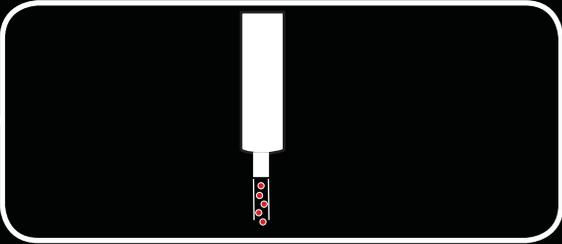


CLASS III VS

CLASS IV

1. Lower Power

Class III lasers have a maximum power output of 500 milliwatts (or ½ of a watt). This means that during a given amount of time, less energy is delivered to target structures, especially those deeper within the body.



2. Extended Treatment Times

Class III lasers require longer treatment times to deliver comparable therapeutic dosages. As a rule, the lower the laser power, the longer the treatment time, given an equivalent dosage.

Longer treatment times - 5000 J @ 0.5 W = 10000 s = 166.7 min



60 min

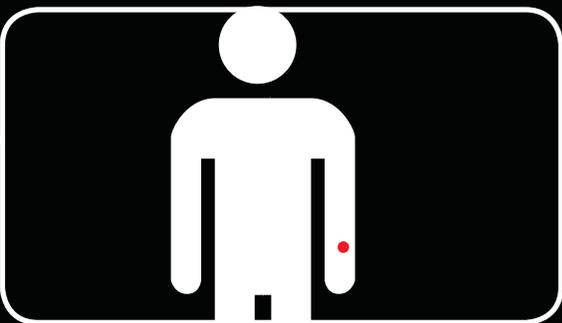
60 min

47 min

0.5 W

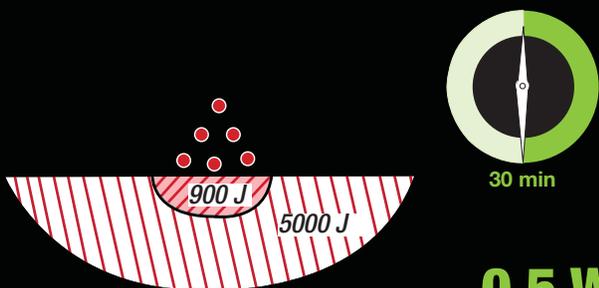
3. Limited Treatment Area

Treatment methods with Class III lasers rely on treating small points on the body, typically directly over the site of pain. Since these lasers are less powerful, they must remain in the same place longer to deliver an adequate dose.



4. Treat Superficial Structures Only

Due to the power limitations, and thus extended treatment times, Class III lasers are most clinically effective for treating superficial musculoskeletal conditions, as such conditions typically require minimal dosages.



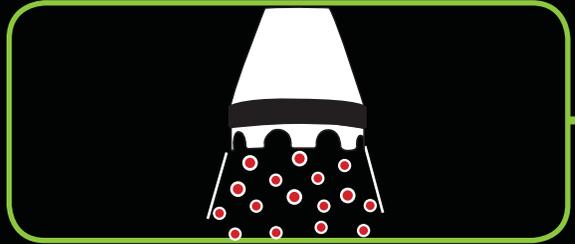
30 min

0.5 W

If you have a 30 min appointment and a 0.5 W laser, you can only deliver 900 J.

1. Higher Power

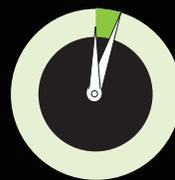
Class IV lasers operate at powers above 500 mW. These lasers are able to deliver more therapeutic energy within a given amount of time to target structures deep within the body.



2. Expedited Treatment Times

Class IV lasers are more powerful and therefore able to facilitate quicker treatments. A 15 watt laser can deliver a comparable dose 30 times faster than a 500 mW laser.

Shorter treatment times - 5000 J @ 15 W = 333 s = 5.6 min



6 min

15 W

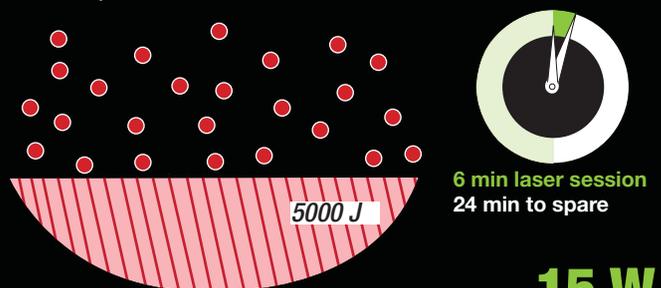
3. Expanded Treatment Area

Class IV lasers are able to treat larger areas over multiple regions, addressing not only the direct site of pain, but referring sites as well. More power means quicker dosing, which leaves additional time for more extensive and uniform coverage.



4. Treat Deep and Superficial Structures

Class IV lasers can treat both superficial and deep musculoskeletal conditions. Since these lasers are more powerful, they can deliver a higher dosage more quickly to a larger area, making them ideal for treating deeper structures.



6 min laser session
24 min to spare

15 W

If you have a 30 min appointment and a 15 W laser, you can deliver 5000 J in less than 6 minutes, and have 24 minutes left for other therapies.