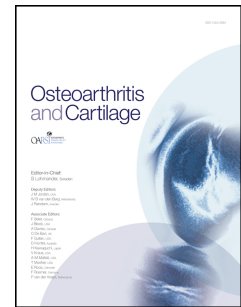


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Aging and age related stresses: a senescence mechanism of intervertebral disc degeneration

Feng Wang, Feng Cai, Rui Shi, Xiao-Hu Wang, Xiao-Tao Wu



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Title

Aging and age related stresses: a senescence mechanism of intervertebral disc degeneration

Running title

Senescence Mechanism of Intervertebral Disc Degeneration

Author names and affiliations

Feng Wang^{1, 2}, Feng Cai^{1, 2}, Rui Shi^{1, 2}, Xiao-Hu Wang^{1, 2}, Xiao-Tao Wu^{1, 2}

1 Department of Spine Surgery, Zhongda Hospital, School of Medicine, Southeast University, 87# Dingjiaqiao Road, 210009 Nanjing, China

2 Surgery Research Center, School of Medicine, Southeast University, 87# Dingjiaqiao Road, 210009 Nanjing, China

Contact information

Feng Wang

E-mail: wangfengspinespine@163.com

Feng Cai

E-mail: fzzs_1987@163.com

Rui Shi

E-mail: 277834792@qq.com

Xiao-Hu Wang

E-mail: nk_james@sina.com

Xiao-Tao Wu

E-mail: wuxiaotaospine@163.com

Corresponding author

Xiao-Tao Wu

Department of Spine Surgery, Zhongda Hospital, School of Medicine, Southeast University, 87# Dingjiaqiao Road, 210009 Nanjing, China

Fax: +86 25 83262331.

E-mail address: wuxiaotaospine@163.com

Abstract

Intervertebral disc (IVD) degeneration is a complicated process that involves both age-related change and tissue damage caused by multiple stresses. In a degenerative IVD, cellular senescence accumulates and is associated with reduced proliferation, compromised self-repair, increased inflammatory response, and enhanced catabolic metabolism. In this

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