

의료용 4ch 광 조사 발전기 개발

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Development of 4ch Light Irradiator for Medical Therapy

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Abstract : This paper performed the basic study for developing the light therapy equipment for medical treatment. We developed the equipment for medical therapy using a high brightness LED. This equipment was fabricated using a micro-controller and a high brightness LED, and designed to enable us to control light irradiation time, intensity, frequency and so on. Especially, to control the light irradiation frequency, and to control the change of output value, TLC5941 was used. Control stage is divided into 4 step by program. Consequently, the current value could be controlled by the change of level in Continue Wave(CW) and the output of a high brightness LED could be controlled, stage by stage.

Key Words : Light Irradiator, Medical Therapy, Light Therapy