

혈류 개선용 레이저다이오드 치료기 개발

천민우, 김성환, 박용필*

조선대학교 의과대학, 동신대학교 병원의료공학과*

Development of Laser Diode Medical Therapy Apparatus for Blood Stream Improvement

Min-Woo Cheon, Seong-Hwan Kim and Yong-Pil Park*

ChoSun Univ., DongShin Univ.

Abstract : Low level laser therapy 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 785nm 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 785nm wavelength.

Key Words : Blood Stream, Laser Diode, Medical Therapy Apparatus, Low Level Laser Therapy