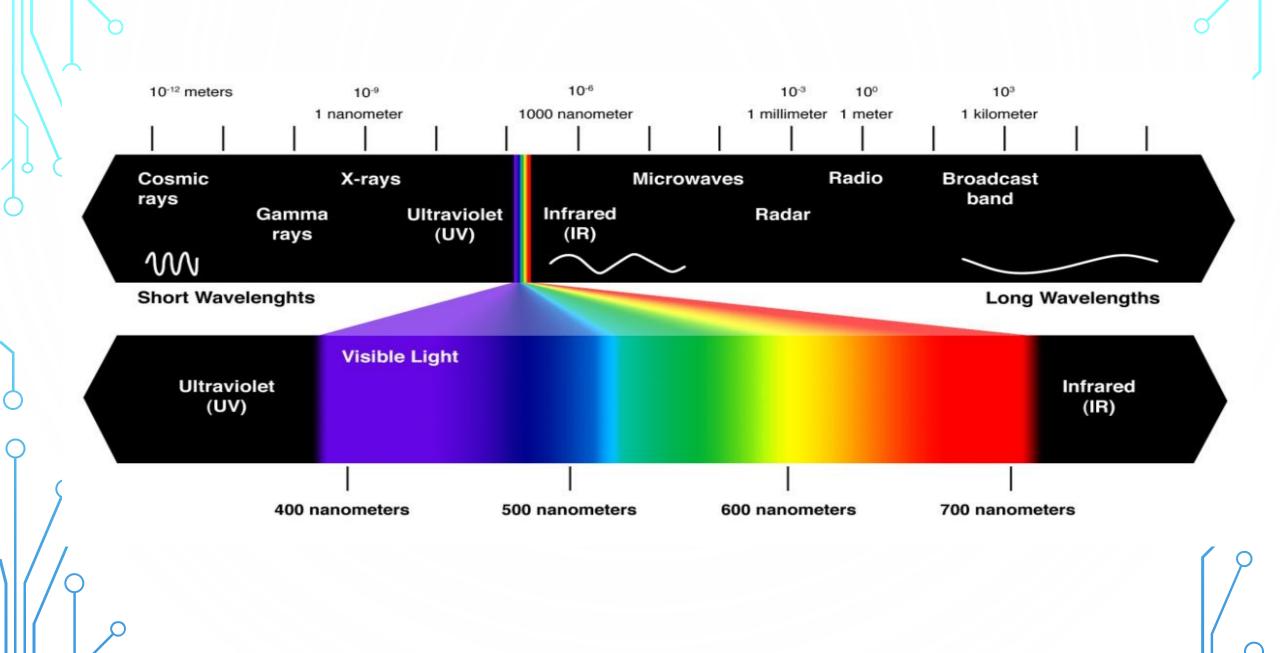
LOW LEVEL LASER **THERAPY**

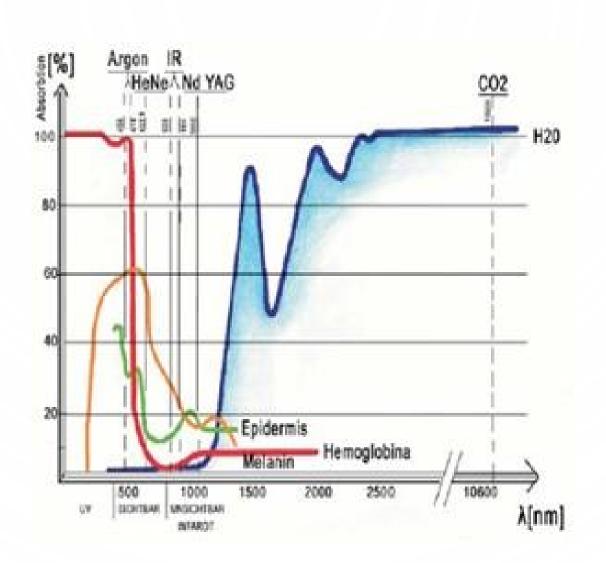
LIGHT AMPLIFICATION BY STIMULATED EMISSION OF **RADIATION**





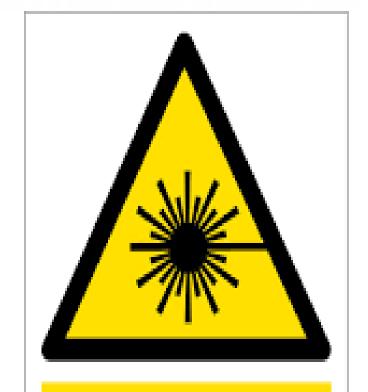


WHAT WAVELENGTH HAVE THERAPEUTIC LASERS:

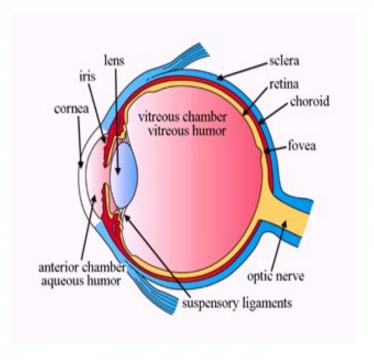


IN PHYSICAL MEDICINE WE PREFERED WAVELENGTH 830 nanometers FOR HEALING JOINTS, DEEP TP, DEEP MUSCLES AND FASCIAS.





Warning Laser beam



LLTH IS THE PART OF FOTOTHERAPY

FOTOTHERAPY:

1/ UV-

2/ VISIBLE LIGHT: 400-700nm

3/ INFRARED LIGHT

VISIBLE LIGHT: 400-700 NANOMETERS



Green - 540nm

- -Improves skin metabolism
- -lightens sunspots & freckles
- -stress relief, tranquility



Red - 755nm

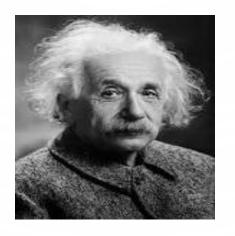
- -Increases circulation
- -Helps lymphatic drainage
- -Stimulates cell regeneration
- -stimulating, warming



