

저출력 레이저 치료기의 광 출력 특성

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Characteristics of Optical Power of Low Level Laser Apparatus

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Abstract : Low level laser has various therapy effects. This paper performed the basic study for fabricating the low level laser therapy apparatus, and one of the goals of this paper was to make this apparatus used handily. The apparatus has been fabricated using the laser diode and microprocessor unit. The apparatus used a 660nm Laser diode for blood stream improvement and was designed for a pulse width modulation type to increase stimulation effects. In result, we could get the light power of 660nm wavelength and the 1~10Hz irradiation frequency could be controlled stably.

Key Words : Low Level Laser Therapy, Laser Diode, 660nm wavelength