



Health Technology Review	
Technology Ref:	HTA20014
Technology Name:	Activ Pro (Therapeutic Laser) – Photobiomodulation Technology
Approvals by International Bodies:	Multi Radiance has been cleared by FDA as a safe Class IIa Laser, GMDN Code 35147, has received CE Certificate MDD-152 marks for Europe, has received its ISO certification 13485:2016. Our Veterinary devices are approved for sale in UAE. Both our Veterinary and Human devices are approved in Saudi Arabia
Company name:	Multi Radiance Medical
Agent in UAE:	J. Mark Strong,
Email:	<a href="mailto:jmarkstrong@multiradiance.com">jmarkstrong@multiradiance.com</a>

<b>Short Description of the Technology:</b>	Multi Radiance innovations include not only making Laser therapy safe by Super Pulsing, eliminating heat hazards by utilizing extremely short nanosecond high peak power durations instead of a continuous beam, but also documenting the most synergistic wavelengths to combine for optimal absorption of the light at the target tissue. Multi Radiance further improved outcomes by adding a blue wavelength which effectively fights infection bacteria by causing oxidative stress. These drug resistant bacteria, including MRSA, just die upon exposure. This has also been thoroughly documented in peer reviewed studies. Multi Radiance has now produced more clinical published studies than any other Laser manufacturer and sells more therapeutic Lasers than any other company globally. Many Dr's and clinicians tell us this is the most useful modality in their practices
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<b>Health Technology Assessment Team Recommendation:</b>	<b>Disapproved</b>
<b>Summary of Review:</b>	
The device works based on the Photobiomodulation Technology (PBM), the technique of light induced photochemical reactions in biological systems, it used in therapeutic application such as Pain Relief, Targeting Inflammation and Sports Injuries.	
<b>Advantages</b>	<b>Disadvantages</b>
FDA-approved for temporary relief of muscle and joint pain	Further clinical trials shall be performed to prove the efficacy of the PBMT
Negative side effects have not been reported from the use of PBMT.	Not clear evidence how Activ Pro device uses which light spectrum to treat wound infections (need to use blue light 400–470 nm range) and COVID-19 (need to use red and near infrared light, with wavelengths approximately in the range of 600–700 nm and 700–1000 nm respectively).

<p>Improve Patient Quality of life; non-invasive, side-effect free and easily deployed adjunctive treatment for different diseases such</p>	<p>It may take several treatments for the results to become evident (eight to 30 sessions)</p>
	<p>To be used by well-trained professional: it is important that a clinician uses the appropriate wavelength of light and parameters to treat a condition. One wavelength and one set of treatment parameters will not be effective for all conditions.</p>

We recommend **a disapproval** of using this technology due to the following:

1. Further evidence & studies required to prove the efficacy of the therapeutic effect and treatments for chronic diseases

### Technology Image