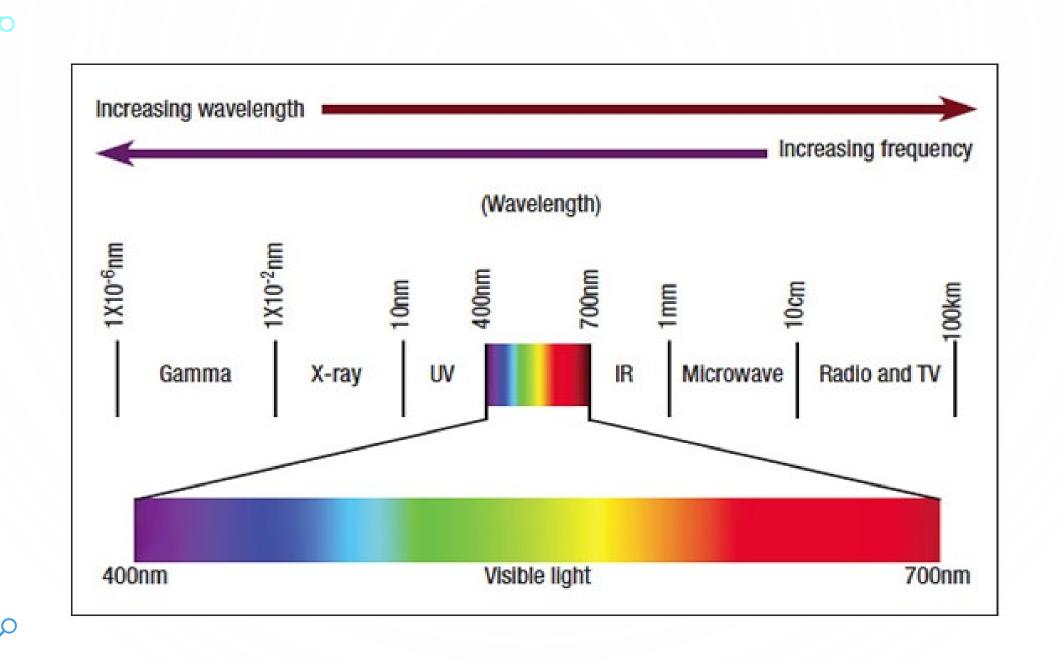
Blue - 500nm

- -Antibacterial effect
- -Fights acne
- -calming, relaxing

IN 1917 ALBERT EINSTEIN FIRST DESCRIBES ABSORPTION, SPONTANEOUS AND STIMULATED EMISSION OF ELECTROMAGNETIC RADIATION.



