

## **What does LASER stand for?**

LASER stands for **L**ight **A**mplification by **S**timulated **E**mission by **R**adiation

## **Are low level lasers SAFE?**

Laser diodes have been used for years in such applications as bar code check outs, CD players, laser printers and pointers. The FDA has listed bio-stimulation lasers as non-significant risk (NSR) devices.

Cold lasers are extremely safe because the laser light/radiation has no effect on healthy cells. Yet, worldwide research, tests and studies have shown conclusively that cold laser light restores balance, energy and nutrient, oxygen permeability to sick cells. Thus resulting in accelerated healing and regeneration. This healing is additionally supported by the lasers ability to cause key enzymes and hormones to be secreted, which reduces or eliminates inflammation and pain.

## **Have low level lasers been scientifically studied and proven?**

Low level lasers have been used world-wide for over 50 years. Over 2000 studies have shown that low level lasers:

- (1) **REDUCE PAIN** by stimulating cells to produce their own endorphins, natural pain killers,
- (2) **PROMOTE FASTER HEALING** by stimulating cells to increase the production of two major healing enzymes by as much as 75%,
- (3) **REDUCE INFLAMMATION** by as much as 75%,
- (4) **INCREASE BONE REPAIR SPEED** by stimulating fibroblastic and osteoblastic proliferation,
- (5) **RELAX MUSCLES** and muscle spasms,
- (6) **DECREASE SWELLING** by stimulating lymphatic drainage,
- (7) **ENHANCE THE IMMUNE SYSTEM** by increasing the number of "killer" cells by 400-900%, and most importantly,
- (8) **RE-ENERGIZE CELL MEMBRANES** to allow transport of essential nutrients across cell walls (nutrients will not cross an injured or sick cell wall, thus slowing healing) allowing a healthy new cell to grow.