Photodynamic action and diseases caused by light

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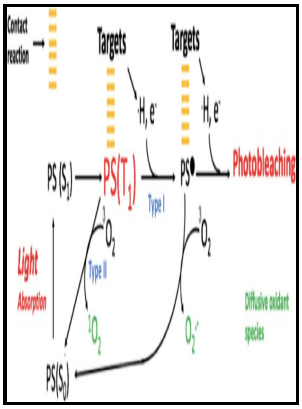

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Beyond Photodynamic Therapy: Light

The use of light and oxygen, in tandem with photosensitizers, can produce specific body responses in patients that scientists are thinking might trigger rejuvenating elements of the skin. A photosensitizer Photosensitizers are typically a dye substance that gets absorbed by the bacterial cell and infected tissue. As we move forward, we should synchronize our speed with the progression of this disease, or even progress faster than it, so it does not take more lives in the future while challenging humanity.

Photodynamic therapy

However, intense-pulsed light could have merits over topical options in some conditions 39. Bacellar IOL, Tsubone TM, Pavani C, Baptista MS. Some patients have also exhibited non-respiratory symptoms such as acute liver and heart injury, kidney failure, and diarrhea showing a multiple organ involvement.

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Usually, the laser light activates the photosensitizer and promotes it to bind with the bacterial membrane. We may benefit from using an indocyanine green-based photosensitizer that has been used in the blood for diagnostic purposes.

Radiation

The extension study showed no significant systemic safety problems over the 5 year period and demonstrated stable vision over the 60 month period. Nevertheless, the need of UV light for their activation still limits their application. Of course, in the future, the use of a different modality of PBM and aPDT can be evolved and, by using monoclonal antibodies we could target lung tissue specifically.

Photodynamic therapy can combat secondary infections in COVID

. Otherwise, PS T 1 can react with molecular oxygen 3O 2, via the Type II photochemical reaction. Furthermore, nicotinamide does not exert

antioxidant effects in vitro in human keratinocytes, and, consequently, does not decrease ROS generation, which is required for the antitumoral action of photodynamic therapy 120.

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