

Notes by Joan B. Martin MD

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**EFFECT OF LOW POWER 655 AND 830 nm DIODE LASER IRRADIATION
ON THE NEUROMUSCULAR JUNCTIONS OF THE MOUSE DIAPHRAGM**

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- Studies neurotransmitter release in neuromuscular junction of mouse diaphragm
- 4 and 12 J/cm²
- Intracellular end plate potentials measured
- Conclusion: red irradiation in these doses has no detectable physiological effect on the motor end-plate neurotransmitter release in mice
- But it did induce a reduction of evoked Ach released, which may explain the muscle relaxation effect