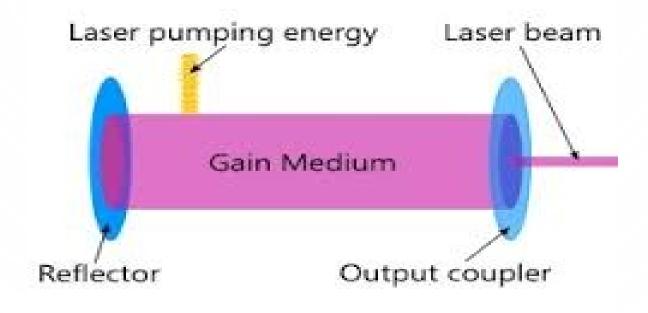
THE FIRST NONINVASIVE LASER IN MEDICINE: 1960





A DEVICE PRODUCES A COHERENT, MONOCHROMATIC AND POLARIZED LIGHT

CONSTRUCTION OF APPARATUS



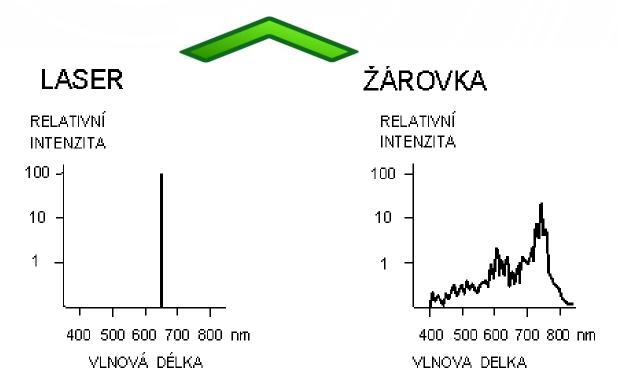
QUALITY OF THE LASER BEAM



1/ MONOCHROMATICITY

LASER EMITES ONLY ONE WAVELENTH

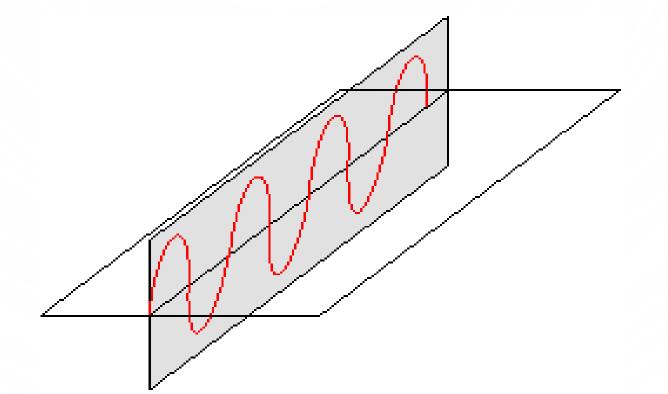
bulb



light

2/ POLARIZED BEAM

IN ONE LANE- EASY TO PASS THROUGHT MEDIA

