

FSLYM192050 A Novel Drug In The Treatment Of Fibroid

Abstract ID : 2534

Submitted by : Ali Farid Ali the 2017-01-31 19:35:16

Category : SEUD CONGRESS 2

Typology : Poster

Status : Validated

Authorisation to disclose : Yes/Oui

Introduction

Fibroid is the most common benign tumor in women, many modalities of treatment rank from medical, radiological, immunological, and surgical. FSLYM192050 patent number 698/2014 a new substance prepared and invented in the laboratory by the first author, it has many biological function due to its peculiar pharmacokinetics and pharmacodynamics introduced it as oral treatment for fibroid.

Patient and Method:

10 patients were enrolled in the study having myoma (single subserous, interstitial and submucous, myoma volume, and uterine volume were recorded before treatment. FSLYM192050 was given orally by dose 45mg/kg for eight weeks, biopsy was taken from myoma cell and uterine muscle cells before and after treatment subjected to tissue culture the biopsy was subjected for cell proliferation assay, cytokine assay, western blot analysis, RNA extraction real time PCR, proapoptotic, Tunnel test cyclin D1 expression, microvessels density, TGFB, P53, VEGF, Micro RNA 125, connexin 26.

Results:

After 3 months of treatment statistically significant decrease in the uterine volume and myoma volume $P < 0.05$ and statistically significant increase in apoptosis ($P < 0.05$) statistically significant decrease of tissue cultural markers previously mentioned in the subject and method after treatment and in relation to normal myometrial cells.

Conclusion:

A new line a treatment of fibroid with no side effect and accepted cost / benefit ratio is born.

Keywords : Fibroid, ultrasound, FSLYM192050, proliferation cell assay, micro RNA 125 , Apoptosis

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References : , , ,

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