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## Off label uses of vitamin-D treatment in dermatology

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Vitamin D is used in patients with psoriasis for years since it provides keratinocyte proliferation and differentiation regulation. It can also be used in skin diseases other than psoriasis. The aim of the study is to detect the off-label use of vitamin D in the skin diseases. All data about off label uses of vitamin D in treatment in dermatology were screened on medline database. Obtained studies were grouped according to types of diseases. 60 articles were included in the study. Strong evidences are found that the topical use of vitamin D in vitiligo as a part of combined therapy is effective. It is also showed that use of vitamin D as topical treatment has beneficial effect in several skin diseases such as morphea, eritema annulare centrifugum, prurigo nodularis, warts, ichthyosis; and as systemic treatment in diseases such as granuloma annulare. Vitamin D is not only effective in psoriasis, but also in the treatment of many skin diseases due to regulatory effect on keratinocytes and immunoregulatory properties. But still more comprehensive studies about off label use of vitamin D in dermatology is required.

### Biography

Ufuk Kavuzlu received his medical degree from Mersin University in 2011, at the age of 24. Since 2013 he is an assistant doctor in Mersin University Hospital which his ongoing residency training in dermatology has started in.

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