

## 类风湿性关节炎滑膜血管新生与中医药

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**中文摘要:**检索PubMed和中国知网全文数据库,对1988年至2011年发表的200余篇相关文献进行筛选和分析,从类风湿性关节炎(RA)血管新生与滑膜炎的关系、滑膜血管新生的调控和研究模型以及中医药对其干预的实验研究进展等方面归纳总结。RA滑膜血管新生是一个由促血管生成和抑血管生成介质调控的复杂过程,机制尚不清楚,但血管新生由滑膜炎所介导,二者相互交织、协同作用是重要原因;RA研究学者常将血管生成的体内外模型应用于滑膜血管新生的发生机制及药物的干预影响方面的研究,近年有学者将RA滑膜移植入整体动物体内以建立可供动态观察滑膜血管新生过程的模型,如非侵蚀性的RA滑膜血管皮瓣窗和SCID-Hu RA嵌合体模型等;中医将RA归属于"痹证"和"络病"范畴,有学者认为RA络病的实质是滑膜血管增生,实验研究也显示祛风胜湿、活血化瘀、虫类搜风等"通络开痹"功效的中药和复方有较好的抗RA和滑膜血管新生作用。滑膜血管新生在RA发生、发展的病理过程中处于核心位置,但目前尚没有理想的治疗策略。中医药在干预RA滑膜血管新生方面有一定的特色并显示良好的作用趋势。

**中文关键词:**[类风湿性关节炎](#) [滑膜血管新生](#) [中医药](#)

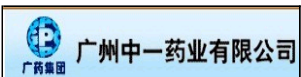
## Synovial Angiogenesis in Rheumatoid Arthritis and Intervention of Traditional Chinese Medicine

**Abstract:**The articles of synovial angiogenesis published from 1988 to 2011 were retrieved from PubMed and CNKI databases to summarize the relationship between angiogenesis and synovitis, the regulation, models and experimental treatment of traditional Chinese medicine(TCM) of synovial angiogenesis in rheumatoid arthritis(RA). Synovial angiogenesis is a complex process regulated simultaneously by positive and negative factors and is associated with inflammation of RA. Synovial angiogenesis may be studied using *in vitro* or *in vivo* models of angiogenesis. Besides, collagen-induced arthritis, adjuvant-induced arthritis, synovial angiogenesis window chamber model and SCID mouse co-implantation model of RA and so on are also used. RA belongs to 'arthralgia syndrome' and 'collateral disease' in Chinese medical sciences (CMS). Synovial angiogenesis is 'collateral disease' in CMS. TCM with the effect of expelling wind and eliminating dampness or activating blood and resolving stasis has the inhibitory activity for synovial angiogenesis. Angiogenesis plays a central role in the pathological processes of the beginning and ongoing of the chronic synovial inflammation in of RA. Unfortunately, at present time, there is no admitted remedy strategy for this pathological process. TCM is potential for treatment of RA. The above mentional publications provide helpful references for RA treatment and basic research.

**keywords:**[rheumatoid arthritis](#) [synovial angiogenesis](#) [traditional Chinese medicine](#)

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