

盛加根, 曾炳芳, 姜佩珠, 范存义. 鸡趾屈肌腱鞘内损伤修复后的愈合和bFGF的表达[J]. 中国康复医学杂志, 2007, (4): 310-312

鸡趾屈肌腱鞘内损伤修复后的愈合和bFGF的表达 [点此下载全文](#)

[盛加根](#) [曾炳芳](#) [姜佩珠](#) [范存义](#)

上海交通大学附属第六人民医院骨科, 上海200233

基金项目: 上海市创伤骨科临床医学中心基金项目 (ZX01A07)

DOI:

摘要点击次数: 104

全文下载次数: 112

摘要:

目的: 了解鸡趾屈肌腱鞘内损伤修复后碱性成纤维细胞生长因子 (bFGF) 的表达及其与肌腱愈合的关系。方法: 将36只来亨鸡的右足第3趾趾屈长肌腱切断后缝合并重新覆以腱鞘, 术后不同时间点切取标本 (每个时间点6只), 另取6只未行手术处理鸡的肌腱标本作为对照。将标本行组织学检查, 并用RT-PCR和免疫组化方法测定肌腱bFGF的表达。结果: 肌腱修复后断端先出现炎细胞浸润。接着成纤维细胞聚集并分泌胶原, 最后胶原纤维重新塑形。这些细胞活动在腱实质比腱鞘、腱外膜出现迟且弱。bFGF在对照组肌腱仅出现低水平表达, 而在实验组肌腱各个时间点均明显上调; 腱鞘、腱外膜的表达明显高于腱实质。结论: bFGF参与了鸡趾屈肌腱损伤修复的愈合过程。

关键词: [肌腱](#) [损伤](#) [碱性成纤维细胞生长因子](#)

The tendon healing process and bFGF expression after iusheathed injury of chicken flexor digitorum tendon [Download Fulltext](#)

[SHENG Jiagen](#) [ZENG Bingfang](#) [JIANG Peizhu](#) [et al.](#)

Fund Project:

Abstract:

Objective: To investigate bFGF expression and the relationship with the tendon healing process after insheathed chicken flexor digitorum tendon injury. Method: The right 3rd flexor digitorum longus tendons of thirty six Leghorn chickens were transected, resutured, and covered with the sheath. Specimens were obtained postoperatively at various time points (n=6, at each time point). The control tendons were harvested without operation (n=6). Histological observation was carried out. BFGF expressions in tendon were detected by RT-PCR and immunohistochemical methods. Result: After tendon injury, inflammatory cells infiltrated at the suture line at the beginning, then fibroblasts congregated and secreted collagen, the collagen fibers were reshaped at last. These cell activities in parenchyma appeared later and were weaker than those in sheath and epitenon. BFGF expression was very low in tendons of control group, but high in those of experimental groups at different time points. The bFGF expressions in sheath and epitenon were higher than in parenchyma. Conclusion: BFGF plays a critical role in the healing process of chicken flexor digitorum tendon following injury.

Keywords: [tendon](#) [injury](#) [basic fibroblast growth factor](#)

[查看全文](#) [查看/发表评论](#) [下载PDF阅读器](#)

您是本站第 275441 位访问者

版权所有: 中国康复医学会

主管单位: 卫生部 主办单位: 中国康复医学会

地址: 北京市和平街北口中日友好医院 邮政编码: 100029 电话: 010-64218095 传真: 010-64218095

本系统由北京勤云科技发展有限公司设计