?**
-Pregnancy, malignancy, over the eyes, ephyseal plates, recent steroid injections, over thyroid
- 5. List the Musculoskeletal frequency's for the Erconia LASER**
Pain-9, muscle-16, lymph-42, organs-53
- 6. List all the parameters for using Iontophoresis**
 - Current type: Galvanic (direct)
 - Intensity: <5 mil amps (do not exceed 5milamps)
 - Polarity: depends on ion (+ for acute, - for chronic)
 - Tx time: 10-15min
 - Application technique: Bipolar
- 7. List all parameters for Phonophoresis**
 - Frequency: 3.3 MHz
 - Intensity: 3 Watts/cm.sq
 - Duty cycle: 20%
 - Tx time: 6-10min
 - Solutions: ibunex, or biofreeze
- 8. List all parameters for micro-current application using intellect legend XT for acute medial epicondylitis of the left elbow**
 - Method: pads
 - Polarity: +
 - Frequency: 10Hz
 - Tx time: 10
 - Intensity: 50 mA
 - Channel #: 1
 - Application technique: Biopolar
- 9. In attempt to treat a patient w/ acute lateral epicondylitis using iontophoresis, you connect the electrode w/ the solution to the positive pole. Which of the following solutions are you most likely to administer?**
 - Bromelain
 - Copper Sulphate
 - Iodine
 - Magnesium Sulphate**
- 10. List 3 negative ions you could use for Iontophoresis and list what conditions you would each for.**

IONS

- Bromelain
- Chlorine
- Iodine

CONDITIONS

- Anti-Inflammatory
- Adhesions, capsulitis, scar tissue
- Adhesions, Fibrositis, Frozen shoulder,

myofibrositis, peripheral neuropathy, scar tissue, skin disorders,

11. **The Frequency used for green LASERS are?**
 - a. Wavelength: 532
 - b. Power: 50 miliwatts
12. **TENS settings for treating acute conditions are?**
 - a. Pulse rate: 75
 - b. Pulse width: 200
13. **List 2 solutions that can be used with phonophoresis immersion therapy.**
 - a. Ibunex
 - b. Biofreeze
14. **Altering the dosage of a LASER is done by altering the ?**

-Time
15. **Which on-off cycle would be best for reducing a muscle spasm using Biphasic therapy?**

-10/10
16. **Light therapy is form of?**
 - a. Mechanical energy
 - b. Electromagnetic energy**
 - c. Superficial heat
 - d. Deep heat
 - e. None of the above
17. **What duty cycle would be selected for chronic conditions when using Ultrasound?**

-100%
18. **You can use a combination of electrical stimulating currents and Ultrasound to treat various orthopedic conditions: name 3**
 - a. Trigger point therapy
 - b. Strains/Sprains
 - c. Disc or facet injuries
19. **Contraindications and precautions for TENS would include: list 4**
 - a. Malignancy
 - b. Pregnancy
 - c. Fracture
 - d. Pace-maker
 - e. Open wounds
20. **List all the parameters for combination therapy using phonophoresis, high volt immersion application when treating chronic conditions?**
 - a. Channel#: 1
 - b. Duty cycle: 20%
 - c. US Freq: 3 MHz
 - d. US Intensity: 3 mA
 - e. HV frequency: 1-10 MHz
 - f. Polarity: -
 - g. Tx time: 10 min
 - h. Solutions: ibunex
 - i. HV intensity: patient perception