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Light and laser as adjuvant therapy for acne vulgaris

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Acne Vulgaris (AV) is one of the most common dermatologic diseases, as a result of chronic inflammation of sebaceous follicles characterized by mild-severe papule inflammation, nodules and pustules. The conventional pathogenesis of AV expresses acne lesions initiated subclinically as follicular hyperkeratosis, which has a role for the formation of microcomedones, proliferation and colonization of microbes: *Propionibacterium acnes*, some *Coccus* and *Pityrosporum ovale* yeast, glandular hyperplasia and obstruction of sebaceous glands. Traditional modality treatment for acne vulgaris includes a variety of topical and systemic therapy. The use of laser and light devices has increased dramatically in recent decade due to the overall ease of treatment, predictable clinically improvement and minimal side effects. The devices are thought to target underlying trigger factor such as bacteria *Propionibacterium acnes* colonization, increased sebaceous gland activity and the cutaneous inflammatory response.

Biography

Prasetyadi Mawardi is an Active Staff and Lecturer in Department of Dermatology and Venereology in Dr. Moewardi General Hospital/Medical Faculty of Sebelas Maret University in Surakarta, Indonesia. He has completed his Graduation as a Dermatovenereologist from Diponegoro University in Semarang, Indonesia. His major interests include cosmetic medic, skin tumor, skin surgery, acne, aging, laser and light modality and tropical dermatology also dermatopathology. He has achieved his Doctoral (PhD) studies from Brawijaya University in Malang, Indonesia. He not only often acts as a Speaker and Lecturer in national and international dermatology forum, but also actively publishes his research and reviews in some international journals.

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