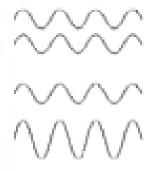


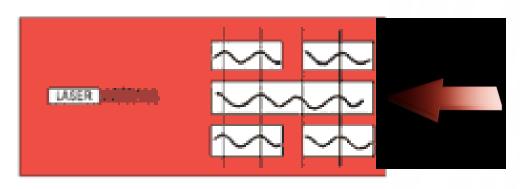
3/COHERENT

ALL IN SAME PHASE

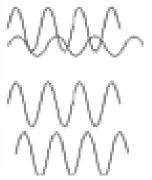


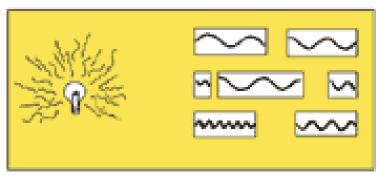






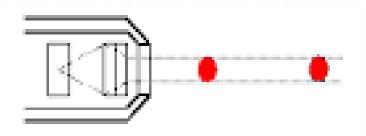
NEKOHERENTHÍ ZÁŘEHÍ



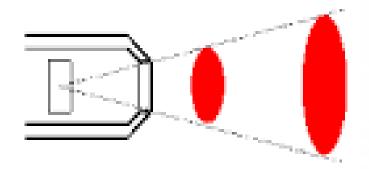


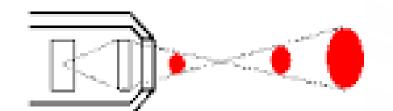
GEOMETRY OF THE LASER BEAM

PARALIER X DIVERGENT



