

Accepted Manuscript

Title: Circulating endothelial cells and microparticles as diagnostic and prognostic biomarkers in small-cell lung cancer

Authors: Fadi Najjar, Moosheer Alammar, Ghassan Al-Massarani, Nissreen Almalla, Abdulmunim Japawe, Adnan Ikhtiar



PII: S0169-5002(18)30481-1
DOI: <https://doi.org/10.1016/j.lungcan.2018.06.033>
Reference: LUNG 5720

To appear in: *Lung Cancer*

Received date: 22-1-2018
Revised date: 31-5-2018
Accepted date: 29-6-2018

Please cite this article as: Najjar F, Alammar M, Al-Massarani G, Almalla N, Japawe A, Ikhtiar A, Circulating endothelial cells and microparticles as diagnostic and prognostic biomarkers in small-cell lung cancer, *Lung Cancer* (2018), <https://doi.org/10.1016/j.lungcan.2018.06.033>

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.

Circulating endothelial cells and microparticles as diagnostic and prognostic biomarkers in small-cell lung cancer

Fadi Najjar^{a,*} (MD, PhD), Moosheer Alammar^b (MD, MSc), Ghassan Al-Massarani^a (PhD), Nissreen Almalla^a, Abdulmunim Japawe^c, Adnan Ikhtiar^c (PhD)

^a Biomarkers Laboratory, Radiation Medicine Department, Atomic Energy Commission of Syria (AECS), 17 Nissan Street, P.O. Box 6091, Damascus, Syria

^b Division of Thoracic Oncology, Oncology Department, Albairouni University Hospital, Hall 2 (A 30/3), Homs Harasta Road, Damascus, Syria

^c Radiobiology laboratory, Biotechnology Department, Atomic Energy Commission of Syria (AECS), 17 Nissan Street, P.O. Box 6091, Damascus, Syria

***Corresponding author:** F. Najjar, MD, PhD,

Biomarkers Laboratory, Department of Radiation Medicine, AECS, Damascus, P.O. Box 6091, Syria

E-mail: ascientific@aec.org.sy, Tel.: +963112132580, Fax: +963116112289

Highlights

- CECs and MPs are proposed as indicators for tumor progression and aggressive NSCLC.
- Baseline CEC and MP levels increased in SCLC patients compared with controls.
- Higher basal MP numbers were correlated with decreased values of ETV in SCLC.
- Basal CEC and MP levels predicted tumor response and long-term survival in SCLC.
- CECs and MPs may be determinants of disease for cancer management in the future.

Download English Version:

<https://daneshyari.com/en/article/8453568>

Download Persian Version:

<https://daneshyari.com/article/8453568>

[Daneshyari.com](https://daneshyari.com)