EARLY DIAGNOSES OF THE LIMITED NUMBER OF CIRCULATING TUMOR CELLS SIGNIFICANTLY INCREASES THE EARLY AND EFFECTIVE TREATMENT OF THE DISEASE

M. Chatziioannou¹, P. Apostolou², M. Toloudi³, R. Hammon², U. Jacob³, I. Papasotiriou ¹,4

¹R.G.C.C. Ltd. (Research Genetic Cancer Centre Ltd), Filotas – Florinas, Greece
² Alternative and Traditional Medical Centre, Texas, U.S.A.
³ Privatklinik Dr. Ursula Jacob GmbH, Dornstetten OT Hallawangen, Deutschland
⁴ Martin-Luther-Universität Halle-Wittenberg, Onkologie-Hämatologie Abteilung, Halle (Saale), Deutschland

Aim
The aim of this study was to show whether the early diagnoses of the limited circulating tumor cells can contribute to an effective treatment of the disease with the already established drugs used in chemotherapies.

Materials and methods
There were studied: 38 patients with breast cancer (men and women, stages I-IV), 21 men with prostate cancer (stages I-IV) and 11 patients with colon cancer (men and women, stages I-IV). The circulating tumor cells were detected with flow cytometry, with the use of specialised markers-antigens per cancer type.

Results
Breast cancer: 21% showed complete response, 18% stable disease or partial response and only 10% progress of disease.

Prostate cancer: 14% showed complete response, 19% stable disease or partial response and only 5% showed progress of disease.

Colon cancer: 9% showed complete response, 27% stable disease or partial response and 18% showed progress of disease.

Conclusion
It was observed that the early detection of circulating tumor cells as well as the treatment of the disease with chemotherapeutic agents at its early stage, has a significant contribution to the effective treatment of the disease.

References
doi:10.1074/jbc.272.19.12492. ISSN (0021-0021). PMID 9139698
- http://clinicalcancerres.aacrjournals.org/cgi/content/abstract/3/1/61