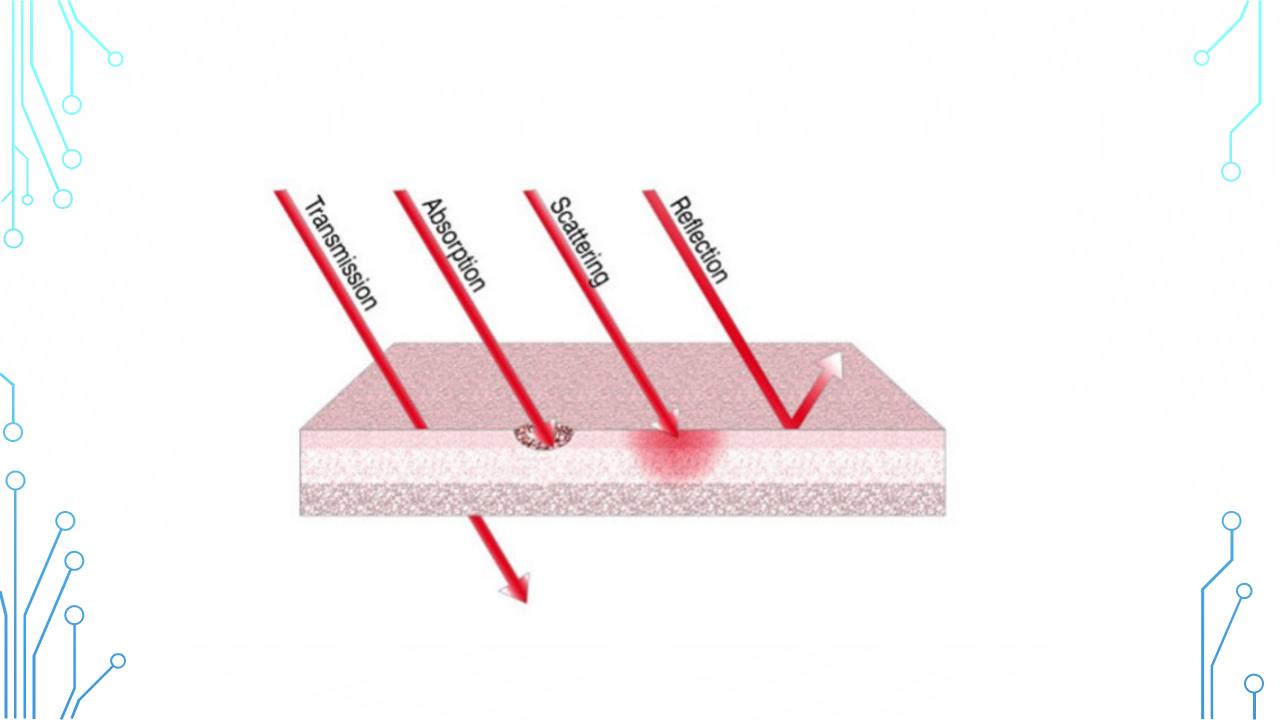




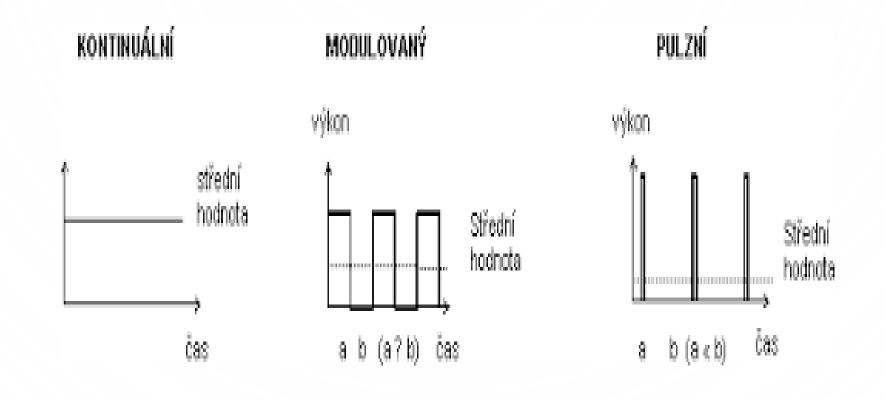


PROPERTIES OF THE LIGHT- LASER LIGHT

- QUARRY
- BOUND
- ABSORPTION
- PASSAGE



HOW DAS LASER OPERATES?



INDICATIONS FOR LASER THERAPY

Treatable Conditions

Otitis

Sinusitis

Trigeminal Neuralgia

Lumbar Disc Herniation



Low Back Pain

Sacroiliac Joint Pain

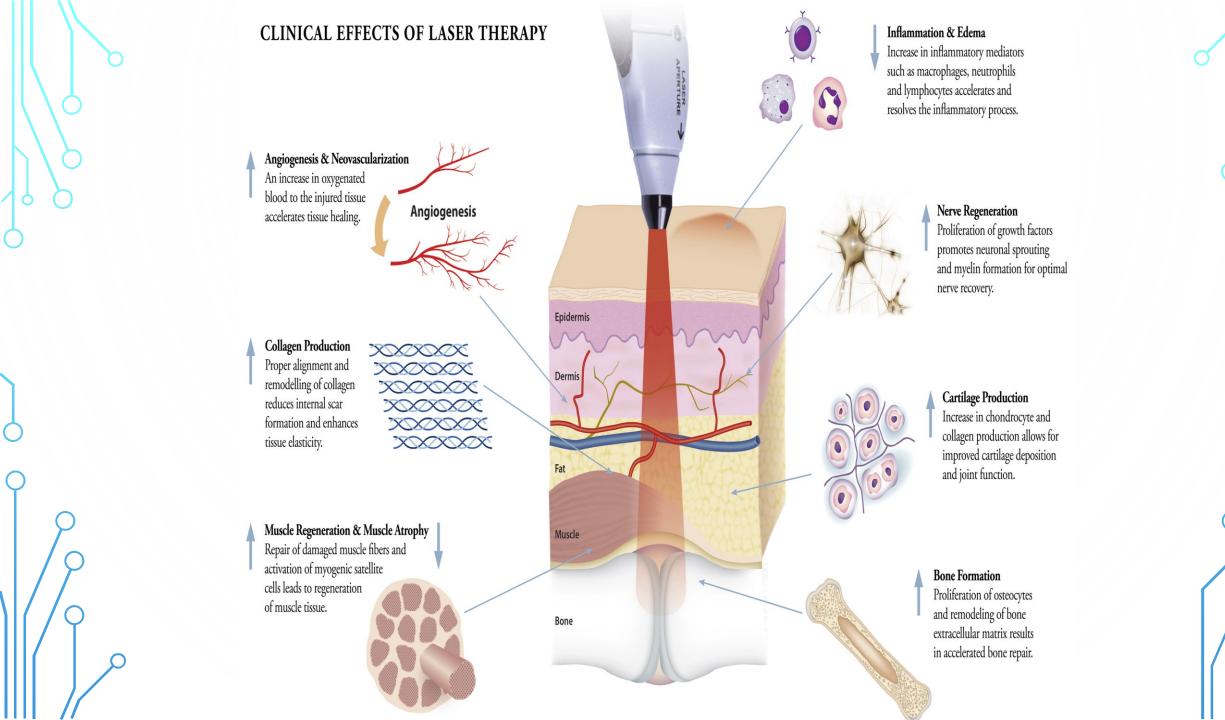
Patellofemoral Pain Keliod Hypertrophic Scar

