

DERMOSCOPIIC CRITERIA FOR THE ASSESSMENT OF CUTANEOUS VASCULAR PATTERNS: MORPHOLOGICAL TYPES OF VESSELS AND PATHOPHYSIOLOGICAL MECHANISMS OF THEIR FORMATION. PART I

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Heading	VIEW OF THE PROBLEM
Type of article	Scientific Article
Annotation	<p>Objective. To identify and systematize dermoscopic criteria for the assessment of morphological types of cutaneous vascular structures and their pathomorphological correlates, taking into account the pathophysiological mechanisms underlying inflammatory dermatoses and skin neoplasms, in order to improve the accuracy of non-invasive diagnosis.</p> <p>Materials and Methods. A narrative review and systematic analysis of contemporary scientific publications, consensus documents, and clinical studies focused on the dermoscopic evaluation of vascular morphology and its histological and pathomorphological correlates in inflammatory dermatoses and skin neoplasms were performed.</p> <p>Results and Discussion. Analysis of the literature indicates that dermoscopic vascular represents a sensitive marker of pathophysiological changes in the skin and reflects key mechanisms of tissue involvement, including reactive vasodilation, inflammatory microangiopathy, endothelial dysfunction, angiogenesis, and tumor-induced neovascularization. A clear association was identified between specific vascular morphological types (dotted, globular, linear, irregular linear, branching, coiled, glomerular vessels and other vascular morphologies) and their underlying pathomorphological substrate within the dermis. However, no single vascular morphological type is absolutely specific for a particular nosological entity, necessitating interpretation in conjunction with other dermoscopic features and relevant clinical data.</p> <p>Conclusions. Systematization of dermoscopic vascular structures according to their morphological types and corresponding pathomorphological correlates enhances understanding of the mechanisms underlying the formation of cutaneous vascular patterns and increases the diagnostic value of dermoscopy as a non-invasive tool for the evaluation of inflammatory and neoplastic skin processes.</p>
Tags	<i>dermoscopy, skin, vascular patterns, morphology, pathomorphology, inflammatory dermatoses, neoplasms.</i>
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