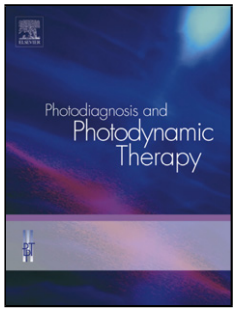

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PII: S1572-1000(16)30205-8
DOI: http://dx.doi.org/doi:10.1016/j.pdpdt.2017.03.003
Reference: PDPDT 919

To appear in: *Photodiagnosis and Photodynamic Therapy*

Received date: 14-10-2016
Revised date: 23-1-2017
Accepted date: 9-3-2017

Please cite this article as: Yin Guangwen, Sha Ke, Cai Bingjie, Li Fangfang, Li Xuyang, Xia Xianxian, Pan Xinxin.Effect of 5-aminolevulinic acid photodynamic therapy on keratinocyte proliferation and apoptosis in condyloma acuminatum.*Photodiagnosis and Photodynamic Therapy* http://dx.doi.org/10.1016/j.pdpdt.2017.03.003

Effect of 5-aminolevulinic acid photodynamic therapy on keratinocyte proliferation and apoptosis in condyloma acuminatum

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This study was funded by a project supported by the National Natural Science Foundation of China (Authorized Number: 81650026)

Highlights

- 5-Aminolevulinic acid photodynamic therapy of condyloma acuminatum was evaluated.
- Condyloma acuminatum tissue samples were taken before and after therapy.
- The effects of therapy on keratinocyte proliferation and apoptosis were evaluated.
- The therapy inhibited proliferation and induced apoptosis in keratinocytes.

Abstract

Background: The effect of 5-aminolevulinic acid photodynamic therapy on keratinocyte proliferation and apoptosis in condyloma acuminatum tissues was evaluated.

Methods: An immunohistochemical method and TdT-mediated dUTP nick end labeling were performed to detect the positive expression of the keratinocyte