

Questions

Monday, December 08, 2008
7:27 AM

Quiz (20 points)

What kind of conditions would you consider doing immersion IF for?

What is the purpose for doing dual frequency IF for?

What type of current is used for driving ions into tissues in Iontophoresis?

Name 3 contraindications for the use of cold laser

List the musculoskeletal frequencies for the Erchonia laser

Pain

Muscle

Lymph

Organs

List all the parameters for using Iontophoresis

Current type

Intensity

Polarity

Time of Tx

Application technique

Bipolar

Unipolar

Quadripolar

List the parameters for Phonophoresis

Frequency

Intensity

Duty cycle

Time of Tx

What solutions

List the parameters for Microcurrent using Intellect Legend XT for Acute epicondylitis elbow

Method

Polarity

Frequency

Time of Tx

Intensity

Channel #

Application technique

Using Iontophoresis solution to positive pole

Use what solutions do you use? (which one is positive)

Bromelin

CuSO₄

Iodine

MgSO₄

List 3 negative ions for Iontophoresis (in booklet)

What conditions would you use each one for?

Frequency used for green lasers are

735 nm

TENS settings for acute conditions

Pulse width

Pulse rate

List 2 solutions that can be used w/ Phonophoresis and ultrasound gel

Biofreeze

Ibunex (spelling?)

All Tx dosage of the laser is done by altering the _____ (Tx time)

When using biphasic therapy which on/off cycle is best for reducing ms spasm?

What duty cycle is used for chronic conditions using ultrasound?

Light therapy is a form of

Electromagnetic energy

You can use a combo of ultrasound and EMS name 3 orthopedic conditions

Contraindications and precautions for TENS include (list 4)

Open wounds

List all the parameters using combo therapy for using high volt and immersion ultrasound on the legend
XT

Channel

Duty cycle

US frequency/intensity

HV frequency

Polarity

Time of Tx

Solutions used

High volt intensity

Final (30 questions from the following/30 points)

Modalities considered low frequency (more than 1 answer)

HV

TENS

Low volt

Short wave diathermy

Which of the following won't decrease swelling?

Cryopressure

Ice towel

Ice massage

Evaporative coolants

When doing short wave diathermy on 36 year old female what heat transfer type is being used

Conversion

Convection

Conduction

Radiation (this one)

T/F Intensity of laser is measured in Joules

T/F Electrons flowing in AC current flow from + to - and reverse as current does

T/F Electrons are energy transfer unit in laser therapy

Match (use once)

Anti-inflammatory	Mg	Cu	US gel	Bromelin	Paraffin
Antifungal	Mg	Cu	US gel	Bromelin	Paraffin
Analgesia	Mg	Cu	US gel	Bromelin	Paraffin

Mach

Russian stim	Biofreeze	Strength gain	Diathermy	4000 Hz
Iontophoresis	Biofreeze	Strength gain	Diathermy	4000 Hz
Electrical nerve block	Biofreeze	Strength gain	Diathermy	4000 Hz
Phonophoresis	Biofreeze	Strength gain	Diathermy	4000 Hz

T/F collimated lasers have high angle of divergence

T/F When using AC current and monopolar application tech both leads are active

T/F when using Iontophoresis the + electrode is considered the Cathode

T/F all lasers have visible light

T/F Phonophoresis immersion can be used with HV stimulation

T/F Iontophoresis the negative lead is called the anode

All following parameters are correct for Phonophoresis except

20% duty cycle

1.5 w/cm²

8-10 min

3x size of ultrasound head

T/F Analgesic effect is most frequent indication for using infrared

T/F Power of lasers are measured in mW

When using ultrasound under water

What is the best position

3 in from body part

Touching body part

1 inch from body part

9 sonometers from body part

T/F All lasers are collimated

Which type of modality uses medium frequency as it's carrier frequency

MENS

Interferential

HV

Low Volt

Short wave diathermy

Which on and off cycle is best to prevent atrophy using Russian stim

10/10

10/50

10/20

20/20

Which of the following modalities is both mechanical and thermal

Massage

Traction

Electrical stim

Ultrasound

Hot pack

T/F Polarity is a factor when using HV

T/F A unipolar application tech can be used w/ HV

The frequency when using HV on acute conditions is

1:10

3:5

80:120

20 mAmps

Contraindication for HV

Infection

Malignancy

Hemorrhage

Pacemaker

All of the above

Which of the following is the least effective US coupler

US gel

Petroleum jelly

Water

...

Frequency in US refers to

times being used

Amount of time on

mAmps used

3 units

Depth of penetration

When using US and EMS together the sound head works as

Dispersive pad

Ground

Electrode

Electromagnetic wave

None of the above

What modality uses direct current

TENS

MENS

Iontophoresis

IF current

Both B & C

TENS application used primarily for

Reducing muscle spasm

Building space

Pain management

Reducing edema

Acupuncture stuff

Microcurrent application modality is referred to as

Low intensity direct current

Biostimulation

Bioelectric therapy

Low intensity biotherapy

H wave