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Therapeutic potential of traditional Chinese medicine for vascular endothelial growth factor

Key words: Vascular endothelial growth factor (VEGF); VEGF receptors; Traditional Chinese Medicine

Research Summary

Vascular endothelial growth factor (VEGF) is the main regulator of physiological angiogenesis. Traditional Chinese Medcine(TCM), with a history of more than 2000 years, has been widely used in clinical practice, while the exploration of its mechanisms has only begun. It is found that many Chinese medicines and recipes have a regulatory effect on VEGF, indicating that Chinese medicine has broad prospects as a complementary and alternative therapy, providing new treatment ideas for clinical applications and the theoretical basis for research on the mechanisms of TCM.

This review intends to summarize the past five years of research on the influence of traditional Chinese medicine (TCM) that is relevant to the expression of VEGF proteins and receptors, and is based on disease classification.

A series of comprehensive tables were generated to summarize this review.

Table 1 | Components of TCM recipes discussed in this review

Table 2 | Mechanisms of action of TCM in nervous system diseases

Table 3 | Mechanisms of action of TCM in circulatory system diseases

Table 4 | Mechanisms of action of TCM in digestive system diseases

Table 5 | Mechanisms of action of TCM in respiratory diseases

Table 6 | Mechanisms of action of TCM in gynecological diseases

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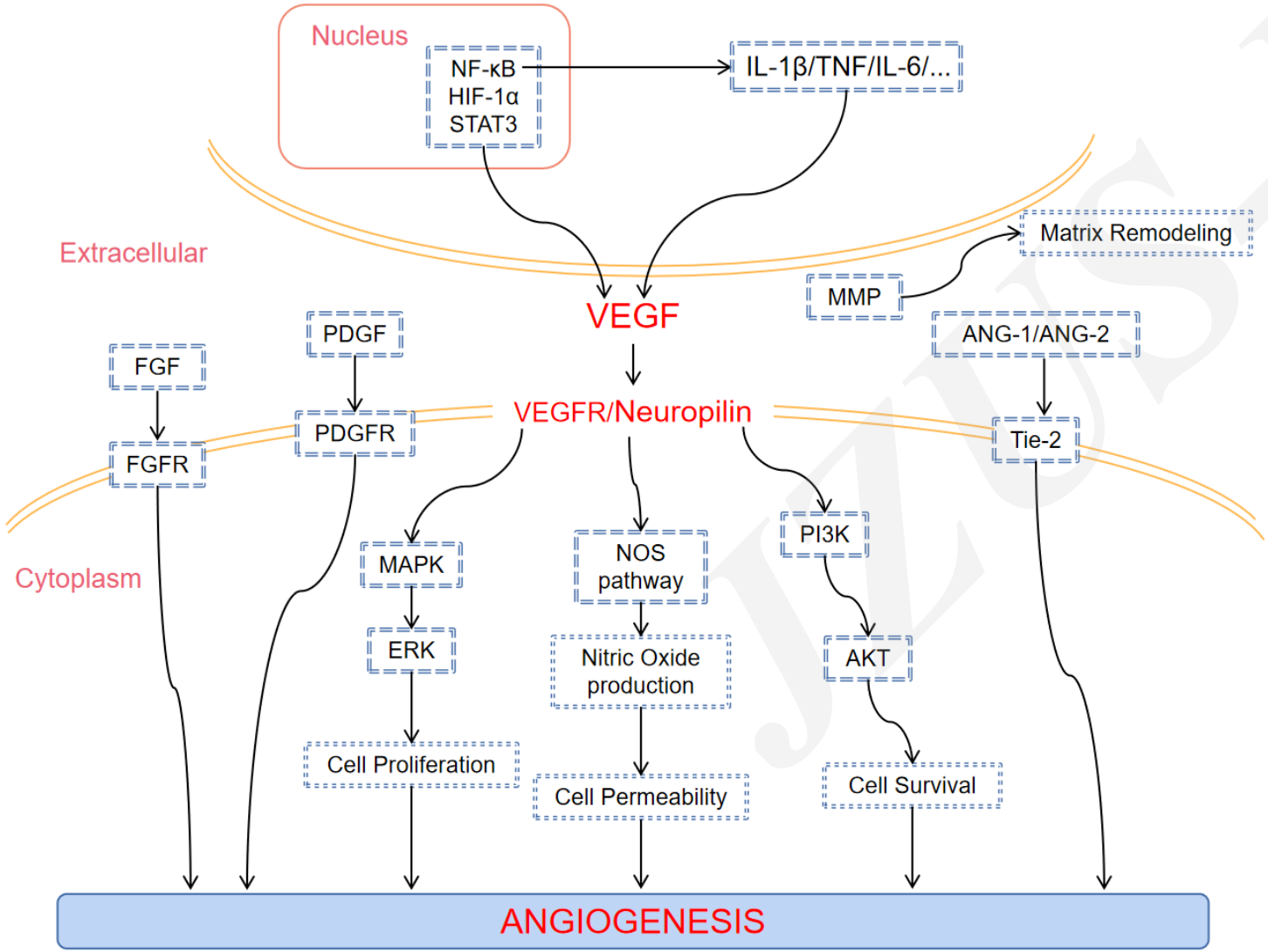

TCM treatments have multi-targeting nature, prompting further studies to explore the mechanisms of TCM in many areas.