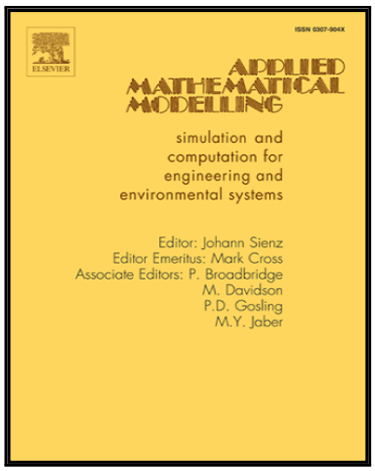
Accepted Manuscript



Modelling of Tumor Cells Regression in Response to Chemotherapeutic Treatment

Fatemeh Ansarizadeh, Manmohan Singh, David Richards

PII: S0307-904X(17)30194-4
DOI: 10.1016/j.apm.2017.03.045
Reference: APM 11686

To appear in: *Applied Mathematical Modelling*

Received date: 3 August 2016
Revised date: 17 February 2017
Accepted date: 21 March 2017

Please cite this article as: Fatemeh Ansarizadeh, Manmohan Singh, David Richards, Modelling of Tumor Cells Regression in Response to Chemotherapeutic Treatment, *Applied Mathematical Modelling* (2017), doi: 10.1016/j.apm.2017.03.045

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Highlights

- Invasive fronts and the core of tumor show different behavior in the same situations.
- Cancerous cells numbers during treatment is in agreement with Jeff's phenomenon.
- The response of the tumor for different immune system strength is studied.
- Regression in cancerous cells depends on the point of injection.
- Effect of different diffusion coefficients on tumor regression is studied.
- The variation in the number of different kind of cells

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/5470916

Download Persian Version:

https://daneshyari.com/article/5470916

Daneshyari.com