Fibromyalgia

Lymphedema

Sesamoiditis

Psoriasis



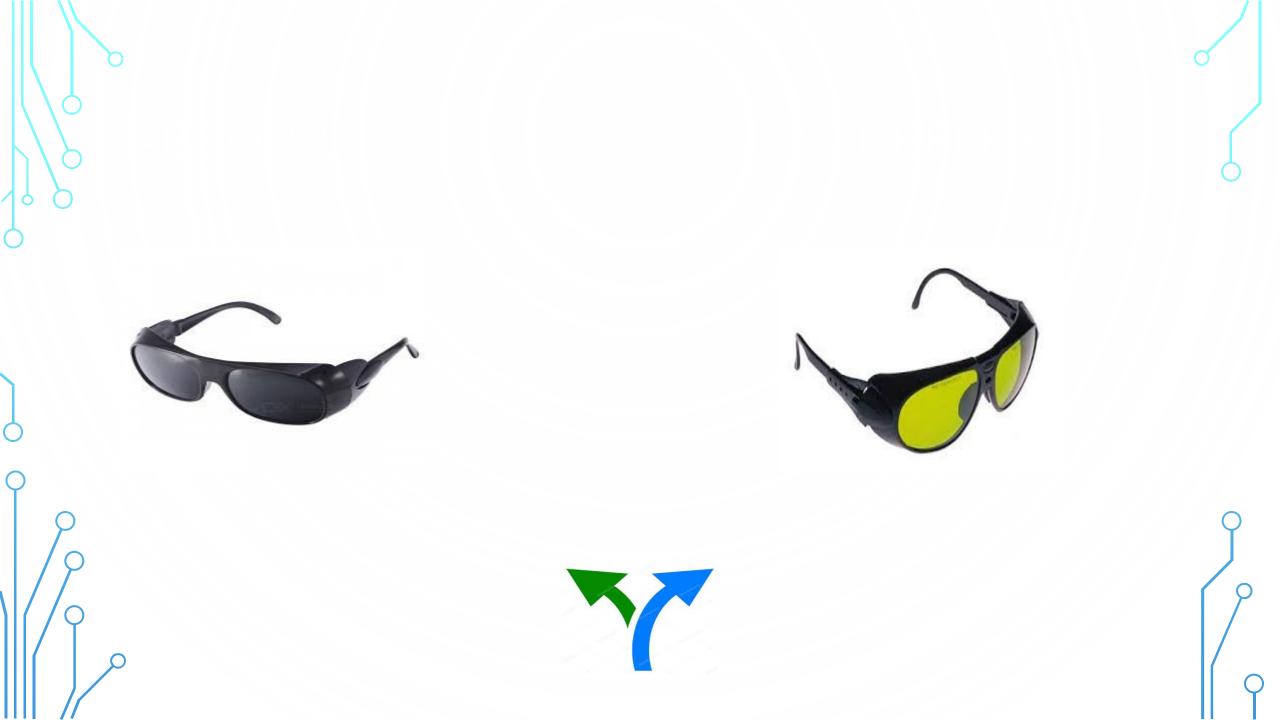
KONTRAINDICATIONS FOR LASER THERAPY





LASER GLASSES

EVERY



IDENTIFICATION OF THE LASER GLASSES

NEWS IN LASER THERAPY







