

Regenerative Medicine, Stem Cells, and Low-Level Laser Therapy: Future Directives

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However, it is the cellular effect of increasing proliferation and viability that may significantly contribute to the addition of LLLT to the many biomedical disciplines that further augment the successes of regenerative medicine. Low-intensity laser irradiation has been shown to induce stem cell activity by increasing migration, proliferation, and viability; activating protein expression, and inducing differentiation in progenitor cells.^{11,1}