

# Rosacea, demodex and Dermoscopy

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## Abstract

Rosacea has been recognized as a chronic inflammatory diseases of the skin that primary involves the central face, as well as forehead, chin and eyes. The diagnosis of rosacea is mainly depends on clinical manifestations and chronic repeated courses which started early from clinical subtypes to phenotype orientated in recent years. The pathogenesis is still not fully understood, genetic factors, immune and neurovascular dysregulations, environmental factors including microorganisms and UV radiation, are thought to be highly correlated. The microorganisms, especially *demodex folliculorum*, has been studied and proved to play a role in causing and exacerbating rosacea. The characters of demodex can be used for the diagnosis and as treatment outcome monitoring for rosacea. Dermoscopy, as a proven objective tool for diagnosing skin diseases, is excellent in the differential diagnosis of rosacea from other facial inflammatory diseases. In this speech, the convenient methods of demodex measurement, the characters of dermoscopic features of demodex infestation, and differential diagnosis for rosacea will be introduced.