

# Med-QLaser

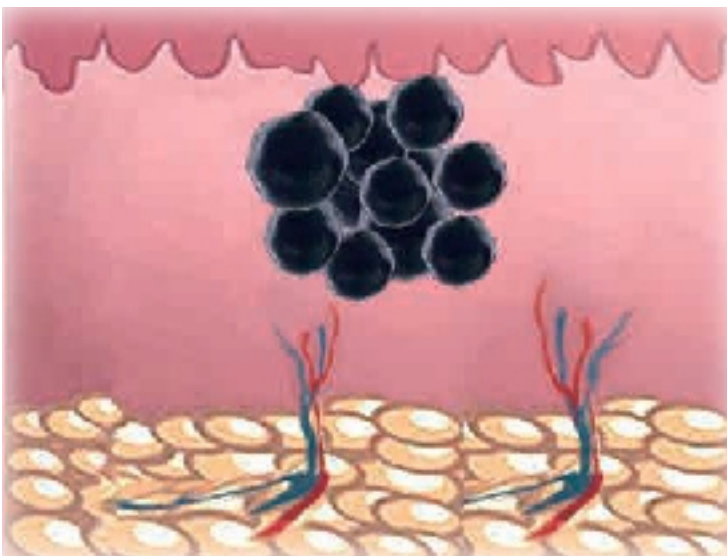
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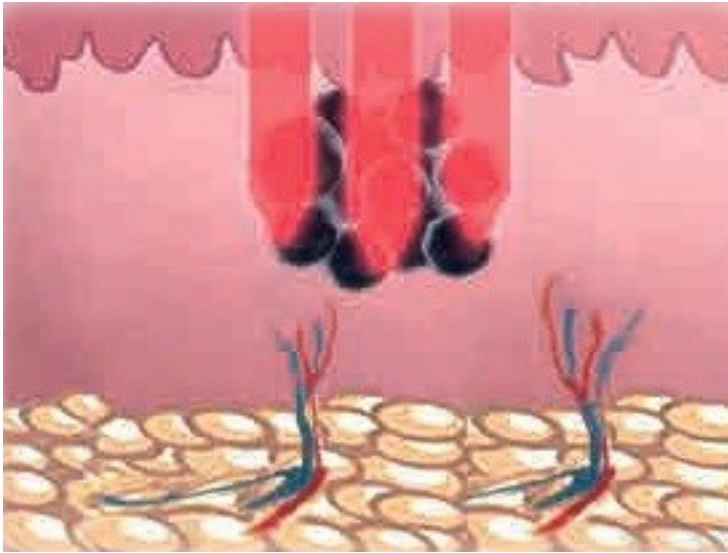
**PIGMENTATION. SKIN TIGHTENING. SKIN REJUVENATION. TATTOO REMOVAL**

Med-QLaser™ is newly released Q-Switched Nd:YAG laser therapy system.

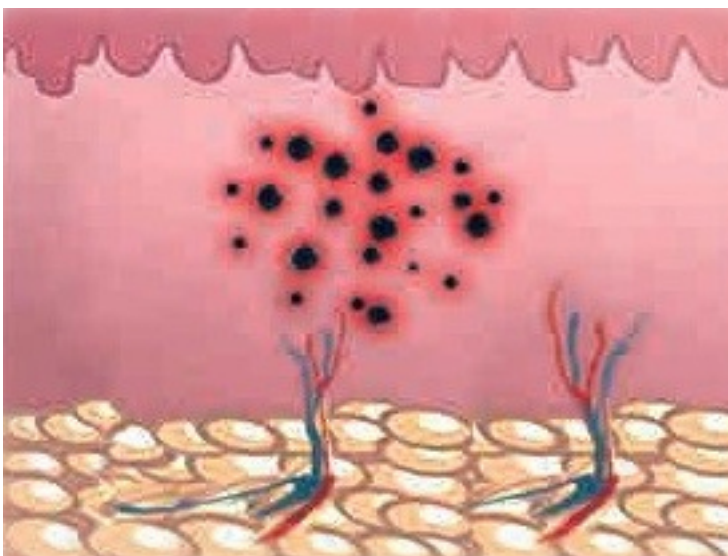
Med-QLaser™ integrated with real-time energy monitor, energy auto-changing by adjustable handpiece, water filtration system, sufficiently guarantee the safety and efficiency during treatment. New UI designs focus on user experience which making the operation simpler and more convenient.



1. Melanin granules in skin



2. Absorbing laser energy



3. Instantaneously blasted

## OVERVIEW

- TGA registered medical grade equipment
- Multiple global patents
- Two stages Nd:YAG laser system with electro-optic Q-Switched technology, which output higher energy. The designs adopt cavity optimized schedule, make the pulse width as short as 5ns, and get doubled output power density under the same energy.
- Integrated laser energy monitor system inside, set warning signal when energy deviation over threshold, all to ensure treatment effectiveness and safety.

### Principle of Treatment

Treatment principle for pigmented dermatosis of Q-Switched Nd:YAG Laser Therapy system lies in selective photothermolysis with melanin as the chromophore. Q-Switched Nd:YAG has higher Peak power and nanoseconds-level pulse width. Melanin in melanophore and cuticle formed cells have a short hot relaxation time. It could immediately make small selectively energy absorbed granules (tattoo pigment and melanin) blast without injuring surrounded normal tissues. The blasted pigment granules will be excreted from body through circulatory system.



Pigmentation



Skin Tightening



Tattoo Removal



Skin Rejuvenation